



#### BEGA AR+

Our new augmented reality app makes it even easier for you to visualise luminaires in your private environment.

The app allows you to view BEGA luminaires in your own private setting. You can place different luminaires in a virtual scenario in or around the house and garden. View the luminaires from all angles, switch the light on and off, and take photos of the scenes.



Download BEGA AR+ and get started.



BEGA AR+ is just one of many options for working professionally with BEGA products.
For more information about other BEGA apps and lighting topics, go to www.bega.de/en/knowledge



Light for the house and the garden 2018

"Light for the house and the garden" is a selection of luminaires from our complete range, which are particularly suitable for the illumination of private environments. They provide stylish, carefully coordinated and high-quality lighting for linking outdoor spaces with indoor areas.

In addition you can find our complete offering of luminaires together with full technical details of the luminaires in this brochure on the Internet at www.bega.com.

Our products are sold through specialised electrical dealers, specialised luminaire dealers and the electrical trade.

All goods, services and quotes supplied and/or submitted by BEGA to companies are solely subject to our terms of delivery, which can be accessed at www.bega.de/terms-of-delivery.

#### About us and our luminaires

For more than 70 years now, BEGA has been developing and producing high-quality luminaires for almost all areas of architecture. These years have given rise to products whose ideas and trademarks have become generic terms for countless luminaires in the entire industry.

For example, we have had the Light Brick – Lichtbaustein<sup>®</sup> trademark for over 50 years. For more than 40 years, we have been working intensively on illumination from ground level.

We had a formative influence on many of the current standards according to which the quality of this group of luminaires is judged. We know the extreme conditions which particularly outdoor luminaires have to face up to. They are exposed to dirt, atmospheric influences and extreme temperature fluctuations. They have to stand up to enormous stress more than other luminaires.

BEGA has been developing and producing indoor luminaires for more than 40 years. Throughout this time our development and design work has been driven by our fascination for glass with its countless facets. Being able to fall back on our own glass production when new ideas for outdoor and indoor luminaires are being implemented has always been a major advantage for us. For example, we can design our luminaire glass according to our own quality standards and lighting requirements.

For the production of our outdoor and indoor luminaires, we created the best conditions ourselves. They were not the consequence of any set of rules, but the result of our learning process and a fixed component of our idea of quality. Our daily work is determined by our high standards in lighting technology, workmanship and usability as well as in the aesthetic quality of our luminaires. The luminaires in this brochure were produced to meet exactly these standards. They were designed, configured and developed for your house and for your garden. BEGA products are not run-of-the-mill, short-lived items but distinctive objects for the stylish illumination of your private areas.

Our common goal is to create durable assets which will remain timeless in terms of design, even after decades.

Our luminaires are intended to fit in harmoniously as good construction details and as part of the architecture, and perform their tasks for many years. Their light should underline the architecture, set the scene atmospherically or convincingly, or simply maintain its plastic appearance at night.



# Light for the house and the garden

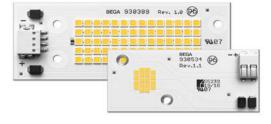
Many possibilities for the private illumination of houses and gardens are often left unused. Carefully coordinated lighting can lend a house an inviting and homely feel. Driveways, entrances, terraces and gardens often provide a host of starting points for improving the quality of lighting around private houses. Good light and good illumination ensure not only a pleasant lighting atmosphere and a higher quality of experience, but also greater safety in the house and garden.

Many people are unaware of the fascinating effect that an illuminated garden can have. Perfectly illuminated outdoor spaces add a wonderful natural dimension to our living quarters.

"Light for the house and the garden" presents a selection of luminaires from our complete range which are particularly suitable for the illumination of private environments.

It provides a diversity of design options for coordinating indoor lighting with outdoor illumination and for experiencing light in previously unknown facets.





## Things to know about our technology

For us, a good luminaire is a successful mix of technology, functionality and design. As a responsible and forward-looking manufacturer, we take an active interest in every aspect of lighting technology.

LED technology has redefined acquired standards and assessment criteria and created undreamt-of possibilities for designing with light. The sum total of its advantages makes this technology a milestone in lighting technology. We use the superiority of LED in the development of new luminaires, but also in the technical perfection of existing luminaire series. In doing so, we go well beyond the applications normally expected on the market. We do this responsibly, competently and with a sense of proportion – but above all reliably. After all, reliability and a high standard of product quality are among our elementary values and convictions.

In the development of our luminaires, therefore, thermomanagement represents a great challenge. Efficiency and service life are already convincing and still improving. Module output and shape are variable and can be perfectly adapted to each luminaire. In addition to using high-grade components, we have also made design-related changes which contribute to favourable temperature conditions inside the luminaires. This results in a significant extension of LED service life. At the same time, electronic protective devices help to prevent the individual components from overheating.



Ageing-resistant polymer-free optical systems made of silicone or crystal glass

We have taken a decidedly conservative approach to temperature control in our luminaires – values remain far below the maximum temperatures for LED modules.

As a matter of conviction we use durable, non-wearing materials in our optical systems.

We do not use any plastic lenses to deflect light, as their ageing resistance is doubtful. Instead we prefer durable materials such as glass, silicone and aluminium.

#### Replacements for our LED modules

We have given long consideration to this important and central issue. For many companies, it remains unanswered or becomes lost among meaningless advertising claims. As a responsible manufacturer of high-quality and durable products, we have spent many years researching who accepts the responsibility for replacing the LED modules in a luminaire. Neither well-established module suppliers nor conventional lamp manufacturers with dubious delivery reliability have satisfied our understanding of responsibility.

That is why we have been producing our own LED modules for several years now. With the same quality as the luminaires which we have been manufacturing for more than 70 years.

We have created the technological capabilities for our own highperformance manufacturing of modules that is unparalleled. This means that we ourselves are responsible for the quality and replacement of LED modules in the same way as we reliably demonstrated in the past for other components.

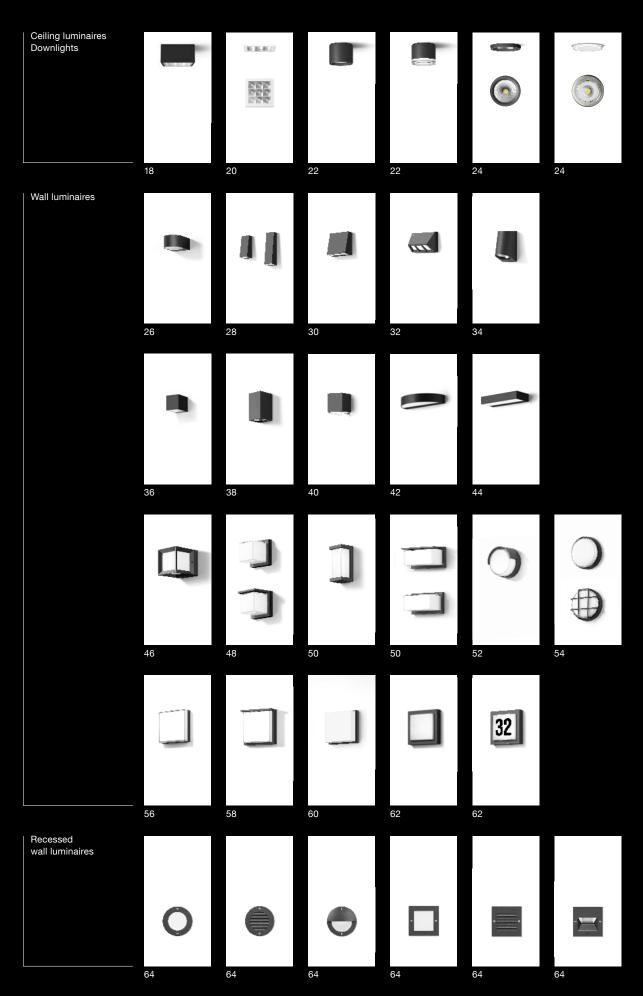
Today you will find a lamp designation in each of our LED luminaires, providing exact details of the installed modules. Thanks to the corresponding designation, we will be able to produce LED modules

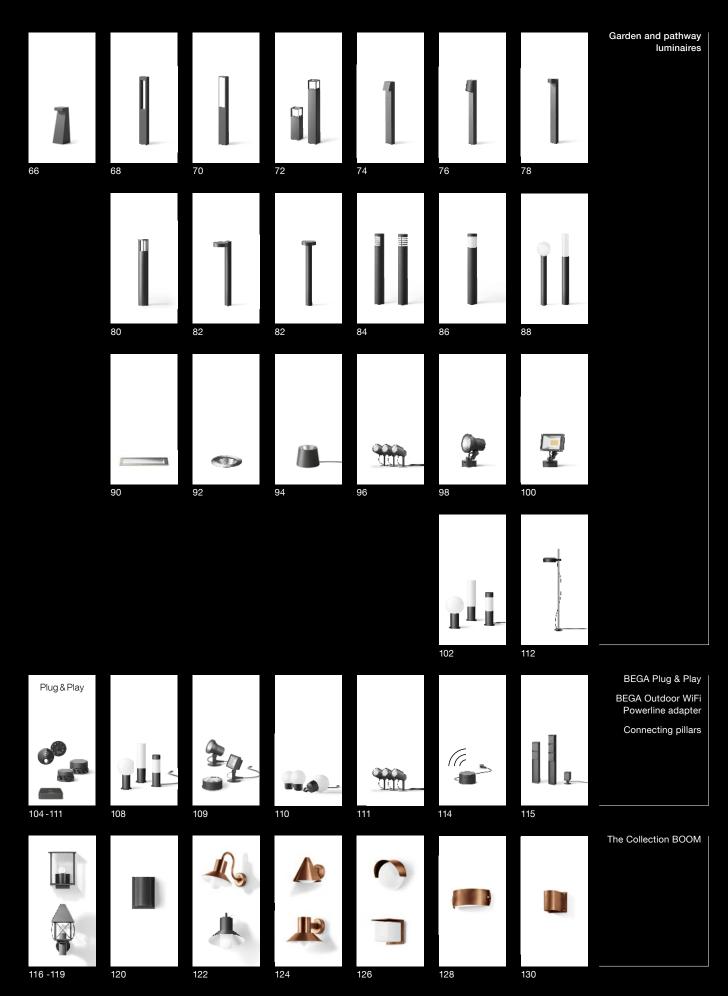
to match your BEGA luminaires even many years in the future. We guarantee the availability of replacement modules even 20 years after you purchase an LED luminaire from us.

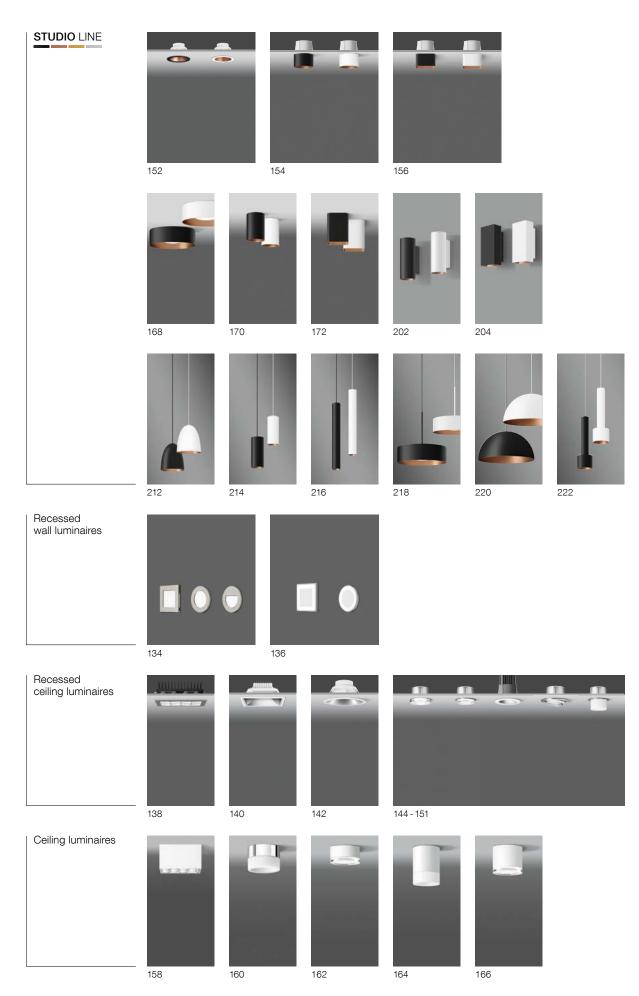
This responsibility for the durable assets we produce is something we are glad to accept. We thus make sure that a BEGA luminaire will not become useless because there are no replacements for the LED modules originally installed.

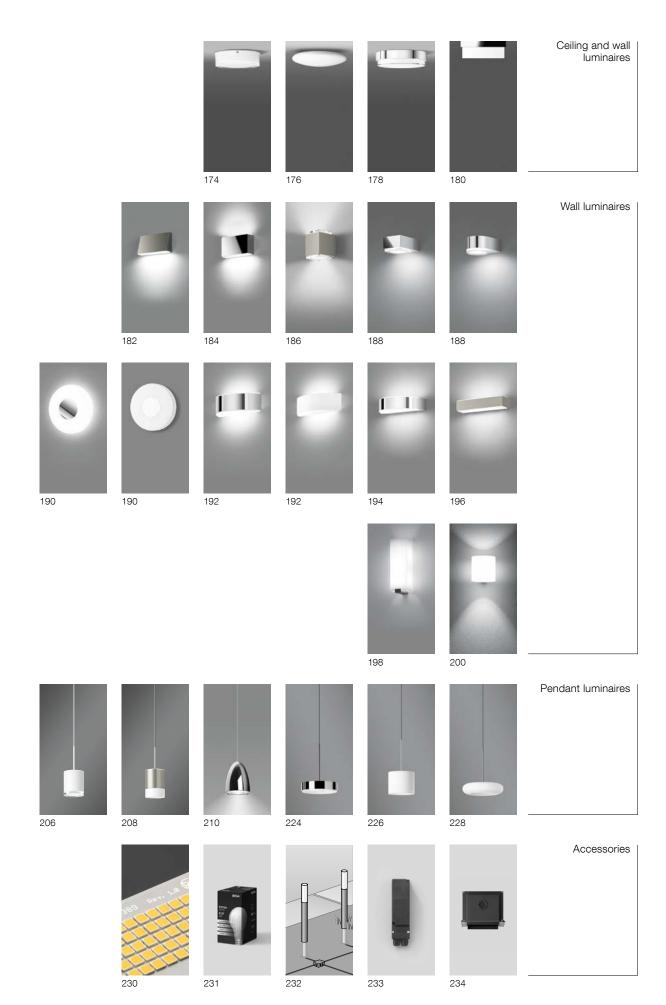
You can find detailed information about our LED technology on Page 230.













#### About light and luminaires

Selecting luminaires for the interior as well as for a garden requires timely and detailed planning. The interplay of light effects from various luminaires should ideally result in well illuminated situations and in pleasant mood lighting. The overview of light characteristics and different luminaire types provided on the following pages is intended to help you with your light and luminaire planning.

#### Types of light

For lighting design, we must distinguish between three basic types of light.



# Unshielded light

Unshielded light is emitted by a light source and spreads unhindered in all directions. For human beings, unshielded light has its most pleasant effect when it is distributed softly in the room. This is why luminaires are equipped with luminaire glass made of opal glass, white crystal glass or light-refracting covers made of synthetic material. Unshielded light is ideal as general illumination.



#### Directed light

This type of light is often used with luminaires which illuminate ground surfaces, even from a great height. Outdoors, this is the case, for example, with the illumination of areas requiring increased attention, such as stairs. Directed light can be effected from all positions – from the ceiling, the wall or from the ground. Directed light is frequently used in the field of functional illumination.



#### Shielded light

Depending on the intended purpose, it may be advisable to shield luminaires.

Particularly with wall luminaires, for example in house entrances or in corridors where one would like to use soft light, it is considered to be more pleasant when some of the light is shielded.

Shielded luminaires are characterised by their light graphics, which appear on the installation surface. They are suitable for placing light accents.

#### General information about illumination

Light has a positive influence on our biorhythm, productivity and ultimately our health. It therefore promotes well-being and improves our quality of life.

Coordinated lighting provides independence from natural light sources.

Poor light, on the other hand, prevents good vision – orientation with the help of the most important sensory organ, the eye, becomes difficult, if not impossible. Good illumination is vital in areas where there is not enough daylight.

In the 1950s, a basic classification of types of illumination was defined by the light planner Richard Kelly (1910-1977):

General illumination — "Ambient luminescence"

Functional illumination — "Focal glow"

Accent lighting — "Play of brilliants"



#### General illumination

General illumination defines the environment and clarifies room situations. The light is soft and uniform. There are no hard shadows or contrasts. Outdoors, this type of illumination can be found along paths. Indoors, general illumination represents the background light, to be able to grasp the dimensions of a room.



#### Functional illumination

Useful areas are illuminated with functional illumination. The light focuses on certain areas where increased attention is required by the user, for example on stairs.



#### Accent lighting

Lighting accents illuminate highlights and set the stage for objects and architecture. This lighting should be significantly brighter than the general illumination in order to attract the attention of the viewer. However, this only works when the lighting accents are only used sparingly in the room, for example with objects, architectural details or individual wall surfaces.

The three types of illumination cannot be treated independently of each other. It is the balanced interplay that makes good illumination.

But what is considered to be good light?

People feel comfortable and safe in a well-illuminated environment. The spatial dimension can be grasped easily. What is needed here is gradations of light and dark, whereby there must not be any dazzling brightness or light overspill, or complete darkness. Deliberately planned illumination allows the presence of dark areas, thus underlining its effect.



#### Types of luminaires

Different types of luminaires will be presented in the following. For all models, numerous sizes and outputs are available. With this variety, practically all lighting tasks in public and private architecture can be solved.



#### Recessed ceiling luminaires

Recessed ceiling luminaires are suitable for general illumination. The light distribution ranges from very wide beam to very narrow beam. With their downlight characteristics, they are also suitable for accentuating distinctive areas, for example entrances or for focusing on works of art. These luminaires are ideal for large, high rooms.

Recessed ceiling luminaires are structural details that will be a permanent fixture in the building for years to come. Careful planning is required for their installation as early as the construction phase. Defining the number and location of light points is just as important as ensuring that suitable installation housings are installed, for example. It is essential to use high-quality products with a guaranteed availability of replacement parts, since the subsequent

modification or even replacement of products is very costly.



#### Ceiling luminaires

Ceiling luminaires are suitable for areas in which the illumination of ground surfaces from the ceiling is desired. Ceiling luminaires are suitable for general illumination. The light distribution ranges from very wide beam to very narrow beam. With their downlight characteristics, ceiling luminaires are suitable for accentuating distinctive areas. These luminaires are ideal for large, high rooms. In conjunction with light and building control systems, ceiling luminaires – as well as recessed ceiling luminaires – can develop their full potential. However, the number and location of light points can also be defined after the construction phase. The work involved in installing ceiling luminaires is significantly less than for recessed ceiling luminaires.



#### Recessed wall luminaires

There are many options when it comes to wall lighting. Unshielded luminaires aid orientation, for example; the ambient brightness should be taken into consideration when planning the size and luminous intensity of these luminaires. Luminaires with directed light are used to illuminate pathways and ground surfaces.

Recessed wall luminaires provide structure and define the room. They provide safety in areas where increased attention is required.

Recessed wall luminaires are structural details that will be a permanent fixture in the building for years to come. Careful planning is required for their installation as early as the construction phase. The number and location of light points is just as important as ensuring that suitable installation housings are installed, for example.

It is essential to use high-quality products with a guaranteed availability of replacement parts, since subsequent modification or even replacement is very costly.



#### Wall luminaires

Wall luminaires can be found both indoors and outdoors. Their light can be unshielded, shielded or directed. They illuminate areas in front of buildings, pathways in and around buildings, entrance areas, corridors and staircases. Wall luminaires provide structure and accentuate wall surfaces. They can be arranged individually, in rows or as a group. This type of luminaire is ideal for use as emergency lighting. The work involved in installing wall luminaires is significantly less than for recessed luminaires.



#### Garden and pathway luminaires

Garden and pathway luminaires round off garden architecture. You can select from various light distributions to suit your purpose.

They provide orientation in walking zones and they accentuate flowerbeds and terraces. At night, they add the required structure to outdoor areas, and guide and direct people. They can be permanent or portable, depending on the required installation site.



#### Floodlights

Floodlights are available in numerous outputs and sizes. This type of luminaire is flexible in installation and is highly versatile. Floodlights are ideal for placing the focus on architecture and landscape elements. Subsequent installation is easy as a supplement to an existing lighting system.

On account of the many different mounting options, floodlights can be used on poles, on façades, on roofs or on the ground. These luminaires can also be integrated in a light and building management system.



### In-ground luminaires

In-ground luminaires can be used for many different applications. Many different light characteristics are possible with light from the ground – from location light to floodlights for accenting, illuminating and highlighting trees, shrubs or architectural features.



#### Pendant luminaires

The possible applications of pendant luminaires are extensive. For example, they are used for general illumination, often with unshielded light.

With very high ceilings in which the illumination of the ceiling areas does not play a role, pendant luminaires with downlight characteristics are used. Arranging smaller pendant luminaires in groups or rows gives structure to the room, creating clear zones. Here, the light is frequently directed downwards and used as functional illumination.

Pendant luminaires are design elements. Their form and nature frequently go far beyond pure functionality.



# LED ceiling luminaires · Compact downlights

Very compact and efficient LED ceiling luminaires with two light distributions.

The luminaires are optionally available with symmetrical wide beam or asymmetrical wide beam light distribution.

The luminaires are suitable for mounting on the ceilings of house entrances, covered terraces and seats, and in all areas in which the illumination of ground surfaces from the ceiling is desired.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.





#### LED ceiling luminaires $\cdot$ Compact downlights

Lighting technology: Luminaires with symmetrical wide beam or

asymmetrical wide beam light distribution
Colour temperature 3000 K, corresponds to warm white

Article number + K3

Protection class: IP 65

Material: Cast aluminium, aluminium and stainless steel

Safety glass  $\cdot$  Reflector surface made of pure aluminium

Colour: Graphite or white

Graphite – Article number
White – Article number + W





Ceiling-mounted downlights · symmetrical wide beam										
	LED		PSU	EEC	Α	В				
66 157		405 lm		A++	95×95					
66 158 66 159		820 lm 1670 lm		A++ A++	95×95 130×130					



Ceiling-mounted downlights · asymmetrical wide beam										
	LED		PSU	EEC	Α	В				
24 056	4.4 W	320 lm	On/off	A++	95×95	90				
24 057	11.0 W	585 lm	On/off	A++	95×95	90				
24 058	21.0 W	1490 lm	DALI	A++	130 x 130	100				



# LED recessed ceiling luminaires $\cdot$ Compact downlights for external power supply units

Very compact and efficient LED recessed ceiling luminaires with two light distributions. The luminaires are optionally available with symmetrical wide beam or asymmetrical wide beam light distribution.

The luminaires are suitable for mounting in the ceilings of house entrances, covered terraces and sitting areas, and in all areas in which the illumination of ground surfaces from the ceiling is desired.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.

White Silver





# LED recessed ceiling luminaires - Compact downlights for external power supply units

Lighting technology: Luminaires with symmetrical wide beam or

asymmetrical wide beam light distribution Colour temperature 3000 K, corresponds

to warm white Article number + **K3** 

Protection class: IP 6

Material: Cast aluminium, aluminium and stainless steel

Safety glass

Reflector surface made of pure aluminium

Colour: White or silver

White – Article number Silver – Article number + **A**  The luminaires and the external power supply units required for your lighting systems can be connected by means of a simple plug connector. In the table, you can find two versions of switchable and controllable power supply units. For technical data and explanations, see Page 233.

When making the recessed opening, it might be practical

to use an installation housing. For technical data, see Page 234.

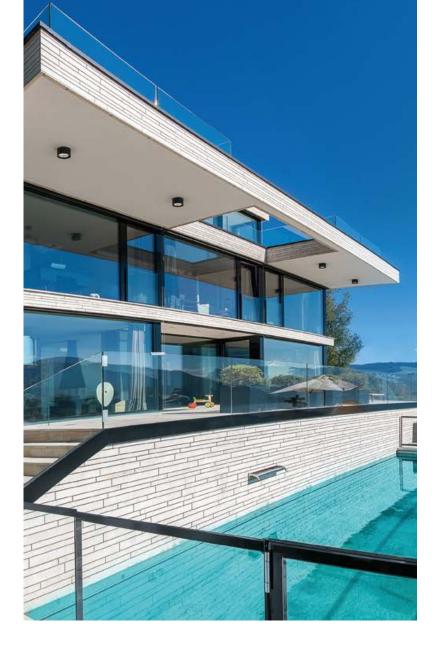




Compa	ct downlig	ghts · <b>sym</b>	metrica	l wide b	eam			Install. housing
	LED		EEC	А	В	External power	supply unit	
24 804	4.4 W	405 lm	A++	120	90	Included · no	n-dimmable	13 500
24 805	10.4 W	815 lm	A++	120	90	Included · no	n-dimmable	13 500
						1-10V	DALI	
24 806	21.5 W	1700 lm	A++	155	90	10 527	10 528	13 501



Compa	act downliq	ghts · <b>asyr</b>	nmetric	al wide	beam			Install. housing
	LED		EEC	Α	В	External power	supply unit	
24812	4.4 W	320 lm	A++	120	90	Included · no	n-dimmable	13 500
24813	10.4 W	710 lm	A++	120	90	Included · no	on-dimmable	13 500
						1-10 V	DALI	
24814	21.5 W	1570 lm	A++	155	90	10 527	10 528	13 501



### LED ceiling luminaires · Compact downlights

Compact LED ceiling luminaires  $\cdot$  downlights in two LED light outputs, optionally as classic downlights or as downlights with crystal cover glass.

On the luminaires  $66\,055\cdot66\,056\cdot66\,051$ , the partially frosted crystal glass creates an additional unshielded light fraction and supplements the downward-directed light with multi-faceted light graphics of noble charm. The luminaires are suitable for mounting on the ceilings of house entrances, covered terraces and sitting areas and of areas in which the illumination of ground surfaces from the ceiling is desired. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.









#### LED ceiling luminaires $\cdot$ Compact downlights

Lighting technology: Luminaires with wide beam light distribution

Colour temperature 3000 K, corresponds to warm white Article number + K3

Protection class:

Material: Cast aluminium, aluminium and stainless steel

Safety glass on the inside

or crystal glass, partially frosted
Reflector made of pure anodised aluminium

Colour: Graphite or white

Graphite – Article number White - Article number + W



Compact downlights · Safety glass on the inside										
	LED		PSU	EEC	Α	В				
66 975	4.5 W	325 lm	On/off	A++	95	90				
66 977	6.6 W	530 lm	On/off	A++	125	110				
66 982	11.8 W	950 lm	DALI	A++	150	130				



Compact downlights · Crystal glass, partially frosted										
	LED		PSU	EEC	А	В				
66 055	4.5 W	300 lm	On/off	A++	95	95				
66 056	6.6 W	545 lm	On/off	A++	125	115				
66 051	11.8 W	800 lm	DALI	A++	150	135				



# LED recessed ceiling luminaires $\cdot$ Compact downlights for external power supply units

Compact LED recessed ceiling luminaires · Downlights in three LED light outputs, optionally as classic downlights or as downlights with crystal cover glass. On the luminaires 55 941 · 55 942 · 55 943, the partially frosted crystal glass creates an additional unshielded light fraction and supplements the downward-directed light with multi-faceted light graphics of noble charm. The luminaires are suitable for mounting in the ceilings of house entrances, covered terraces and sitting areas, and of areas in which the illumination of ground surfaces from the ceiling is desired. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.

Graphite

White









#### LED recessed ceiling luminaires · Compact downlights

Lighting technology: Luminaires with wide beam light distribution

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Protection class: IP 65

Material: Cast aluminium, aluminium and stainless steel

Safety glass on the inside or crystal glass, partially frosted

Reflector made of pure anodised aluminium

Colour:  $55\,922\cdot55\,924\cdot55\,926$  optionally graphite or white

Graphite – Article number White – Article number + **W** 

The luminaires and the external power supply units required for your lighting systems can be connected by means of a simple plug connector. In the table, you can find two versions of switchable and controllable power supply units. For technical data and explanations, see Page 233.

When making the recessed opening, it might be practical to use an installation housing. For technical data, see Page 234.





LED co	mpact do	wnlights ·	Safety	glass o	n the i	nside		Install. housing	
	LED		EEC	А	В	External power	supply unit		
55 922	4.5 W	320 lm	A++	80	90	Included · nor	Included · non-dimmable		
						1-10 V	DALI		
55 924	11.0 W		A++	110	90	10 510	10 520	10 440	
55 926	15.5 W	1155 lm	A++	145	90	10 527	10 528	10 441	





LED co	mpact do	wnlights ·	Crysta	l glass,	partial	r frosted		Install. housing
	LED		EEC	Α	В	External power	r supply unit	
55 941	4.5 W	240 lm	A++	80	90	Included · ne	on-dimmable	10 407
						1-10 V	DALI	
55 942 55 943	11.0 W 15.5 W	630 lm 850 lm	A++ A++	115 155	90 90	10 510 10 527	10 520 10 528	10 440 10 441



### LED wall luminaires with directed light

Compact LED wall luminaires with directed light.

The luminaire glass is set flush in the luminaire housing and distributes the light onto the installation surface uniformly with wide beam light distribution.

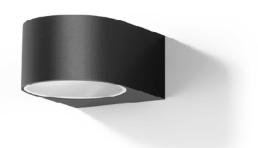
These luminaires can be mounted with the light emission directed optionally upwards or downwards. This way it is possible to accentuate wall surfaces or to emphasis structural details.

They open up numerous design options: in multiple configuration, as a group or in rows.

These are luminaires which will impress you through a minimum LED service life of 50000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.





The luminaires can be installed in any burning position.

Silver

Graphite

LED wall luminaires

Lighting technology: Luminaires with light emission on one side

Colour temperature 3000 K, corresponds to warm white Article number + K3

IP 65 Protection class:

Material: Cast aluminium, aluminium and stainless steel

Safety glass

Colour: Graphite or silver

Graphite – Article number Silver – Article number + A

□ ġ

	LED		PSU	EEC	Α	В	С	
33 223	4.4 W	345 lm	On/off	A++	100	60	130	
33 224	8.6 W	490 lm	On/off	A++	140	60	185	

27



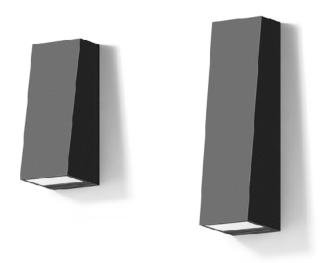
# LED wall luminaires with directed light

Linear LED wall luminaires in two light outputs and installation lengths. They are suitable for illuminating danger areas and also for striking light accents on pillars and the front surfaces of walls.

In multiple configuration on a wall, they impress by their atmospheric light graphics. The compact luminaire housing made of cast aluminium and the safety glass form a robust and long-lasting entity.

These are luminaires which will impress you through a minimum LED service life of 50000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.











# LED wall luminaires

Lighting technology: Luminaires with directed light

Colour temperature 3000 K, corresponds to warm white Article number + **K3** 

Protection class: IP 64

Material: Cast aluminium, aluminium and stainless steel

Safety glass

Colour: Graphite or silver

Graphite – Article number
Silver – Article number + A



	LED		PSU	EEC	Α	В	С	
33 513 33 514		160 lm 200 lm				140 200		





# LED wall luminaires with directed light

These luminaires are designed in two lengths and different light outputs. Given their small overhang, they are suitable for various installation heights. At a low mounting height, they accompany pathways around the house. At a high mounting height on walls, they are used alongside house entrances as well as to illuminate the wall surfaces.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux. Garden and pathway luminaires to match the wall luminaires on this page can be found on Page 74.













LED wall luminaires

Lighting technology: Luminaires with directed light

Colour temperature 3000 K, corresponds to warm white Article number + K3

Protection class: IP 64

Material: Cast aluminium, aluminium and stainless steel

Safety glass, frosted

Colour: Graphite or silver

Graphite – Article number Silver – Article number + **A** 



 LED
 PSU
 EEC
 A
 B
 C

 22 215
 3.4 W
 170 lm
 On/off
 A++
 90
 95
 60

 22 261
 5.8 W
 360 lm
 On/off
 A++
 175
 95
 60





# LED wall luminaires with directed light

Compact and robust LED wall luminaires with a small overhang for different installation heights and many different areas of application both indoors and out. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.













LED wall luminaires

Lighting technology: Luminaires with directed light

Colour temperature 3000 K, corresponds to warm white Article number + K3

Protection class:

Material: Cast aluminium, aluminium and stainless steel

Safety glass
Reflector made of pure anodised aluminium

Colour: Graphite or silver

Graphite – Article number Silver – Article number + **A** 



LED	PSU	EEC	Α	В	С	
 8.0 W 15.2 W	 	A++ A++	200 300	120 120		



# LED wall luminaires with directed light

Thanks to their small dimensions, these compact and robust wall luminaires blend unobtrusively in the architecture. Installed at a low height, the small luminaires can help to provide orientation e.g. on steps or along paths. At a greater mounting height, they can illuminate the installation surface and the ground. A reflector made of pure aluminium ensures an exactly defined light distribution. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux. You can find garden and pathway luminaires with the same design features on Page 76.







Graphite





LED wall luminaires

Lighting technology: Luminaires with directed light

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Protection class: IP 64

Material: Cast aluminium, aluminium and stainless steel

Safety glass

Reflector made of pure anodised aluminium

Colour: Graphite or silver

Graphite – Article number Silver – Article number + **A** 



· A · · ·

	LED		PSU	EEC	Α	В	С	
24 501	5.4 W	340 lm	On/off	A++	75	130	80	
24 502	17.0 W	1215 lm	DALI	A++	110	190	120	
24 503	24.8 W	2020 lm	DALI	A++	130	230	150	



# LED wall washers with light emission on one or two sides

Compact LED wall washers with shielded light source that emit their light optionally in one or two directions.

A reflector inside the housing directs the light of the LED glare-free onto the mounting surface.

Luminaires with light emission aperture on one side must be mounted with the light emission directed downwards.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.

Graphite White Silver





# LED wall washers

Lighting technology: Luminaires with light emission on  $\mathbf{one}$  or  $\mathbf{two}$  sides

Colour temperature 3000 K, corresponds to warm white Article number + **K3** 

Luminaires with light emission on one side must be mounted with the light emission directed

downwards.

IP 64 Protection class:

Cast aluminium, aluminium and stainless steel Material:

Safety glass

Reflector made of pure anodised aluminium

Colour: Graphite, white or silver

Graphite - Article number
White - Article number + W
Silver - Article number + A







Light e	mission <b>o</b> ı	n one sid	е					
	LED		PSU	EEC	А	В	С	
24 370	10.0 W	420 lm	On/off	A++	120	130	130	-

Light er	mission <b>or</b>	two side	es					
	LED		PSU	EEC	Α	В	С	
24 371	19.6 W	805 lm	On/off	A++	120	130	130	



Wall luminaires with light emission on one or two sides with LED or for halogen lamps

You can choose between two versions of this luminaire: with light emission on one side or on two sides. The luminaire housings have identical dimensions.

It is thus possible to combine luminaires with different light emissions. In the day-time, these luminaires with their linear form fade into the background and the building's charm is preserved. In the dark, they cover the architecture with impressive light graphics.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.





#### Wall luminaires

Lighting technology: Luminaires optionally with light emission on  ${\bf one}$  or  ${\bf two\ sides}.$ 

with LED or for halogen lamps

Luminaires with LED  $\cdot$  integral power supply unit Colour temperature 3000 K, corresponds to warm white

Article number + K3

The luminaires

 $33\,579\cdot33\,580\cdot33\,582\cdot33\,583\cdot24\,594\cdot24\,595$  are allowed to be installed only in the illustrated burning position.

Protection class: IP 64

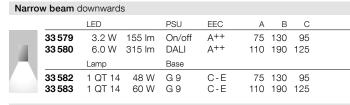
Material: Cast aluminium, aluminium and stainless steel

Safety glass  $\cdot$  Reflectors made of pure anodised aluminium

Colour: Graphite, white or silver

Graphite - Article number
White - Article number + W
Silver - Article number + A





Very	narrow be	am upwa	rds · <b>Na</b> ı	rrow bea	<b>m</b> downv	vards			
		LED		PSU	EEC	А	В	С	
-		5.5 W			A++	75	130	95	
	24 595	10.5 W	435 lm	DALI	A++	110	190	125	

Narro	w beam i	n both dire	ections						
		LED		PSU	EEC	Α	В	С	
	33 590 33 591	5.5 W 10.5 W	295 lm 600 lm	On/off DALI	A++ A++		130 190	95 125	
		Lamp		Base					
	33 593 33 596	1 QT 14 1 QT 14	48 W 60 W	G 9 G 9	C-E C-E		130 190	95 125	





# LED wall luminaires with light emission on one or two sides

These compact luminaires with integrated LED can illuminate and accentuate many situations around the house. Their brilliant crystal glass creates a pleasantly soft light. The glass is white on the inside, highlighting the complete thickness of the material.

Special light graphics and lustrous effects result from the transparent glass edges. Our glass makers call them "ice edges".

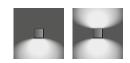
These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.



Luminaires with light emission on one side







Graphite

Silver

LED wall luminaires

Lighting technology: Luminaires with light emission on **one** or **two** sides

Colour temperature 3000 K, corresponds to warm white Article number + **K3** 

Luminaires with light emission on one side must be mounted with the light emission directed downwards.

Protection class: IP 64

Material: Cast aluminium, aluminium and stainless steel

Crystal glass, inside white

Colour: Graphite or silver

Graphite – Article number
Silver – Article number + A

	В	
• А •		•с•

Light e	mission <b>or</b>	n one sid	е					
	LED		PSU	EEC	Α	В	С	
33 405 33 449		205 lm 420 lm		A++ A++		110 140		

	В	
· A ·		· C ·

Light e	mission or	two side	es					
	LED		PSU	EEC	А	В	С	
33 505	7.8 W	235 lm	On/off	A++	90	120	110	
33 549	19.8 W	700 lm	On/off	A++	120	155	140	



## LED wall luminaires with light emission on two sides

White safety glass is set flush in half-rounded luminaire housings made of cast aluminium. As the result, soft light is emitted uniformly upwards and downwards. You can select between two luminaire lengths to suit the architectonic conditions. These luminaires are suitable in particular for house entrances and façades. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.



Lighting technology: Luminaires with light emission on two sides

Colour temperature 3000 K, corresponds to warm white Article number + **K3** 

Protection class: IP 64

Material: Cast aluminium, aluminium and stainless steel

Safety glass, white

Colour: Graphite, white or silver

Graphite – Article number
White – Article number + **W**Silver – Article number + **A** 



LED	PSU	EEC	Α	В	С	
 	 On/off On/off		200 300		. — -	



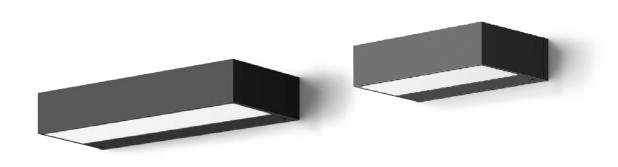


# LED wall luminaires with light emission on one or two sides

Wall luminaires of linear design with light emission on one or two sides. The precisely cast aluminium housings hold white safety glass which ends flush with the housing. This glass produces a soft and uniform light. Thanks to their clear-cut and linear design, these luminaires are suited in particular for multiple configuration in a row.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.



Lighting technology: Luminaires with light emission on  ${\bf one}$  or  ${\bf two}$  sides

Colour temperature 3000 K, corresponds to warm white Article number + **K3** 

Luminaires with light emission on one side must be mounted with the light emission directed

downwards.

Protection class: IP 6

Material: Cast aluminium, aluminium and stainless steel

Safety glass, white

Colour: Graphite, white or silver

Graphite – Article number
White – Article number + **W**Silver – Article number + **A** 





Light e	mission (	on one si	ide					
	LED		PSU	EEC	Α	В	С	
		185 lm		A++	200		. — -	
33 329	7.6 W	365 lm	On/off	A++	300	55	120	



Light e	mission (	on two si	des					
	LED		PSU	EEC	Α	В	С	
33 340	5.4 W	245 lm	On/off	A++	200	55	120	
33 3/11	7 6 W	515 lm	On/off	$\Delta ++$	300	55	120	



Impact-resistant ceiling, wall and pillar luminaires with LED or for fluorescent lamps and for lamps with screw base E 27

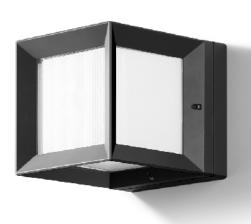
A sturdy encompassing cast aluminium frame forms a unique design feature for this luminaire series.

The frame protects the corners and edges of the thick-walled crystal glass. Nevertheless, the light from the luminaires is unshielded.

These quite robust luminaires can be used as ceiling, wall and pillar luminaires. You will find suitable BEGA LED lamps with screw base E 27 on Page 231. The LED luminaires on this page will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux. Garden and pathway luminaires to match the wall luminaires on this page can be found on Page 72.





#### Ceiling, wall and pillar luminaires

Lighting technology: Luminaires with unshielded light

with LED or for fluorescent lamps and for lamps with screw base E 27

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Protection class: IP 65

Cast aluminium, aluminium and stainless steel Material:

Crystal glass, inside white

Colour: Graphite or silver

Graphite – Article number Silver - Article number + A



	LED		PSU	EEC	Α	В	С	
22 423	4.5 W	240 lm	On/off	A++	120	120	160	
22 453	5.3 W	370 lm	On/off	A++	160	160	205	
	Lamp		Base					
22 643		LI 18 W	Base GX 24 q-2	A-B	160	160	205	

Silver



Impact-resistant ceiling, wall and pillar luminaires with LED or for fluorescent lamps and for lamps with screw base E 27

The robust luminaire glass makes this group of luminaires particularly striking. Transparent edges result from the thickness of the glass material. Our glass makers call them "ice edges".

They lend the luminaire glass a special lustrous effect and underline the high value of the luminaires. The glass is held by housings made of cast aluminium. The light is optionally unshielded or shielded on one side.

You will find suitable BEGA LED lamps with screw base E 27 on Page 231.

The LED luminaires on this page will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.





## Ceiling, wall and pillar luminaires

Lighting technology: Luminaires with unshielded light or

with light shielded on one side with LED or for fluorescent lamps and for lamps with screw base E 27

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Protection class: IP 65

Material: Cast aluminium, aluminium and stainless steel

Crystal glass, inside white

Colour: Graphite or silver

Graphite – Article number Silver – Article number + **A** 



Unshiel	lded							
	LED		PSU	EEC	Α	В	С	
22 432 22 439	4.5 W 5.3 W	285 lm 480 lm	On/off On/off	A++ A++		120 160		
	Lamp		Base					
22 446	1 TC-TE	LI 18 W	GX 24 q-2	A-B	160	160	175	
22 444	1 lamp	60 W	E 27	A++-E	160	160	175	



Shielde	ed on one	side			
	LED		PSU	EEC	A B C
33 327 33 328	4.5 W 5.3 W		On/off On/off	A++ A++	120 120 145 160 160 180
	Lamp		Base		
33 338	1 TC-TE	LI 18 W	GX 24 q-2	A-B	160 160 180





# Impact-resistant luminaires with LED or for lamps with screw base E 27

This luminaire series is made of die-cast aluminium and characterised by a clear-cut, brick-like design. Three versions are available: shielded on two sides, unshielded or shielded on one side.

These luminaires form a design entity and can be combined with each other. This enables the selection of matching luminaires from one series, depending on the architectonic conditions. The robust luminaire glass makes this group of luminaires particularly striking. Its transparent edges – called "ice edges" by our glass makers – demonstrate the thickness of the material.

The bundled reflected light creates special lustrous effects which underline the high value of the luminaires. You will find suitable BEGA LED lamps with screw base E 27 on Page 231.

The LED luminaires on this page will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.







#### Wall luminaires

Lighting technology: Luminaires with unshielded or shielded light

with LED or for lamps with screw base E 27

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Protection class: IP 65

Material: Cast aluminium, aluminium and stainless steel

Crystal glass, inside white

Colour: Graphite or silver

Graphite – Article number Silver – Article number + A



Shielded on two sides · Fig. on Page 50										
	LED		PSU	EEC	Α	В	С			
33 442	3.3 W	195 lm	On/off	A++	110	220	90			
33 443	11.0 W	480 lm	On/off	A++	125	260	125			
33 444	19.5 W	940 lm	On/off	A <sup>+</sup>	140	300	135			
	Lamp		Base							
33 476	1 lamp	60 W	E 27	A++-E	125	260	125			



Unshie	elded							
	LED		PSU	EEC	Α	В	С	
33 470 33 371 33 373	3.3 W 11.0 W 19.5 W	220 lm 595 lm 1185 lm	On/off On/off On/off	A++ A++ A+		110 125 140		
	Lamp		Base					
33 471	1 lamp	60 W	E 27	A++-E	260	125	115	



Shielded on one side										
	LED		PSU	EEC	Α	В	С			
33 482 33 384	3.3 W 11.0 W	180 lm 470 lm	On/off	A++ A++	220 260	110 125	90 125			
33 385	19.5 W	820 lm	On/off	A+		140	. — -			
	Lamp		Base							
33 483	1 lamp	60 W	E 27	A++-E	260	125	125			

Graphite Silver



## Impact-resistant LED ceiling and wall luminaires

These robust, versatile luminaires are shielded on one side. A striking design feature of the luminaires is the thick-walled crystal glass. This glass is white on the inside. As the result, the impressive thickness of the material becomes visible at the edges of the glass.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.



#### LED ceiling and wall luminaires

Lighting technology: Luminaires with light shielded on one side

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Protection class:

Cast aluminium, aluminium and stainless steel Crystal glass, inside white Material:

Colour: Graphite or silver

Graphite - Article number Silver - Article number + A



Graphite

Silver



	LED		PSU	EEC	Α	В	
24 036	1.6 W	85 lm	On/off	A++	105	80	
33 507	4.3 W	240 lm	On/off	A++	160	100	
33 508	6.5 W	505 lm	On/off	A++	215	115	
33 509	12.6 W	920 lm	DALI	A++	265	120	



## Impact-resistant LED ceiling and wall luminaires

We have been producing impact-resistant ceiling and wall luminaires for more than 30 years. As distinctive and recognised designs, they have received many international awards.

The concept and the design have proved successful throughout three decades and more. They were characteristic of a whole series of luminaires in our range of products, and became models for outdoor luminaires in general. This new series continues and at the same time completes existing lines.

New proportions and technical perfection round off the clear-cut shapes to form modern lighting tools. They have a high protection class and extremely shallow projection, and are available in various sizes.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.







Graphite

Silver

## LED ceiling and wall luminaires

Lighting technology: Luminaires with unshielded light

Colour temperature 3000 K, corresponds to warm white Article number + K3

Protection class: IP 65

Material: Cast aluminium, aluminium and stainless steel

Crystal glass, inside white

Colour: Graphite or silver

Graphite or silver
Graphite – Article number
Silver – Article number + A



	LED		PSU	EEC	Α	В
24 037	1.6 W	100 lm	On/off	A++	105	55
33 534	4.3 W	320 lm	On/off	A++	160	65
33 535	6.5 W	575 lm	On/off	A++	215	70
33 523	12.6 W	1040 lm	DALI	A++	265	80





	LED		PSU	EEC	Α	В	
33 502	4.3 W	245 lm	On/off	A++	160	75	
33 503	6.5 W	415 lm	On/off	A++	215	80	
33 504	12.6 W	825 lm	DALI	A++	265	90	

55



Highly compact, powerful and efficient LED wall luminaires.

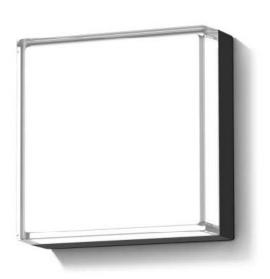
The high protection class and excellent workmanship make these luminaires durable and reliable lighting tools for indoors and out.

Thick-walled crystal glass with impressive "ice edges" is combined with a diecast aluminium housing to create a formal unity. The results are luminaires which feature a modern streamlined design and ideal proportions, by day and by night. But only our reliable and cost-effective LED technology makes luminaires with these compact dimensions possible. Cost-effective and aesthetic structural details for good light.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.





Lighting technology: Luminaires with unshielded light

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Protection class: IP 65

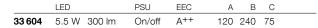
Material: Cast aluminium and stainless steel

Crystal glass, inside white

Colour: Graphite or silver

Graphite or silver
Graphite – Article number
Silver – Article number + A





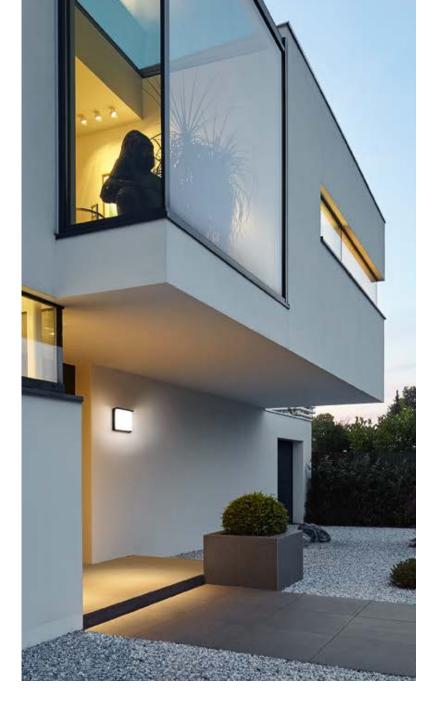


 LED
 PSU
 EEC
 A
 B
 C

 33 601
 7.5 W
 610 lm
 On/off
 A++
 170
 170
 70

 33 602
 13.5 W
 1170 lm
 DALI
 A++
 240
 240
 75





Two luminaires made of cast aluminium, which we have adapted perfectly to our LED technology. Luminaires with a small overhang and clear-cut lines.

Contemporary in design and cost-effective in operation, they represent durable and aesthetic structural details for good light.

They are shielded on one or two sides and are suitable for numerous lighting applications around the house. Luminaire 24 071 can be shielded on the left and right or on the top or bottom, depending on the direction of installation.

On request, the luminaires of this series are also available with weatherproof figures.

This allows house numbers to be read easily, even from great distances – by day and by night.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.











Lighting technology: Luminaires with shielded light

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Protection class: IP 65

Material: Cast aluminium and stainless steel

Crystal glass, inside white

Colour: Graphite or silve

Graphite or silver
Graphite – Article number
Silver – Article number + **A** 



Wall lur	ninaire · s	hielded <b>on</b>	one side	• · Fig. rig	ht			
	LED		PSU	EEC	Α	В	С	
24 070	13.7 W	1010 lm	On/off	A++	240	240	85	



Wall luminaire $\cdot$ shielded on two sides $\cdot$ Fig. left										
	LED		PSU	EEC	А	В	С			
24 071	13.7 W	1090 lm	On/off	A++	240	240	85			





Ceiling and wall luminaires · Light Brick – Lichtbaustein® with LED or for lamps with screw base E 27

BEGA light bricks have been brilliant structural details for decades. The luminaires of this series continue this timeless design.

Thanks to their precision housings made of cast aluminium, the luminaires are effectively accentuated by the hand-blown opal glass. The contrasting effect of the two materials determines the design, by day and by night. The different dimensions and light outputs of these luminaires, combined with their use as ceiling or wall luminaires, can facilitate a host of lighting applications, both indoors and out. You will find suitable BEGA LED lamps with screw base E 27 on Page 231.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.





Light Brick – Lichtbaustein  $^{\textcircled{\$}}\cdot \textbf{Square}$  Ceiling and wall luminaires

Lighting technology: Luminaires with unshielded light with LED or for lamps with screw base E 27 Colour temperature 3000 K, corresponds to warm white

Article number + K3

Protection class:

Material: Cast aluminium and stainless steel

Satin matt opal glass

Colour:

Graphite or silver
Graphite – Article number
Silver – Article number + A



	LED		PSU	EEC	А	В	
33 032 33 036	6.0 W 5.4 W	305 lm 490 lm		A++ A++	170×170 200×200	70 90	
	Lamp		Base				



# LED ceiling and wall luminaires

House number luminaires are used for marking and orientation purposes around the house. They illuminate the entrance area and simultaneously provide the convenience and certainty of quickly finding a particular address.

The digits of the number can be clearly seen from a distance.

This is assured by the crystal glass with white interior. In the day-time, it provides a high-contrast background for the labelling; in the night-time, it produces glare-free and uniform back-lighting for the house numbers.

In the table, you can find luminaires with motion detectors and house number luminaires with twilight switches.

They perform their duties reliably decade after decade.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will

find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.







LED ceiling and wall luminaires with integral motion detector or as a house number luminaire with twilight switch

Lighting technology: Luminaires with unshielded light

Colour temperature 3000 K, corresponds to warm white Article number + K3

IP 65 Protection class:

Material: Cast aluminium, aluminium and stainless steel

Crystal glass, inside white

33 787 with 1 to 2-digit figures · Height 75 mm 33 788 with 1 to 2-digit figures · Height 120 mm or 3-digit figures · Height 75 mm

Colour:

33 865 graphite 33 787 · 33 788 graphite or silver Graphite – Article number
Silver – Article number + A



LED ceiling and wall luminaire with motion sensor										
	LED		PSU	EEC	Α	В	С			
33 865	11.2 W	545 lm	On/off	A++	260	260	90			

LED house number luminaires with twilight switch									
	LED		PSU	EEC	Α	В	С		
33 787 33 788		70 lm 220 lm		A++ A++		210 260			



LED recessed wall luminaires 24 V DC Unshielded, shielded or directed light

Small recessed wall luminaires optionally in round or square design.

As guiding lights, the unshielded luminaires are ideal for orientation purposes. Shielded luminaires are suitable for similar applications, but with reduced ambient brightness. Luminaires with directed light mainly illuminate the traffic areas in front of the installation surface, thus providing for safety along pathways, even in the dark.

Recessed luminaires for corridors, pathways and staircases, and wherever dangerous areas have to be marked.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.





Graphite

Silver

Unshleide

Shielded

LED recessed wall luminaires 24 V DC

Lighting technology: Luminaires with unshielded, shielded

or directed light

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Protection class: IP 65

Material: Cast aluminium, aluminium and stainless steel

Safety glass

Colour: Graphite or silver

Graphite – Article number Silver – Article number + **A** 

A separate power supply unit  $\cdot$  24V DC is required to operate the luminaires. For technical data, see Page 233.

When making the recessed opening, it might be practical to use an installation housing. If luminaires are to be installed in brickwork or in concrete walls that will later be plastered, additional plaster frames should be used. For technical data, see Page 234.











Install. housing	Plaster frames	Recessed luminaires · shielded light							
				LED	Power supply unit	EEC	Α	В	
10 415 10 406	10 015 10 006				w/o* · 24 V DC w/o* · 24 V DC		80 80	-	





$\Theta$			
· A ·	• B •C•	· A ·	• в •

Install. housing	Plaster frames	Recessed luminaires · directed light								
				LED	Power supply unit	EEC	Α	В	С	
10 415	10 015	22 369	Round	2.7 W 85 lm	w/o* · 24 V DC	A++	80	80	20	
10 406	10 006	22 230	Square	2.7 W 95 lm	w/o* · 24 V DC	A++	80	80	_	









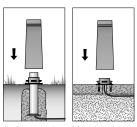
Shielded light

LED garden and pathway luminaires with shielded, directed light

LED garden and pathway luminaires for light from a low mounting height. Ideal luminaires for many situations on footpaths and terraces in private gardens and house entrances. It illuminates ground surfaces glare-free and uniformly from a low height. Be it as a single luminaire or in a row, e.g. along paths, they stand out by their clear-cut style and their visual comfort. Cost-effective and efficient LED technology makes them low-maintenance and modern luminaires for your garden architecture. You can order the luminaires optionally with an anchorage unit to set it in concrete in the soil, or with a mounting plate for installation on foundations or a paved surface. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the

luminous flux.



Anchorage unit Mounting plate A technical description of these installation types can be found on Page 232.

# LED garden and pathway luminaires

Lighting technology: Luminaires with shielded light, directed downwards

Colour temperature 3000 K, corresponds to warm white

Article number + **K3**77 276 · 77 277 recommended light point interval 4 m  $84\,108\cdot84\,176$  recommended light point interval  $6\,\text{m}$ 

1 line connector  $3 \times 2.5^{\square}$ Installation:

Protection class:

Material: Cast aluminium, aluminium and stainless steel · Safety glass

Anchorage unit made of hot-dip galvanised steel or mounting plate for mounting on foundations

Accessories: Distribution boxes 70 730 or 71 053 for installation in soil

For technical data, see Page 232.

Colour: Graphite or silver

Graphite - Article number Silver - Article number + A



	LED	EEC	Α	В	С		
77 276	With anchorage unit 8.4 W	210 lm	A++	70	250	90	
77 277	With mounting plate 8.4 W	210 lm	A++	70	250	90	
84 108	With anchorage unit 13.6 W	650 lm	A++	125 x 85	350	150 x 110	
84 176	With mounting plate 13.6 W	650 lm	A++	125×85	350	150 x 110	



Graphite

Silver





LED garden and pathway luminaires with light emission on two sides

Luminaires for the garden, the house entrance and for many situations along paths and terraces.

The luminaires produce impressive light graphics on the ground surface. The warm white light has an inviting effect. It structures and accentuates the garden.

You can order the luminaires optionally with an anchorage unit to set it in concrete in the soil, or with a screw-on base for installation on foundations or a paved surface.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.









Anchorage unit Screw-on base A technical description of these installation types can be found on Page 232.

Graphite

Silver

#### LED garden and pathway luminaires

Lighting technology: Luminaires with directed light

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Recommended light point interval  $4\,\mathrm{m}$ 

Installation: 1 line connector  $3 \times 2.5^{\Box}$ 

Protection class: IP 65

Material: Cast aluminium, aluminium and stainless steel · Safety glass

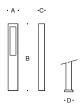
Anchorage unit or screw-on base made of hot-dip galvanised steel

Accessories: Distribution boxes 70 730 or 71 053 for installation in soil

For technical data, see Page 232.

Colour: Graphite or silver

Graphite – Article number Silver – Article number + **A** 



		LED		EEC	Α	В	С	D	
77 265	With anchorage unit	5.8 W	155 lm	A++	90	700	50	_	
77 266	With screw-on base	5.8 W	155 lm	A++	90	700	50	80	





LED garden and pathway luminaires with light emission on one side

These luminaires cover many lighting situations in the garden, at the house entrance, and along pathways and terraces. Soft and uniform light with high visual comfort is assured by the large light aperture made of safety glass, which is set flush in the rectangular luminaire body. Modern LED technology emits a warm white light colour in 3000 K.

You can order the luminaires optionally with an anchorage unit to set it in concrete in the soil, or with a screw-on base for installation on foundations or a paved surface.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.



Light emission on one side





Anchorage unit Screw-on base A technical description of these installation types can be found on Page 232.

Graphite

Silver

#### LED garden and pathway luminaires

Lighting technology: Luminaires with light emission on one side

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Recommended light point interval  $4.5\,\mathrm{m}$ 

Installation: 1 line connector  $3 \times 2.5^{\Box}$ 

Protection class: IP 65

Material: Cast aluminium, aluminium, stainless steel · Safety glass

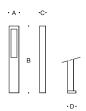
Anchorage unit or screw-on base made of hot-dip galvanised steel

Accessories: Distribution boxes 70 730 or 71 053 for installation in soil

For technical data, see Page 232.

Colour: Graphite or silver

Graphite – Article number Silver – Article number + **A** 



		LED		EEC	Α	В	С	D	
77 246	With anchorage unit	3.3 W	135 lm	A++	90	700	55	_	
77 247	With screw-on base	3.3 W	135 lm	A++	90	700	55	65	



LED garden and pathway luminaires with unshielded light

Bollards with unshielded light in two heights for a variety of different lighting situations.

The luminaires have a square layout.

A striking frame made of cast aluminium encompasses the thick-walled luminaire glass without impairing the light emission.

These robust luminaires enable you to define and structure zones.

You can order the luminaires optionally with an anchorage unit to set it in concrete in the soil, or with a screw-on base for installation on foundations or a paved surface.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.









Anchorage unit Screw-on base A technical description of these installation types can be found on Page 232.

Graphite Silver

#### LED garden and pathway luminaires

Lighting technology: Luminaires with unshielded light

Colour temperature 3000 K, corresponds to warm white

Article number + K3

 $84\,604\cdot84\,606\,$  recommended light point interval 4 m,  $84\,605\cdot84\,607\,$  recommended light point interval 5 m

Installation: 1 line connector  $3 \times 2.5^{\Box}$ 

Protection class: IP 65

Material: Cast aluminium, aluminium and stainless steel

Crystal glass, inside white

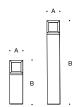
Anchorage unit or screw-on base made of hot-dip galvanised steel

Accessories: Distribution boxes 70 730 or 71 053 for installation in soil

For technical data, see Page 232.

Colour: Graphite or silver

Graphite – Article number
Silver – Article number + A



Garder	and pathway luminaires	· Height	400 mm				
		LED		EEC	А	В	
84 604 84 606	With anchorage unit With screw-on base		265 lm 265 lm		120 x 120 120 x 120		

Garden and pathway luminaires · Height 800 mm									
		LED		EEC	Α	В			
84 605	With anchorage unit	4.4 W	265 lm	A++	120 x 120	800			
84 607	With screw-on base	4.4 W	265 lm	A++	120 x 120	800			







LED garden and pathway luminaires with shielded, directed light

LED garden and pathway luminaires for light from a low mounting height.

Luminaires that offer glare-free and uniform illumination of the surfaces to be illuminated. Ideal luminaires for many situations on footpaths and terraces in private gardens and house entrances. Cost-effective and efficient LED technology makes them low-maintenance and modern luminaires for your garden architecture. The light colour of the LED corresponds to 3000 K warm white.

You can order the luminaires optionally with an anchorage unit to set it in concrete in the soil, or with a screw-on base for installation on foundations or a paved surface.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.

Wall luminaires to match these garden and pathway luminaires can be found on Page 30.



Shielded directed light





Anchorage unit Screw-on base A technical description of these installation types can be found on Page 232.

Graphite Silver

#### LED garden and pathway luminaires

Lighting technology: Luminaires with shielded light, directed downwards

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Recommended light point interval  $4.5\,\mathrm{m}$ 

Installation: 1 line connector  $3 \times 2.5^{\Box}$ 

Protection class: IP 64

Material: Cast aluminium, aluminium, stainless steel · Safety glass

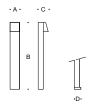
Anchorage unit or screw-on base made of hot-dip galvanised steel

Accessories: Distribution boxes 70 730 or 71 053 for installation in soil

For technical data, see Page 232.

Colour: Graphite or silver

Graphite – Article number Silver – Article number + **A** 



		LED		EEC	Α	В	С	D	
77 237	With anchorage unit	3.4 W	135 lm	A++	90	700	105	_	
77 238	With screw-on base	3.4 W	135 lm	A++	90	700	105	65	



# LED garden and pathway luminaires with shielded, directed light

These LED luminaires are used alongside paths, house entrances and terraces. Their warm white light is directed at the ground surface. A high level of visual comfort and safety is provided along the pathways and surfaces around the house and garden. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.

You can find wall luminaires with the same design features on Page 34.













Anchorage unit Screw-on base A technical description of these installation types can be found on Page 232.

Graphite

Silver

#### LED garden and pathway luminaires

Lighting technology: Luminaires with shielded light, directed downwards

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Recommended light point interval  $3.5\,\mathrm{m}$ 

Installation: 1 line connector  $3 \times 2.5^{\square}$ 

Protection class: IP 64

Material: Cast aluminium, aluminium and stainless steel · Safety glass

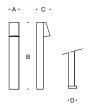
Anchorage unit or screw-on base made of hot-dip galvanised steel

Accessories: Distribution boxes 70 730 or 71 053 for installation in soil

For technical data, see Page 232.

Colour: Graphite or silver

Graphite – Article number Silver – Article number + **A** 



		LED		EEC	Α	В	С	D	
77 239	With anchorage unit	3.3 W	145 lm	A++	75	700	125	_	
77 249	With screw-on base	3.3 W	145 lm	A++	75	700	125	65	





# LED garden and pathway luminaires with shielded, directed light

Thanks to their shape, these LED luminaires blend harmoniously in the architecture. Their light is directed downwards onto the walking zone, providing a high level of visual comfort and safety along the pathways and surfaces around the house and garden. Their warm white light illuminates the ground surfaces without producing any glare. You can order the luminaires optionally with an anchorage unit to set it in concrete in the soil, or with a screw-on base for installation on foundations or a paved surface.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.





Shielded directed light





Anchorage unit Screw-on base A technical description of these installation types can be found on Page 232.

Graphite Silver

### LED garden and pathway luminaires

Lighting technology: Luminaires with shielded light, directed downwards

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Recommended light point interval 5 m

Installation: 1 line connector  $3 \times 2.5^{\square}$ 

Protection class: IP 65

Material: Cast aluminium, aluminium, stainless steel

Safety glass

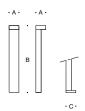
Anchorage unit or screw-on base made of hot-dip galvanised steel

Accessories: Distribution boxes 70 730 or 71 053 for installation in soil

For technical data, see Page 232.

Colour: Graphite or silver

Graphite – Article number Silver – Article number + **A** 



		LED	EEC	Α	В	С	
77 263	With anchorage unit	3.5 W 145 lm	n A++	110	700	_	
77 264	With screw-on base	3.5 W 145 lm	n A <sup>++</sup>	110	700	110	





LED garden and pathway luminaires with unshielded light

LED garden and pathway luminaires with unshielded light for a variety of different lighting situations around the house and garden. Luminaires that can mark the access routes to the house and illuminate the paths in the garden.

A safety guard made of cast aluminium protects the thick-walled luminaire glass without impairing the light emission. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. LED colour temperature: 3000 K

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life.





Anchorage unit Screw-on base A technical description of these installation types can be found on Page 232.

Graphite Silver

LED garden and pathway luminaires

Lighting technology: Luminaires with unshielded light

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Recommended light point interval  $5\,\mathrm{m}$ 

Installation: 1 line connector  $3 \times 2.5^{\Box}$ 

Protection class: IP 65

Material: Cast aluminium, aluminium and stainless steel

Crystal glass, inside white

Accessories: Distribution boxes 70 730 or 71 053 for installation in soil

For technical data, see Page 232.

Anchorage unit or screw-on base made of hot-dip

galvanised steel

Colour: Graphite or silver

Graphite – Article number Silver – Article number + **A** 



		LED	EEC	А В	
84 608	With anchorage unit	4.4 W 205 lm	A++	110 700	
84 609	With screw-on base	4.4 W 205 lm	A++	110 700	



# LED garden and pathway luminaires with shielded, directed light

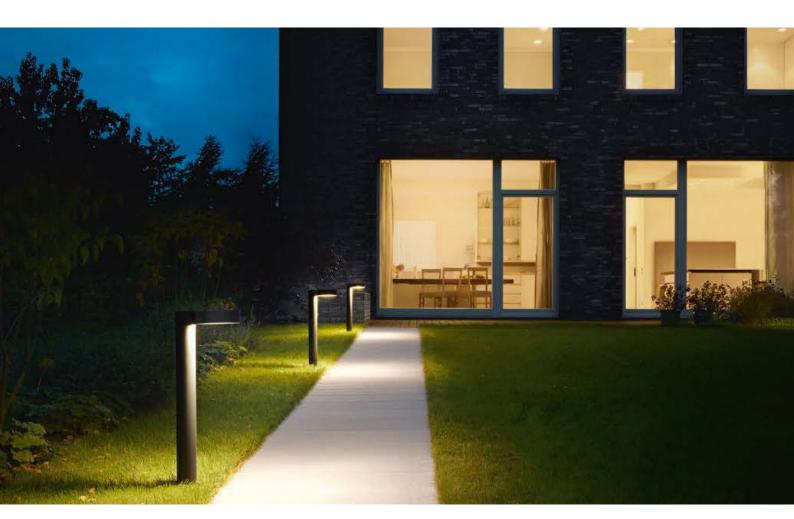


The light distribution of the LED luminaires is rotationally symmetrical with very wide beam. These luminaires are ideal in particular for accentuating areas of the garden.

Their warm white light is absolutely glare-free. You can order the luminaires optionally with an anchorage unit to set it in concrete in the soil, or with a screw-on base for installation on foundations or a paved surface.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.









Shielded rotationally symmetrical light





Anchorage unit Screw-on base
A technical description of these installation types can be found on Page 232.

### LED garden and pathway luminaires Lighting technology: Luminaires with

Lighting technology: Luminaires with shielded light, directed downwards

Colour temperature 3000 K, corresponds to warm white

Article number + K3

 $77\,218\cdot77\,219\,$  recommended light point interval  $5.0\,m$   $77\,233\cdot77\,234\,$  recommended light point interval  $4.5\,m$ 

Installation: 1 line connector  $3 \times 2.5^{\Box}$ 

Protection class: IP 65

Material: Cast aluminium, aluminium, stainless steel

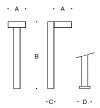
Synthetic cover with optical texture Anchorage unit or screw-on base made of hot-dip galvanised steel

Accessories: Distribution boxes 70 730 or 71 053 for installation in soil

For technical data, see Page 232.

Colour: Graphite or silver

Graphite – Article number Silver – Article number + **A** 

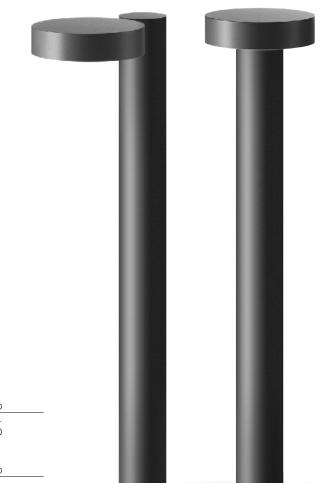




	LED	EEC	Α	В	С	D	
With anchorage unit With screw-on base		75 lm A++ 75 lm A++		700 700			



		LED	EEC	Α	В	С	D	
	With anchorage unit With screw-on base	5.6 W 130 lm			700 700			
11234	with screw-on base	5.6 W 130 III	I A	160	700	70	110	



Graphite

Silver

### Unshielded garden and pathway luminaires with LED or for lamps with screw base E14 and E27



The light of these garden and pathway luminaires with safety guard is unshielded. Optionally with light emission of 180° or 360°.

The hand-blown three-ply opal glass makes the light pleasantly soft and produces a high level of visual comfort. A safety guard protects the glass from mechanical damage.

These luminaires are available in two sizes. They can be selected to suit the size of the garden. In addition to the efficient LED version of these luminaires, they are also available with screw bases E14 and E27. You will find suitable BEGA LED lamps on Page 231.

The luminaires can be bolted with the supplied mounting plate to a foundation provided by the customer or to an anchorage unit made of hot-dip galvanised steel. The anchorage unit must be ordered separately as an accessory for the luminaire.

The LED luminaires of this series will impress you through a minimum LED service life of 50000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.











Anchorage unit Mounting plate

Graphite Silver

### Garden and pathway luminaires

Lighting technology: Luminaires with unshielded light  $\cdot$  Light emission 180° or 360°

with LED or for lamps with screw base E14 and E27 Colour temperature 3000 K, corresponds to warm white Article number + **K3**84 024 · 84 028 recommended light point interval 4.5 m.

84 024 · 84 028 recommended light point interval 4.5 m 84 025 · 84 029 recommended light point interval 6.0 m

Installation: Connection box with terminals  $3x4^{\square}$ 

Protection class: IP 6

Material: Cast aluminium, aluminium and stainless steel

Opal glass with thread

The luminaires on this double page are bolted with a supplied mounting plate to a foundation provided by the customer or to

an anchorage unit made of hot-dip galvanised steel.

The anchorage unit must be ordered separately as an accessory.

Colour: Graphite or silver

Graphite – Article number Silver – Article number + **A** 



Light e	mission 18	<b>80°</b> · with	safety	guard			
	LED			EEC	Α	В	Anch. unit
84 024 84 025	5.6 W 9.8 W	95 lm 180 lm		A++ A++	110 140	730 900	70 894 70 895
	Lamp		Base				
84 026 84 027	1 lamp 1 lamp	40 W 60 W	E 14 E 27	A++-E A++-E	110 140	730 900	70 894 70 895
Light e	mission 30	<b>60°</b> ∙ with	safety	guard			
Light e	mission <b>3</b> 0	<b>60°</b> ∙ with	safety	guard EEC	A	В	Anch. unit
Light e 84 028 84 029		60° · with 180 lm 350 lm	safety	-	A 110 140	B 730 900	Anch. unit 70 894 70 895
84 028	LED 5.6 W	180 lm	safety s	EEC A++	110	730	70 894







Unshielded garden and pathway luminaires with LED or for lamps with screw base E 27

The light of these garden and pathway luminaires is unshielded. Three-ply hand-blown opal glass makes the light pleasantly soft and produces a high level of visual comfort.

These luminaires are available in two sizes. They can be selected to suit the size of the garden. In addition to the efficient LED version of these luminaires, they are also available with screw bases E27. You will find suitable BEGA LED lamps on Page 231.

The luminaires can be bolted with the supplied mounting plate to a foundation provided by the customer or to an anchorage unit made of hot-dip galvanised steel. The anchorage unit must be ordered separately as an accessory for the luminaire. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.

Portable luminaires to match these garden and pathway luminaires can be found on Page 102.





Anchorage unit



Graphite

Silver

Unshielded light

Garden and pathway luminaires

Lighting technology: Luminaires with unshielded light  $\cdot$  Light emission 360°

with LED or for lamps with screw base E 27

Colour temperature 3000 K, corresponds to warm white

Article number + K3

 $77\,742\,$  recommended light point interval  $7\,m$   $77\,743\,$  recommended light point interval  $9\,m$ 

Installation: Connection box with terminals  $3x4^{\square}$ 

Protection class: IP 65

Material: Cast aluminium, aluminium and stainless steel

Opal glass with thread

The luminaires on this double page are bolted with a supplied mounting plate to a foundation provided by the customer or to

an anchorage unit made of hot-dip galvanised steel.

The anchorage unit must be ordered separately as an accessory.

Colour: Graphite or silver

Graphite – Article number Silver – Article number + A



	LED		PSU	EEC	Α	В	Anch. unit
77 742	5.6 W	440 lm		A++		730	70 894
77 743	9.8 W	730 lm	On/off	A++	140	900	70 895
	Lamp		Base				
77 746	Lamp 1 lamp	60 W		A++-E A++-F	110	730	70 894



#### LED garden and pathway luminaires with unshielded light

These unshielded luminaires create a pleasant light effect without glare along paths, on terraces and in flowerbeds.

The glass unit made of high-quality three-ply opal glass is optionally available as a cylinder or as a sphere. The luminaires develop a soft, warm white light in their surroundings. They create structure and accentuate the garden architecture.

You can order the luminaires optionally with an anchorage unit to set it in concrete in the soil, or with a screw-on base for installation on foundations or a paved surface.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux. Portable luminaires to match these garden and pathway luminaires can be found on Page 102.













Anchorage unit Screw-on base
A technical description of these installation types can be found on Page 232.

LED garden and pathway luminaires

Lighting technology: Luminaires with unshielded light

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Recommended light point interval  $6\,\mathrm{m}$ 

Installation: 1 line connector  $3 \times 2.5^{\Box}$ 

Protection class: IP 65

Material: Cast aluminium, aluminium and stainless steel

Hand-blown opal glass with thread

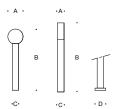
Anchorage unit or screw-on base made of hot-dip galvanised steel

Accessories: Distribution boxes 70 730 or 71 053 for installation in soil

For technical data, see Page 232.

Colour: Graphite or silver

Graphite – Article number Silver – Article number + **A** 

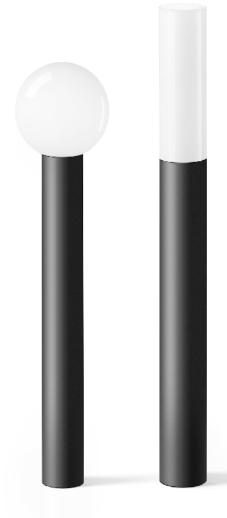


77 236 With screw-on base

Garden luminaires · Sphere										
		LED	EEC	Α	В	С	D			
77 223 77 224	With anchorage unit With screw-on base	6.0 W 43 6.0 W 43	5 lm A++ 5 lm A++	150 150	800 800	70 70	_ 110			
Garden	luminaires · Cylinder									
		LED	EEC	Α	В	С	D			
77 235	With anchorage unit	5.6 W 45	0 lm A++	70	900	70	_			

5.6 W 450 lm A<sup>++</sup>

70 900 70 110



Graphite

Silver



# LED in-ground luminaires resistant to foot traffic with symmetrical or asymmetrical light distribution

In-ground luminaires resistant to foot traffic, optionally available with symmetrical or asymmetrical light distribution.

The luminaire housing made of glass fibre reinforced synthetic material with cover frame made of stainless steel can be installed easily in the earth without any foundation.

These luminaires highlight and accentuate façades, wall surfaces and objects in gardens with  $3000\,\mathrm{K}$  warm white light.

These luminaires allow you to experience the beauty of the garden and its architectural details, even when it is dark.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.





LED in-ground luminaires resistant to foot traffic

Lighting technology: Luminaires with symmetrical or asymmetrical light,

directed upwards

Colour temperature 3000 K, corresponds to warm white Article number +  ${\bf K3}$ 

Protection class: IP 67

Material: Cover frame made of stainless steel and safety glass

lie flat in a single plane

Housing made of glass fibre reinforced synthetic material Reflector made of pure anodised aluminium

1.8 m connecting cable  $3 \times 1.5^{\square}$  with water stop Installation:

Distribution boxes 70 730 or 71 053 for installation in soil Accessories: For technical data, see Page 232.











In-grou	ınd lumin	aires · <b>syr</b>	mmetric	al			
	LED		EEC	Α	В	С	
84 111	5.7 W	340 lm	A++	80	160	60	
84 112	8.0 W	580 lm	A++	115	240	75	



In-grou	nd lumina	aires · <b>as</b> y	ymmetr	ical			
	LED		EEC	Α	В	С	
77 111	5.7 W	325 lm	A++	80	160	60	
77 112	8.0 W	420 lm	A++	115	240	75	





# LED in-ground luminaires resistant to foot traffic with symmetrical or asymmetrical light distribution

In-ground luminaires resistant to foot traffic, optionally available with symmetrical or asymmetrical light distribution. The luminaire housing made of glass fibre reinforced synthetic material with trim ring made of stainless steel can be installed easily in the earth without any foundation.

These luminaires highlight and accentuate small trees, shrubs and objects in gardens with 3000 K warm white light. The luminaires allow you to experience the beauty of the garden, even when it is dark.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.





LED in-ground luminaires resistant to foot traffic

Lighting technology: Luminaires with symmetrical or asymmetrical light,

directed upwards

Colour temperature 3000 K, corresponds to warm white Article number +  ${\bf K3}$ 

IP 67 Protection class:

Material: Trim ring made of stainless steel and safety glass

lie flat in a single plane
Housing made of glass fibre reinforced synthetic material

Reflector made of pure anodised aluminium

1.8 m connecting cable  $3 \times 1.5^{\square}$  with water stop Installation:

Distribution boxes 70 730 or 71 053 for installation in soil Accessories:

For technical data, see Page 232.





In-grou	nd lumin	aires · <b>sy</b>	mmetr	ical			
	LED		EEC	Α	В	С	
		320 lm		110			
77 011	6.6 W	615 lm	A++	155	95	170	



In-ground luminaires · asymmetrical						
	LED	EEC	Α	В	С	
	4.4 W 320 lm 6.6 W 680 lm		110 155			











Symmetrical

Portable LED on-ground floodlights with symmetrical or asymmetrical light distribution

The garden thrives on seasonal change, varying growth and different types of use. Portable BEGA on-ground floodlights provide an effective lighting atmosphere and can easily be moved to a different location if necessary - this allows a multitude of different light effects to be achieved. The luminaires on this page can be placed on lawn areas,

on soil and also on paths and terraces.

They are ready for connecting with a 5 m cable and mains plug. The cable length that is not required is rolled up simply and safely in the base of the luminaire.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.





A practical cable winder makes it possible to wind up the unused connecting cable in the base of the luminaire housing.

Portable LED on-ground floodlights

Lighting technology: Luminaires with symmetrical or asymmetrical light,

directed upwards

Ready for connection with 5 m cable and mains plug Colour temperature 3000 K, corresponds to warm white Article number + K3

IP 67 Protection class:

Material: Cast aluminium, aluminium, stainless steel

Safety glass flush-mounted

Reflector made of pure anodised aluminium

Connecting pillars with 2 or 3 safety sockets Accessories:

For technical data, see Page 115.

Colour: Graphite





On-ground floodlights · symmetrical						
	LED		EEC	Α	В	
77625	9.4 W	855 lm	A++	175	140	
77632	19.0 W	2030 lm	A++	205	150	





On-gro	und floodl	ight · <b>asyr</b>	nmetric	al		
	LED		EEC	Α	В	
84 136	19.4 W	1975 lm	A++	205	200	





# Portable LED floodlights consisting of 3 luminaires with earth spike

Three LED garden floodlights as a single unit ready for connection.

The floodlights are interconnected and need just one power connection. Each comes with an earth spike for easy positioning in the soil where they can jointly illuminate plants, small trees and objects in private gardens. Floodlight housing made of glass fibre reinforced synthetic material, adjustable without tools.

A stunning and cost-effective trio that can be quickly used to perform numerous lighting applications with perfect results. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.



Symmetrical light distribution

#### Portable LED garden floodlights

Lighting technology: 3 LED garden floodlights with symmetrical light distribution

With 5 m cable between the mains plug and the distribution box Cable length between distribution box and each floodlight 3 m Colour temperature 3000 K, corresponds to warm white

Article number + K3

Protection class: IP 65

Material: Housing and earth spike made of glass fibre reinforced

synthetic material

Safety glass · Reflector surface made of pure aluminium

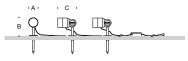
Installation: Floodlights with earth spike ready for connection

with 5 m cable and mains plug

Accessories: Connecting pillars with 2 or 3 safety sockets

For technical data, see Page 115.

Colour: Graphite



 LED
 PSU
 EEC
 A
 B
 C

 84 393
 3 floodlights with earth spike
 3 x 4.0 W
 955 lm
 On/off
 A++
 55
 110
 100







A practical cable winder makes it possible to wind up the connecting cable in the ring base.

# LED floodlights permanent or portable

Compact floodlights with symmetrically wide beam light distribution. Adjustment without tools allows objects, plants or façades of different heights to be illuminated. The luminaire housing made of glass fibre reinforced synthetic material is fitted with a cover made of safety glass. You can choose from three versions to suit the lighting application and location. With a mounting box for permanent installation on the wall or ceiling, but also on foundations provided by the customer.

With an earth spike or ring base for alternating purposes, depending on the circumstances. The luminaires can be used in varying locations and come with a connecting cable and mains plug.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.



Wide beam light distribution







Earth spike



### LED floodlights

optionally with mounting box, earth spike or ring base

Lighting technology: Luminaires with wide beam light distribution

Colour temperature 3000 K, corresponds to warm white

Article number + K3

IP 65 Protection class:

Material: Housing made of glass fibre reinforced synthetic material

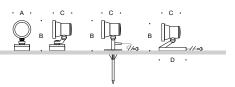
Safety glass · Reflector surface made of pure aluminium

Floodlights with mounting box, earth spike or ring base with 5 m cable and mains plug  $\,$ Installation:

Accessories: Connecting pillars with 2 or 3 safety sockets

For technical data, see Page 115.

Colour: Graphite



	L	_ED		EEC	Α	В	С	D	
84 366	With mounting box 6	3.5 W	440 lm	A++	105	190	110	_	
84 367	With earth spike 6	6.5 W	440 lm	A++	105	180	110	_	
84 368	With ring base 6	6.5 W	440 lm	A++	105	175	110	175	



#### LED surface floodlights · permanent or portable

LED surface floodlights with large-area, wide beam light distribution for the illumination of objects, walls and plants, and wherever large-area, wide beam light is needed.

The luminaire housing made of glass fibre reinforced synthetic material is fitted with a cover made of safety glass.

You can choose from two versions to suit the lighting application and location. With a mounting box for permanent installation on the wall or ceiling, but also on foundations provided by the customer. The floodlight with earth spike is a good choice when applications change. The luminaires can be used in varying locations and come with a connecting cable and mains plug.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.











Mounting box

x Earth spike

LED surface floodlights optionally with mounting box or earth spike

Lighting technology: Luminaires with large-area, wide beam light distribution

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Protection class: IP 65

Material: Housing made of glass fibre reinforced synthetic material

Safety glass · Reflector made of pure anodised aluminium

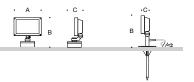
Installation: Floodlights with mounting box or earth spike

with 5 m cable and mains plug

Accessories: Connecting pillars with 2 or 3 safety sockets

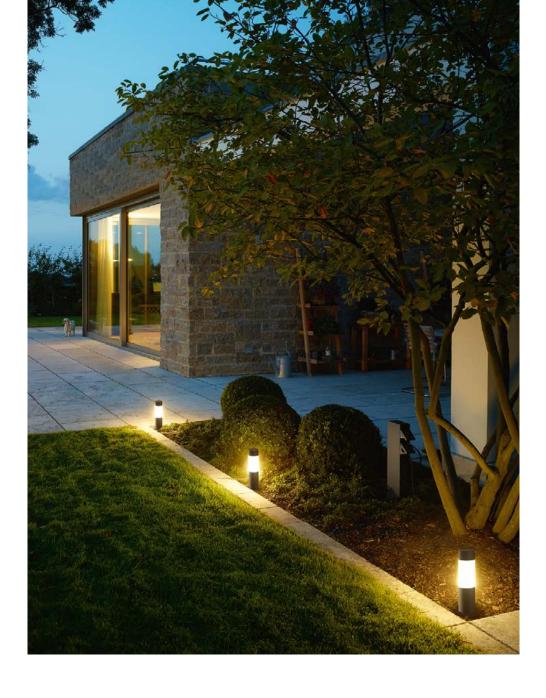
For technical data, see Page 115.

Colour: Graphite



		LED		PSU	EEC	Α	В	С	
84 360	With mounting box	12 W	905 lm	AC module	A++	165	190	100	
84 361	With earth spike	12 W	905 lm	AC module	A++	165	185	50	





#### Portable LED luminaires with unshielded light

A group of portable LED luminaires for the private garden. On paths, terraces and flowerbeds, these unshielded luminaires create a pleasant light effect. The glass unit made of high-quality three-ply opal glass is optionally available in three luminaire versions: The sphere or the cylinders available in two variants act as unshielded light distributors. Flexible and portable design elements for domestic gardens. A 5 m connecting cable with mains plug is included in the scope of delivery. You can find permanent luminaires with the same form language on Page 88.

Efficient and cost-effective LED provide high luminous efficiency, an extremely long service life and good uniformity of illuminance.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.



Portable luminaires are secured with an earth spike in the ground.



Portable LED garden luminaires with earth spike

Lighting technology: Luminaires with unshielded light

ready for connection with 5 m cable and mains plug Colour temperature 3000 K, corresponds to warm white

Article number + K3

Protection class:

Material: Housing and earth spike made of glass fibre reinforced

synthetic material Opal glass with thread

Connecting pillars with 2 or 3 safety sockets Accessories:

For technical data, see Page 115.

Colour: Graphite









Garden	luminaire · Sphe	ere			
	LED	EEC	Α	В	
55 030	3.3 W 245 lm	A++	150	260	



Garden luminaire · Cylinder						
	LED		EEC	Α	В	
55 010	3.3 W	235 lm	A++	70	340	



Garder	ı luminair	e · Cylin	der			
	LED		EEC	А	В	
55 005	3.3 W	135 lm	A++	65	270	





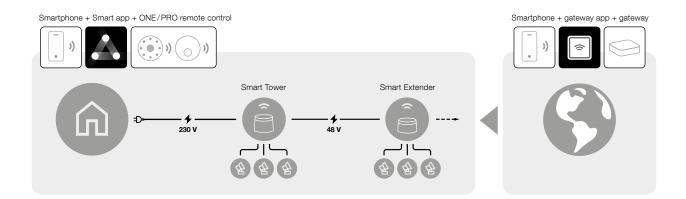
# BEGA Plug & Play The smart LED light system for illuminating your garden

BEGA Plug & Play is the smart LED light system for illuminating your garden. Simply position the portable luminaires in your garden, configure them with the comfortable BEGA Smart app and then switch and dim them individually by remote control. The Smart Tower is the basis of BEGA Plug & Play. It is the intelligent control centre of the system and at the same time provides the necessary operating voltage of 48 V. Up to four luminaires can be connected to the Smart Tower using safe plug connectors. Smart Extenders enhance the system with connection options for more luminaires. The flexible cables can simply be laid above ground between the plants – there is no need for any elaborate and expensive installation of underground cables. Changes and extensions are thus possible very quickly and at any time.

The system can be operated using comfortable BEGA remote controls, which are available in two versions. These can be used to switch and dim the connected luminaires and to call up customised lighting scenarios.

BEGA Zigbee LED lamps can also be integrated in a Plug & Play system. In this way, conventional luminaires with E 14 or E 27 bases can also be controlled individually – indoors as well as outdoors. For more information about BEGA LED lamps, see Page 231.

 $\label{thm:configuration} \text{The BEGA 70\,588 gateway and the relevant app can be used to access the system configuration and control via the Internet.}$ 









### Configuration by app

The free BEGA Smart app is available to help you configure your system. The app allows you to create luminaire groups and lighting scenarios intuitively and with little effort. The system can also be configured to switch automatically, depending on the time of day.

The app can also be used to control the Plug & Play system in the immediate vicinity of the garden. For comfortable control, including control from greater distances, we recommend the ONE or PRO remote controls.





PRO O

### Operation by remote control

The ONE and PRO remote controls are available for the user-friendly operation of your BEGA Plug & Play system. Both can be programmed using the BEGA Smart app.

ONE has ten user-programmable pushbuttons. These can be assigned individual luminaires, groups of luminaires, scenarios or light colours. PRO offers menu control by display and touch ring. Two user-programmable favourites buttons also allow fast access to your preferred scenarios. The impressive appearance of the PRO will convince you with its housing made of anodised matt black cast aluminium and a front panel made of unbreakable, scratch-proof Gorilla® glass.



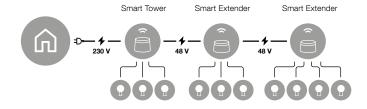
### Planning a BEGA Plug & Play system

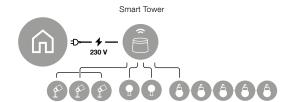
The Smart Tower is the basis of BEGA Plug & Play. It is the intelligent control centre of the system and at the same time provides the necessary operating voltage of 48 V. Optionally we can supply the Smart Tower with 5 m connecting cable and a mains plug for operating on a 230 V socket or without a mains plug with free cable ends.

In this case, we recommend the use of a BEGA distribution box for the electrical connection.

Luminaires as well as one or more Smart Extenders can be connected to the four plug contacts of the Smart Tower. Smart Extenders also have four plug contacts, thus extending the system with additional connection options.

The maximum connected wattage of all luminaires connected to a Smart Tower is 50 watts. If additional luminaires are to be connected, the system can be extended any time with an additional Smart Tower.





#### BEGA Plug & Play Smart Tower and Smart Extender

Protection class IP 65  $\cdot$  Housing made of glass fibre reinforced synthetic material Zigbee 3.0 and Bluetooth

Smart Tower:  $230\,\text{VAC}/48\,\text{V}$  DC  $\cdot$  Connected wattage max. 50 watts Smart Tower and Smart Extender: 4 outputs each, can be switched and dimmed individually

To operate them, we recommend the remote controls PRO (13 569) or ONE (10 526).

For the electrical connection of the Smart Tower 13 567, we recommend the use of the BEGA distribution boxes 70 730 or 71 053 for installation in soil. For technical data, see Page 232.

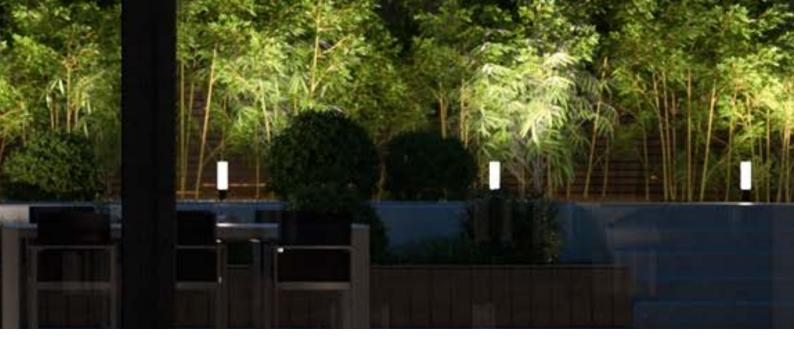
Colour graphite



		А	В	
13 566	Smart Tower with 5 m connecting cable and mains plug	130	75	
13 567	Smart Tower with 5 m connecting cable and free cable end	130	75	
13 568	Smart Extender with 5 m cable and 48 V plug	130	65	



Smart Extender



#### BEGA remote controls ONE and PRO

Zigbee 3.0 · Radio range in the field 30 m Including magnetic wall mounting bracket Configuration using BEGA Smart app

#### ONE remote control

10 user-programmable pushbuttons. Each pushbutton can be assigned an individual luminaire, luminaire group, scenario or light colour. Grey synthetic housing with black front panel

#### PRO remote control

Electronic paper display and touch ring for navigating in the menu, as well as two user-programmable Favourites buttons. Anodised matt black housing made of cast aluminium Front panel made of unbreakable, scratch-proof Gorilla® glass.

	Ø
 ONE remote control PRO remote control	75 80



PRO

#### Accessories

#### **BEGA Gateway**

The BEGA Gateway integrates your Plug & Play system into the local network. Using the free BEGA Gateway app, you can control and configure the connected luminaires and other Zigbee components. The gateway allows you to access the BEGA Plug & Play system over the Internet from anywhere in the world.





#### Extension cables

Extension cables with 48 V socket and plug, optionally 5 m or 10 m

Protection class IP 67 · Colour graphite

10 596 Extension cable 5 m 10 597 Extension cable 10 m



# BEGA Plug & Play Portable LED garden luminaires 48 V DC for unshielded light

Lighting technology: Luminaires with unshielded light

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Protection class: IP 65

Housing and earth spike made of glass fibre reinforced Material:

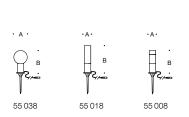
synthetic material Opal glass with thread With 5 m cable and 48 V plug

BEGA Plug & Play Smart Tower and Smart Extender Accessories:

For technical data, see Page 106.

Colour: Graphite





	LED	EEC	А	В	
55 038	2.4 W 240 li	m A++	150	260	
55 018	2.4 W 235 li	m A++	70	340	
55 008	2.4 W 185 li	m A++	65	270	





BEGA Plug & Play

# Portable LED garden floodlights 48 V DC For directed light

Lighting technology: Floodlights with directed light

Colour temperature 3000 K, corresponds to warm white

Article number + K3

IP 65 Protection class:

Housing, earth spike and ring base made of glass fibre reinforced Material:

synthetic material

Safety glass · Reflector made of pure anodised aluminium

With 5 m cable and 48 V plug

BEGA Plug & Play Smart Tower and Smart Extender Accessories:

For technical data, see Page 106.

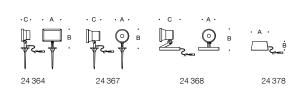
Colour: Graphite



Floodlights with ring base



Cable winder in the ring base



	LED		EEC	Α	В	С	
24 364	10.0 W	845 lm	A++	165	185	50	
24 367	4.0 W	340 lm	A++	105	175	110	
24 368	4.0 W	340 lm	A++	105	175	175	
24 378	7.8 W	690 lm	A++	185	75	_	





# BEGA Plug & Play Portable LED spherical luminaires 48 V DC

Consisting of 3 or 5 luminaires, optionally with earth spike or hook

Lighting technology: 3 or 5 LED spherical luminaires with unshielded light
With 5 m cable between the 48 V plug and the first luminaire
Cable length between the luminaires 2 m

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Protection class: IP 65

Housing, earth spike and hook made of glass fibre reinforced Material:

 $\quad \text{synthetic material} \cdot \text{White synthetic sphere} \\$ 

BEGA Plug & Play Smart Tower and Smart Extender Accessories:

For technical data, see Page 106.

Colour: Graphite



LED spherical luminaires with hook





	LED	EEC	Α	В
3 lum. with earth spike 5 lum. with earth spike	<b>3</b> × 4.0 W <b>5</b> × 4.0 W		120 120	
3 lum. with hook 5 lum. with hook	<b>3</b> × 4.0 W <b>5</b> × 4.0 W	 	120 120	





### BEGA Plug & Play

### Portable LED garden floodlights 48 V DC

consisting of 3 luminaires with earth spike

Lighting technology: 3 LED garden floodlights with symmetrical light distribution With 5 m cable between the 48 V plug and the distribution box

Cable length between distribution box and each floodlight 3 m Colour temperature 3000 K, corresponds to warm white

Article number + K3

Protection class: IP 65

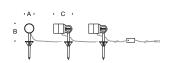
Material: Housing and earth spike made of glass fibre reinforced

synthetic material Safety glass · Reflector surface made of pure aluminium

Accessories: BEGA Plug & Play Smart Tower and Smart Extender

For technical data, see Page 106.

Colour: Graphite



 LED
 EEC
 A
 B
 C

 24 366
 3 floodlights
 3 x 4.0 W
 840 lm
 A<sup>++</sup>
 55
 110
 100

with earth spike



### Portable LED luminaire for adjustable directed light

This versatile luminaire is characterised especially by the option of adjusting the luminaire head.

It can be turned by +/-30°, and the height is also infinitely adjustable. A luminaire for many small lighting applications in the garden and terrace area. Shielded light with wide beam light distribution on the illuminated surface. A mobile luminaire which can simply be placed in lawns, flowerbeds or plants with an earth spike. If required the luminaires can swiftly be moved to a different location. A 5 m connecting cable with mains plug is included in the scope of delivery.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.











Portable luminaires are secured with an earth spike in the ground.



LED garden luminaire with earth spike  $\cdot$  portable

Lighting technology: Luminaire with shielded, directed light  $\cdot$  adjustable

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Protection class: IP 65

Material: Cast aluminium, glass fibre reinforced synthetic material

and stainless steel

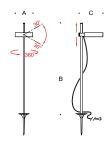
Vertical tube made of anodised aluminium Light deflection through synthetic cover

with optical texture

Accessories: Connecting pillars with 2 or 3 safety sockets

For technical data, see Page 115.

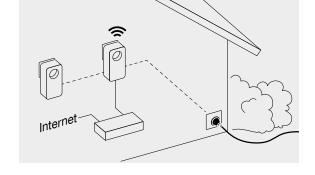
Colour: Graphite



 LED
 EEC
 A
 B
 C

 55 045
 9.0 W
 455 lm
 A<sup>++</sup>
 160 1000 225







### BEGA Outdoor WiFi Powerline Adapter IP 65

The BEGA Outdoor WiFi Powerline Adapter will take your devolo  $\mathrm{dLAN}^{\circledR}$ network out into the garden. devolo dLAN® uses your domestic power supply to transfer data, and allows every plug socket to be used to access the

With the BEGA Outdoor WiFi Powerline Adapter you can extend your  $\mathrm{dLAN}^{\circledR}$ installation to add a secure WLAN connection in your garden, running at a speed of up to 300 Mbit/s.

Compatible with all devolo dLAN® Powerline adapters from the 200/500/550/650/1200 Mbit/s product series and third-party adapters of the same standard.

Other technical data can be found in the product data sheet on our website.

Installation: Ready for connection with 5 m cable and mains plug

IP 65 Protection class:

Housing made of glass fibre reinforced synthetic material Material:

Colour: Graphite



Ø





### Connecting pillar with safety sockets

BEGA connecting pillars with 2 or 3 safety sockets for private gardens. We can supply the connecting pillars optionally with an anchorage unit to set it in concrete in the soil, or with a screw-on base for installation on a foundation or a paved surface, or with an earth spike for portable use. For the installation and operation of this connecting pillar, national safety regulations must be complied with.

Earth fault circuit breakers and fuses must be connected on line side in the sub-main distribution circuit.

Other technical data can be found on our website in the product data sheet issued for the connecting pillars.

### Connecting pillars

with 2 or 3 safety sockets,

#### optionally permanent

- With anchorage unit made of hot-dip galvanised steel
- With screw-on base made of hot-dip galvanised steel for mounting on foundations

### or **portable**

• With earth spike

Protection class: IP 44

Material: Cast aluminium, aluminium, stainless steel

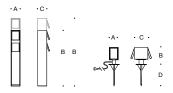
Device holder and cover made of glass fibre reinforced synthetic material  $10\,713\cdot13\,543\,$  housing and earth spike made of synthetic material

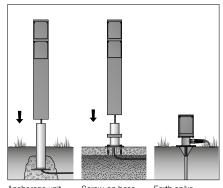
ready for connection with 5 m cable and mains plug

Accessories: Distribution boxes 70 730 or 71 053 for installation in soil

For technical data, see Page 232.

Colour: Graphite





Anchorage unit Screw-on base Earth spike
A technical description of these installation types can
be found on Page 232.





# Wall luminaires with LED or for lamps with screw base E 27

Lanterns have been used for hundreds of years to protect light sources from wind and rain. The modern lanterns in this series are reminiscent of the tradition of handcrafted luminaires. There are various sizes and versions with a metal housing and single panes of crystal glass. These luminaires are optionally available with LED or for lamps with screw base E 27. You will find suitable BEGA LED lamps on Page 231. The LED luminaires on this page will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life.







Lighting technology: Luminaires with light shielded upwards
with LED or for lamps with screw base E 27
Luminaires with LED · Integral power supply unit Colour temperature 3000 K, corresponds to warm white

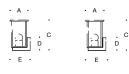
Article number + K3

Protection class:

Material: Cast aluminium, aluminium and stainless steel

Crystal glass panes

Colour: Graphite







The LED luminaires on this double page are available with an inside globe made of opal glass. The light from the LED is pleasantly and uniformly distributed by the opal glass.

Wall luminaires for near-wall installation · square										
	LED			EEC	Α	В	С	D	Е	
31012	6.0 W	245 lm		A++	160	160	290	110	175	
	Lamp		Base	EEC	Α	В	С	D	Е	
31015	1 lamp	75 W	E 27	A++-E	160	160	290	110	175	

Wall lur	Wall luminaires for near-wall installation · rectangular										
	LED			EEC	Α	В	С	D	Е		
31013	6.0 W	235 lm		A++	160	210	285	110	175		
	Lamp		Base	EEC	Α	В	С	D	Е		
31 037	1 lamp	75 W	E 27	A++-E	160	210	285	110	175		









# Wall luminaires for lamps with screw base E 27

Lanterns provide atmospheric and romantic lighting modelled on old masters. Reminiscent of handcrafted lighting elements. Luminaires with light openings covered with single panes of antique glass and a safety guard.

The wall luminaires are available in three versions: with low overhang for near-wall installation, with wall arm, or hanging with outrigger arm.

You will find suitable BEGA LED lamps with screw base E 27 on Page 231. Other technical data can be found on our website in the product data sheet issued for the luminaire.



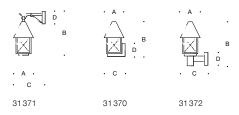




Lighting technology: Luminaires with light shielded upwards IP 44 · 31 371 Protection class IP 23 Protection class:

Cast aluminium, aluminium and stainless steel Antique glass panes Material:

Graphite Colour:



	Lamp		Base	EEC	Α	В	С	D	
31371	1 lamp	75 W	E 27	A++-E	175	375	285	110	
31 370	1 lamp	75 W	E 27	A++-E	175	300	185	110	
31 372	1 lamp	75 W	E 27	A++-E	175	385	240	110	





Wall luminaires for lamps with screw base E14 · E 27

Luminaires for shielded and directed light.

The light from the luminaires is shielded upwards and forwards by an aluminium shield, and directed onto the illuminated surface. A small slit of light at the back highlights the contours of the luminaire. The wall luminaires can be installed with the light emission either to the top or bottom.

Arranged as single luminaires around buildings or as groups: They are stylish elements for illuminating houses, gardens and wherever else atmospheric lighting is required.

You will find suitable BEGA LED lamps with screw base E14 and E27 on Page 231.

Other technical data can be found on our website in the product data sheet issued for the luminaire.



Lighting technology: Luminaires with shielded, directed light

IP 64 Protection class:

Cast aluminium, aluminium and stainless steel Hand-blown crystal bubble glass with thread Material:

Colour: Graphite



	Lamp		Base	EEC	Α	В	С	
31 196	1 lamp	40 W	E 14	A++-E	135	185	120	
31 197	1 lamp	60 W	E 27	A++-E	155	220	145	



# Wall luminaires with LED or for lamps with screw base E14 · E 27

The shape of the lantern is unmatched in its diversity. Originally intended to illuminate houses and courtyards, the shape was clearly determined by function. These luminaires continue the tradition. They have a predefined light direction, and are particularly suitable for illuminating areas in front of the mounting surface. Luminaires designed for houses and courtyards, alongside and over doors, and for a host of other lighting applications.

These luminaires are optionally available with LED or for lamps with screw base E14 and E27. You will find suitable BEGA LED lamps on Page 231.

The LED luminaires on this page will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life.



Lighting technology: Luminaires with light shielded upwards

with LED or for lamps with screw base E14 · E27 Luminaires with LED · Integral power supply unit Colour temperature 3000 K, corresponds to warm white

Article number + K3

Protection class: IP 44

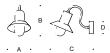
Material:  $31\,014\cdot 31\,016\cdot 31\,110\cdot 31\,118$ 

Cast aluminium, aluminium and stainless steel

Colour: Graphite

31 004  $\cdot$  31 007 Copper  $\cdot$  Stainless steel mounting plate

Hand-blown opal glass with thread



Wall lur	minaires ·	Aluminiu	ı <b>m</b> • Co	lour graphite					
	LED			EEC	А	В	С	D	
31 014 31 016	6.0 W 8.0 W	300 lm 430 lm		A++ A++	180 260	215 260	260 340	80 110	
	Lamp		Base	EEC	Α	В	С	D	
31 110 31 118	1 lamp 1 lamp	40 W 60 W	E 14 E 27	A++-E A++-E	180 260	215 260		80 110	
Wall lur	minaires ·	Copper							
	LED			EEC	Α	В	С	D	
31 004	6.0 W	295 lm		A++	180	245	320	90	
	Lamp		Base	EEC	Α	В	С	D	
31 007	1 lamp	40 W	E 14	A++-E	180	245	320	90	



Wall luminaires with LED or for lamps with screw base E 14  $\cdot$  E 27

The shape of the lantern is unmatched in its diversity. Originally intended to illuminate houses and courtyards, the shape was clearly determined by function. These wall luminaires direct their light primarily downwards.

They are ideal for illuminating areas directly below the mounting surface.

Copper with its vivid surface accentuates the special character of these luminaires.

Luminaires designed for houses and courtyards, alongside and over doors, and for a host of other lighting applications.

These luminaires are optionally available with LED or for lamps with screw base E14 and E27. You will find suitable BEGA LED lamps with screw base E27 on Page 231.

The LED luminaires on this page will impress you through a minimum LED service life of 50000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life.





Lighting technology: Luminaires with light shielded upwards

for lamps with screw base E 27

Protection class: IP 44

Material: Copper, brass and die cast brass

Hand-blown opal glass with thread

The luminaires are fixed to the mounting surface by a stainless steel

mounting plate.



	Lamp		Base	EEC	Α	В	С	D
31 472	1 lamp	60 W	E 27	A++-E	210	185	245	110
31 473	1 lamp	75 W	E 27	A++-E	250	225	285	110

Wall luminaires

Lighting technology: Luminaires with light shielded upwards

with LED or for lamps with screw base E14 Luminaires with LED · Integral power supply unit Colour temperature 3000 K, corresponds to warm white

Article number + K3

Protection class: IP 44

Material: Copper and brass

Hand-blown opal glass with thread

The luminaires are fixed to the mounting surface by a stainless steel mounting plate.



	LED			EEC	Α	В	С	D	
31 058	6.0 W	275 lm		A++	180	165	200	90	
			_			_	_	_	
	Lamp		Base	EEC	А	В	С	D	



Wall luminaires for lamps with screw base E 27 Shielded on one side

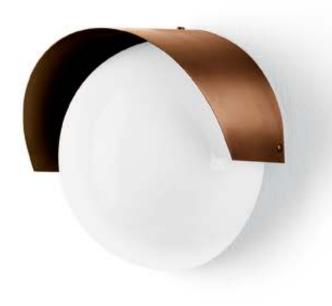
Luminaires shielded upwards, made of copper with hand-blown, three-ply opal glass.

These robust and reliable lighting tools retain their aesthetic quality over a long period of time. With a classic shape of discreet elegance. They are suitable for a host of lighting applications. Both indoors and outdoors.

You will find suitable BEGA LED lamps with screw base E 27 on Page 231.

Other technical data can be found on our website in the product data sheet issued for the luminaire.





Lighting technology: Luminaires with light shielded on one side

for lamps with screw base E 27

Protection class:

31 311  $\cdot$  31 312 Fitting made of cast aluminium, colour graphite 31 470 Fitting made of copper Shield made of copper Material:

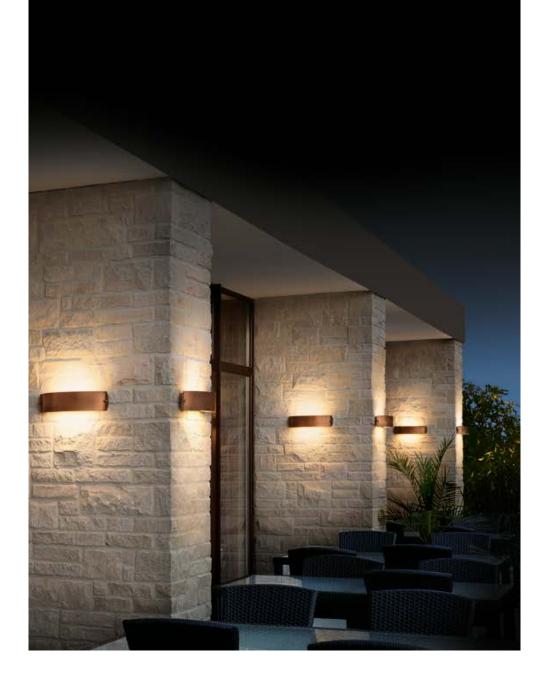
Hand-blown opal glass



Wall luminaires · Fig. on Page 126										
	Lamp		Base	EEC	Α	В	С			
	1 lamp 1 lamp			A++-E A++-E		200 250				



Wall lur	minaire · Fi	g. on Pa	ge 127					
	Lamp		Base	EEC	Α	В	С	
31 470	1 lamp	75 W	E 27	A++-E	245	235	140	



# Wall luminaires Light emission on two sides

Wall luminaires in three sizes designed for halogen lamps. Shielded to the front, made of copper and hand-blown, three-ply opal glass.

The light from the lamps exits in two directions. The wall acts as a reflection surface for the soft diffuse light radiating upwards and downwards.

These luminaires are impressive for their extremely pleasant atmospheric lighting and high level of visual comfort. As single luminaires or arranged in groups, they can solve many design and lighting applications. Both indoors and outdoors.

Other technical data can be found on our website in the product data sheet issued for the luminaire.





Lighting technology: Luminaires with light emission on two sides

Protection class: IP 54

Material:

Copper and brass Hand-blown opal glass Wall mounting made of stainless steel



	Lamp		Base	EEC	Α	В	С	
31 451	1 QT 32	70 W	E 27	A++-E	260	90	115	
31 453	1 QT 32	70 W	E 27	A++-E	300	100	130	
31 455	2 QT 32	60 W	E 27	A++-E	400	100	115	



Wall luminaires for lamps with screw base E 14  $\cdot$  E 27 Light emission on two sides

Three sizes, shielded to the front, made of copper and brilliant, hand-blown crystal bubble glass. Copper is used to shield the luminaires and protect the glass. The brilliant light from the lamps is radiated directly upwards and downwards, projecting impressive light graphics onto the wall. As single luminaires or arranged in groups, these luminaires produce expressive light for the effective highlighting of surfaces and vertical architectural details.

You will find suitable BEGA LED lamps with screw base E14 and E27 on Page 231.

Other technical data can be found on our website in the product data sheet issued for the luminaire.





Lighting technology: Luminaires with light emission on two sides for lamps with screw base E14  $\cdot$  E 27

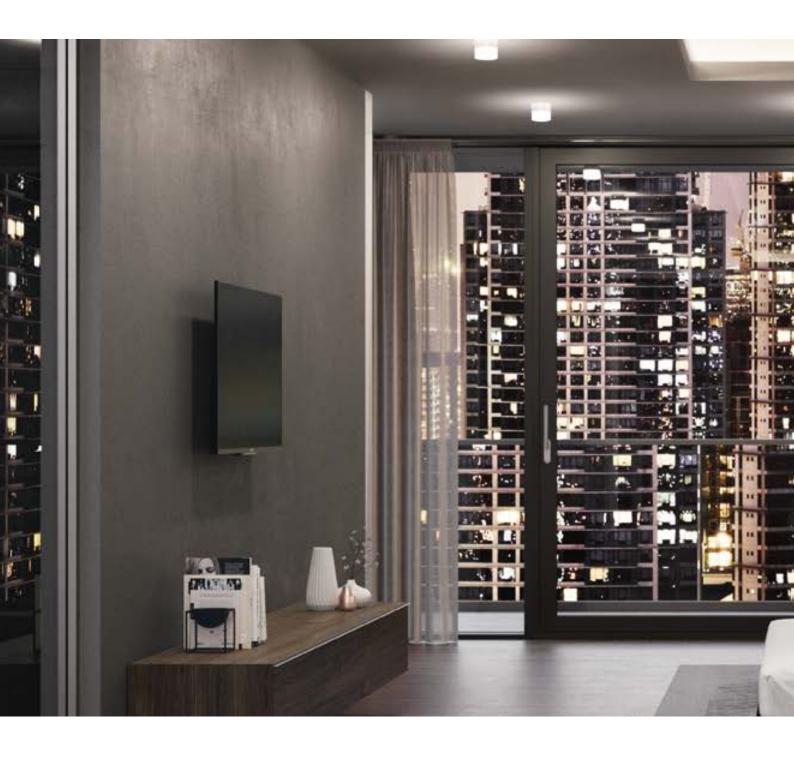
IP 64 Protection class:

Material:

Copper and brass Hand-blown crystal bubble glass with thread Wall mounting made of stainless steel



	Lamp		Base	EEC	Α	В	С	
31 206	1 lamp	40 W	E 14	A++-E	120	120	170	
31 207	1 lamp	60 W	E 27	A++-E	160	160	200	



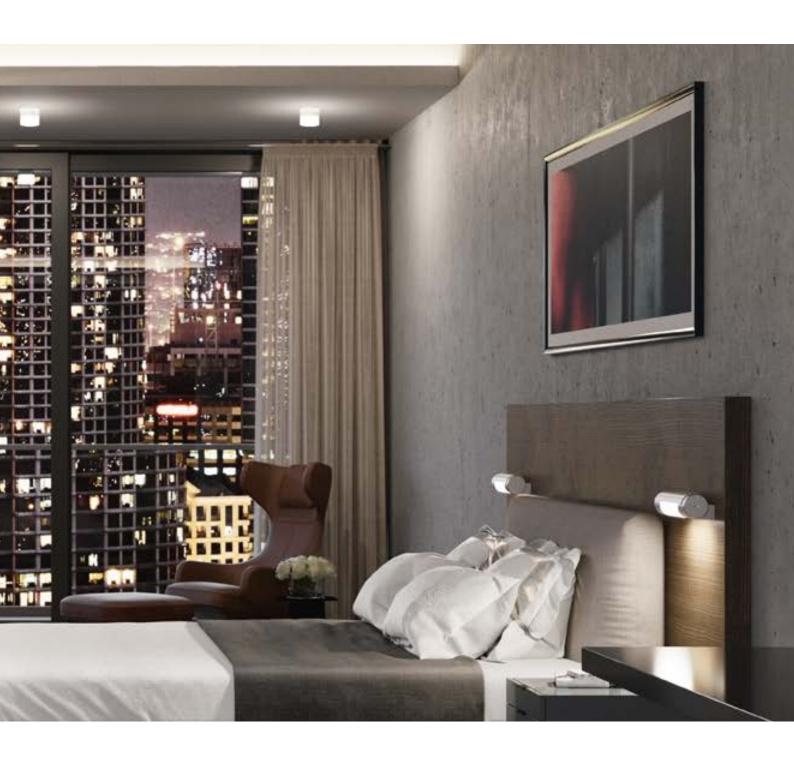
### BEGA indoor luminaires

For more than 70 years now, BEGA has been developing and producing high-quality outdoor luminaires for almost all areas of architecture. For 40 years we have been developing and producing indoor luminaires. Throughout this time our development and design work has been driven by our fascination for glass with its countless facets. Being able to fall back on our own glass production when new ideas

for luminaires are being implemented has always been a major advantage for us.

For example, we can design our luminaire glass according to our own quality standards and lighting requirements in our glassworks in Limburg.

We work daily on the further development of our collection in order to continue creating luminaires of the highest



quality for all areas of interior design.
In times of declining product quality and growing mass production, high-grade workmanship and distinctive design have become an expression of good taste.
As structural details, our luminaires are closely bound to interior design. They are designed to do more than simply perform lighting applications.

This requirement is also met by the following selection of our indoor luminaires in "Light for the house and the garden."

It provides a diversity of design options for coordinating indoor lighting with outdoor illumination and for experiencing light in previously unknown facets.



# ACCENTA LED recessed wall luminaires Recessed opening 68 mm

A series of small and compact recessed wall luminaires with high-grade LED technology. These luminaires are quick and easy to install in standard switch or cavity wall boxes of 68 mm diameter. They are luminaires with unshielded light for directing and guiding illumination or luminaires with shielded light for the illumination of ground surfaces, e.g. for marking stairs and danger points. Each luminaire comes with a matching cavity wall box. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.





Unshielded light

Shielded light



ACCENTA recessed wall luminaires for installation in switch or cavity wall boxes of 68 mm diameter.

LED recessed wall luminaires · **ACCENTA** Recessed opening 68 mm

Lighting technology: Luminaires with unshielded or shielded light

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Material: Luminaire housing made of metal

Safety glass, inside white

50 156  $\cdot$  Reflector surface made of pure aluminium

Crystal glass, frosted on the inside

Finish: White enamel or stainless steel

c 🗂

White enamel finish



S/steel · Code number .2



LED recessed wall luminaires · White enamel finish										
		LED	PSU	EEC	Α	В	С			
50 119.1	Square · unshielded	2.1 W 45 lm	On/off	A++	75	65	68			
50 117.1	Round · unshielded	2.1 W 40 lm	On/off	A++	75	65	68			
50 156.1	Round · shielded	2.1 W 110 lm	On/off	A++	75	65	68			
LED rece	LED recessed wall luminaires · stainless steel									

LED rece	LED recessed wall luminaires · stainless steel										
		LED	PSU	EEC	Α	В	С				
50 119.2	Square · unshielded	2.1 W 45 lm	On/off	A++	75	65	68				
50 117.2	Round · unshielded	2.1 W 40 lm	On/off	A++	75	65	68				
50 156.2	Round · shielded	2.1 W 110 lm	On/off	A++	75	65	68				









# ACCENTA LED recessed wall luminaires Recessed opening 68 mm

A series of small and compact recessed wall luminaires with high-grade LED technology. These luminaires are quick and easy to install in standard switch or cavity wall boxes of 68 mm diameter. They are luminaires with unshielded light for directing, guiding or orientating illumination. Each luminaire comes with a matching cavity wall box. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.



Unshielded light



ACCENTA recessed wall luminaires for installation in switch or cavity wall boxes of 68 mm diameter.

LED recessed wall luminaires  $\cdot$  ACCENTA Recessed opening 68 mm

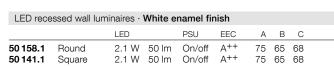
Lighting technology: Luminaires with unshielded light Colour temperature 3000 K, corresponds to warm white

Article number + K3

Material: Luminaire housing made of metal

Safety glass, inside white

Finish: White enamel or stainless steel



LED recessed wall luminaires · Stainless steel									
		LED		PSU	EEC	Α	В	С	
50 158.2 50 141.2				On/off On/off			65 65	00	











### LED recessed ceiling downlights for external power supply units

These LED recessed ceiling downlights are suitable for all areas in which the illumination of ground surfaces from the ceiling is desired. The trim frames are available in various finishes (white enamel, stainless steel or polished aluminium) to match your interior decoration.

These luminaires are available with various LED outputs, half beam angles and dimensions. Optionally with symmetrical wide beam or asymmetrical wide beam light distribution.

The external power supply unit required for your system can be connected to the luminaire by means of simple plug connectors. External power supply units for operating these luminaires are accessories and must be ordered separately. For technical data and explanations, see Page 233.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.





Asymmetrical







LED recessed ceiling downlights for external power supply units

Lighting technology: Luminaires with symmetrical wide beam or

asymmetrical wide beam light distribution Colour temperature 3000 K, corresponds to warm white

Article number + K3

Material: Luminaire housing made of aluminium

Safety glass

Reflector surface made of pure aluminium

Finish: White enamel, stainless steel or

**12 206.3** Asymmetrical 4.3 W 320 lm A<sup>++</sup> **12 233.3** Asymmetrical 10.6 W 645 lm A<sup>++</sup>

**12 234.3** Asymmetrical 17.0 W 1110 lm A<sup>++</sup>

polished aluminium

The luminaires and the external power supply units required for your lighting systems can be connected by means of a simple plug connector.

In the table, you can find two versions of switchable or controllable power supply units.

For technical data and explanations, see Page 233.

13 144

13 144

13 196



Ceiling tr	Ceiling trim frame in white enamel					E	xternal pov	ver supply unit	
		LED		EEC	Α	В		n/off	DALI
12 201.1 12 202.1 12 204.1	Symmetrical Symmetrical Symmetrical	4.3 W 10.6 W 17.0 W	345 lm 745 lm 1165 lm	A++ A++ A++	100 100 140	75 75 75	1	3 144 3 144 3 196	13 169 13 169 13 197
12 206.1 12 233.1 12 234.1	Asymmetrical Asymmetrical Asymmetrical	4.3 W 10.6 W 17.0 W	320 lm 645 lm 1110 lm	A++ A++ A++	100 100 140	90 90 90	1	3 144 3 144 3 196	13 169 13 169 13 197
Ceiling trim frame in stainless steel						Е	External power supply unit		
		LED		EEC	А	В	О	n/off	DALI
12 201.2 12 202.2 12 204.2	Symmetrical Symmetrical Symmetrical	4.3 W 10.6 W 17.0 W	345 lm 745 lm 1165 lm	A++ A++ A++	100 100 140	75 75 75	1	3 144 3 144 3 196	13 169 13 169 13 197
12 206.2 12 233.2 12 234.2	Asymmetrical Asymmetrical Asymmetrical	4.3 W 10.6 W 17.0 W	320 lm 645 lm 1110 lm	A++ A++ A++	100 100 140	90 90 90	1	3 144 3 144 3 196	13 169 13 169 13 197
Ceiling tr	im frame in <b>poli</b>	shed alu	minium				Е	xternal pov	ver supply unit
		LED		EEC	А	В	О	n/off	DALI
12 201.3 12 202.3 12 204.3	Symmetrical Symmetrical Symmetrical	4.3 W 10.6 W 17.0 W	345 lm 745 lm 1165 lm	A++ A++ A++	100 100 140	75 75 75	1	3 144 3 144 3 196	13 169 13 169 13 197

100 90 100 90

140 90

White enamel finish Code number .1



S/steel · Code number .2



Polished aluminium Code number .3



13 169

13 169

13 197

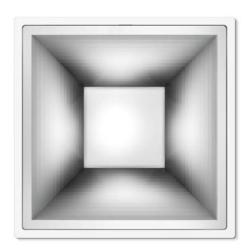


LED recessed ceiling downlights including external on/off power supply units

The PRIMA series of luminaires has been developed for all applications that require reliable technology and high cost efficiency. Luminaires for universal use. Compact, economical and versatile — of course with durable BEGA LED technology. Luminaires with various LED outputs and dimensions for installation in suspended ceilings. With symmetrical wide beam and asymmetrical wide beam light distribution. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.





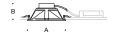
LED recessed ceiling downlights including external on/off power supply units

Lighting technology: Luminaires with symmetrical wide beam or asymmetrical wide beam light distribution Colour temperature 3000 K, corresponds to warm white Article number + K3

Material: Luminaire housing made of cast aluminium

Reflector surface made of pure aluminium

Finish: White enamel finish





LED downlights · Symmetrical wide beam									
	LED		PSU	EEC	Α	В			
50 541.1	8.5 W	715 lm	On/off	A++	155	80			
50 542.1	16.6 W	1460 lm	On/off	A++	180	90			





LED downlights · Asymmetrical wide beam									
	LED		PSU	EEC	Α	В			
50 544.1 50 545.1		710 lm 1455 lm		A++ A++	155 180				



LED recessed ceiling downlights including external on/off power supply units

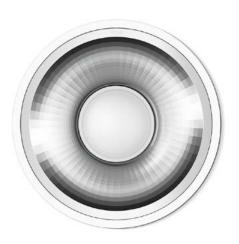
table might change as a result of technical progress.

Luminaires in the PRIMA series are designed for all applications requiring reliable technology and high cost efficiency. Luminaires for universal use.

Compact, economical and versatile – of course with durable BEGA LED technology. Luminaires with various LED outputs and dimensions for installation in suspended ceilings. With symmetrical wide beam and asymmetrical wide beam light distribution. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.





LED recessed ceiling downlights including external on/off power supply units

Lighting technology: Luminaires with symmetrical wide beam or

asymmetrical wide beam light distribution
Colour temperature 3000 K,
corresponds to warm white Article number + K3

Material: Luminaire housing made of cast aluminium

Reflector surface made of pure aluminium

White enamel finish Finish:





LED downlights · Symmetrical wide beam										
	LED		PSU	EEC	Α	В				
50 336.1 50 337.1				A++ A++	180 235	90 110				





LED downlights · Asymmetrical wide beam										
LEI	D	PSU	EEC	Α	В					
<b>50 338.1</b> 10 <b>50 339.1</b> 21				180 235	00					





Recessed ceiling luminaires for 68 mm recessed openings

ACCENTA PURE and ACCENTA LED recessed ceiling luminaires complete with external on/off or DALI power supply units Recessed opening 68 mm

These luminaires belong to our ACCENTA range of recessed ceiling luminaires. This is a series of small and compact luminaires with high-grade LED technology for 68 mm ceiling cutouts. High-quality crystal glass and reflectors for creating efficient and brilliant light.

ACCENTA recessed ceiling luminaires are suitable for lighting applications in private homes and wherever representative, brilliant luminaires with efficient LED technology are requested.

The combination with ceiling trim rings in four different materials enables perfect coordination with all kinds of indoor structural details.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.











#### Overview of finishes for the ACCENTA ceiling trim ring

If you wish to have a different finish, please change the code number in the article number.

White enamel finish Code number .1



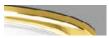
S/steel · Code number .2



Polished stainless steel Code number .3



Brass · Code number .4



#### ACCENTA PURE

LED recessed ceiling luminaires Recessed opening 68 mm

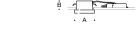
Lighting technology: Luminaires with wide beam light

Colour temperature 3000 K, corresponds to warm white Article number + **K3** 

Material: Luminaire housing made of cast aluminium

Reflector made of pure anodised aluminium

Partially frosted crystal glass





ACCEN	TA PURE				
	LED	PSU	EEC	А В	
50 591 50 593	10.2 W 640 lm 10.2 W 640 lm		A++ A++	80 48 80 48	

### ACCENTA

LED recessed ceiling luminaires Recessed opening 68 mm

Lighting technology: Luminaires with wide beam light

Colour temperature 3000 K, corresponds to warm white Article number + **K3** 

Material: Luminaire housing made of cast aluminium

Reflector made of pure anodised aluminium

Partially frosted crystal glass

Finish: Ceiling trim ring with white enamel,

stainless steel, polished stainless steel

or brass finish





ACCENT	A · Ceiling trim ring	, white ·	Code nui	mber .1	
	LED	PSU	EEC	А В	
50 710.1	10.2 W 640 lm	On/off	A++	80 48	
50 711.1	10.2 W 640 lm	DALI	A++	80 48	





ACCENTA PLUS Recessed ceiling luminaires for 68 mm recessed openings

# ACCENTA PLUS LED recessed ceiling downlights for external on/off or DALI power supply units Recessed opening 68 mm

ACCENTA PLUS – small, compact and very efficient. These downlights are available with two exceptionally high light outputs and two light distributions. ACCENTA recessed ceiling luminaires are suitable for lighting applications in private homes and wherever representative, brilliant luminaires with efficient LED technology are requested. The combination with ceiling trim rings in four different materials enables perfect coordination with all kinds of indoor structural details. The external power supply unit required for your system can be connected to the luminaire by means of a simple plug connector. In the table, you can find two versions of switchable or controllable power supply units. External power supply units for operating these luminaires are accessories and must be ordered separately. For technical data and explanations, see Page 233.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.







#### Overview of finishes for ceiling trim ring

If you wish to have a different finish, please change the code number in the article number.

White enamel finish Code number .1



S/steel · Code number .2



Polished stainless steel Code number .3



Brass · Code number .4



#### ACCENTA PLUS

Material:

LED recessed ceiling luminaires for external power supply units Recessed opening 68 mm

Lighting technology: Efficient luminaires with narrow

beam or wide beam light distribution Colour temperature 3000 K, corresponds to warm white Article number + K3

Luminaire housing made of cast

aluminium

Reflector made of pure anodised aluminium · Safety glass

Finish:

Ceiling trim ring White enamel finish, stainless steel, polished stainless steel or brass

The luminaires and the external power supply units required for your lighting systems can be connected by means of a simple plug connector. In the table, you can find two versions

of switchable or controllable power supply units.

For technical data and explanations, see Page 233.













Ceiling tr	im ring in white	enamel	· Code r	numbei	r <b>.1</b>		External pov	wer supply unit
		LED		EEC	Α	В	On/off	DALI
2 144.1	Narrow beam	8.0 W	485 lm	A++	80	48	13 198	13 199
84 984.1	Narrow beam	14.5 W	785 lm	A++	80	100	13 144	13 169

		LED	EEC	Α	В	On/off	DALI	
12 145.1 34 985.1	Wide beam Wide beam	8.0 W 515 lm 14.5 W 795 lm		-	48 100	13 198 13 144	13 199 13 169	





ACCENTA VARIO Recessed ceiling luminaires for 95 mm recessed openings

ACCENTA VARIO LED recessed ceiling luminaires complete with external on/off or DALI power supply units Adjustable light distribution Recessed opening 95 mm

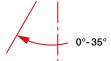
These luminaires belong to our ACCENTA range of recessed ceiling luminaires. They are small and compact luminaires with high-grade LED technology. High-quality crystal glass and reflectors for creating efficient and brilliant light. ACCENTA VARIO has light outputs to match the luminaires on Page 144, but requires a recessed opening of 95 mm.

Combination with ceiling trim rings in four different materials enables perfect coordination with all kinds of structural details.

ACCENTA recessed ceiling luminaires are suitable for lighting applications in private homes and wherever representative, brilliant luminaires with efficient LED technology are requested.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.







#### Overview of finishes for ceiling trim ring

If you wish to have a different finish, please change the code number in the article number.

White enamel finish Code number .1



S/steel · Code number .2



Polished stainless steel Code number .3



Brass · Code number .4



ACCENTA VARIO

LED recessed ceiling luminaires Recessed opening 95 mm

Lighting technology: Luminaires with adjustable light

Colour temperature 3000 K, corresponds to warm white Article number + K3

Material: Luminaire housing made of cast aluminium

Reflector made of pure anodised aluminium

Partially frosted crystal glass

Finish:

Ceiling trim ring in white enamel, stainless steel, polished stainless steel or brass



Ceiling tr	im ring, <b>w</b>	hite · Co	de numb	er .1			
	LED		PSU	EEC	Α	В	
50 713.1	10.2 W	640 lm	On/off	A++	105	55	
50 714.1	10.2 W	640 lm	DALI	A++	105	55	





ACCENTA Recessed ceiling luminaires for 68 mm recessed openings

### **ACCENTA**

LED recessed ceiling luminaires complete with external on/off or DALI power supply units Unshielded luminaires Recessed opening 68 mm

These luminaires belong to our ACCENTA range of recessed ceiling luminaires. They are small and compact luminaires with high-grade LED technology for 68 mm ceiling cutouts.

Combination with ceiling trim rings in four different materials enables perfect coordination with all kinds of structural details.

ACCENTA recessed ceiling luminaires are suitable for lighting applications in private homes and wherever representative, brilliant luminaires with efficient LED technology are requested.

These are luminaires which will impress you through a minimum LED service life of  $50\,000$  hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.



#### Overview of finishes for ceiling trim ring

If you wish to have a different finish, please change the code number in the article number.

White enamel finish Code number .1



S/steel · Code number .2



Polished stainless steel Code number .3



Brass · Code number .4



ACCENTA

LED recessed ceiling luminaires Recessed opening 68 mm

Lighting technology: Luminaires with unshielded light

Colour temperature 3000 K, corresponds to warm white Article number + K3

Material: Luminaire housing made of cast aluminium

Satin matt hand-blown opal glass

Finish:

Ceiling trim ring in white enamel, stainless steel, polished stainless steel or brass



Ceiling tr	im ring, <b>v</b>	vhite · Co	de numb	er .1				
	LED		PSU	EEC	Α	В	С	
50 716.1	7.2 W	590 lm	On/off	A++	80	48	40	
50 717.1	7.2 W	590 lm	DALI	A++	80	48	40	



# STUDIO LINE LED recessed ceiling luminaires including external on/off power supply units

These recessed ceiling luminaires belong to our STUDIO LINE luminaire series. Compact luminaires for installation in suspended ceilings. These luminaires combine our economical and reliable LED technology with various metallic enamels for a fascinating interplay. We offer these luminaires in eight colour combinations to match your interior – you can choose between a velvet black or velvet white exterior finish and between white, aluminium, copper or brass as the interior colour. Particularly when illuminated, the metallic interior colours contrast with the exterior finish to reveal all their beauty.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.







STUDIO LINE

LED recessed ceiling luminaires

including external on/off power supply units

Lighting technology: Efficient luminaires with directed light

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Material: Luminaire housing made of metal

Finish: Ceiling trim ring in velvet black or velvet white

> Interior colour available with a choice of 4 finishes: White  $\cdot$  Matt aluminium  $\cdot$  Matt brass  $\cdot$  Matt copper



LED recessed ceiling luminaires · Interior colour in white Velvet black Velvet white LED EEC Α В 50 576.1 50 578.1 10.8 W 130 80 830 lm On/off  $A^{++}$ 21.0 W 1720 lm A++ 50 577.1 50 579.1 On/off 150 90

LED reces	sed ceiling lum	ninaires · Ir	terior col	our in ma	tt alumii	nium		
Velvet black	Velvet white	LED		PSU	EEC	Α	В	
50 576.2	50 578.2	10.8 W	735 lm	On/off	A++	130	80	
50 577.2	50 579.2	21.0 W	1485 lm	On/off	A++	150	90	

LED recessed ceiling luminaires · Interior colour in matt brass									
Velvet black	Velvet white	LED		PSU	EEC	Α	В		
50 576.4	50 578.4	10.8 W	620 lm	On/off	A++	130	80		
50 577.4	50 579.4	21.0 W	1250 lm	On/off	A++	150	90		

LED recessed ceiling luminaires · Interior colour in matt copper									
Velvet black	Velvet white	LED		PSU	EEC	Α	В		
50 576.6 50 577.6	50 578.6 50 579.6	10.8 W 21.0 W	580 lm 1170 lm		A++ A++	130 150			

Interior colour in white Code number .1



Interior colour in matt alum. Code number .2

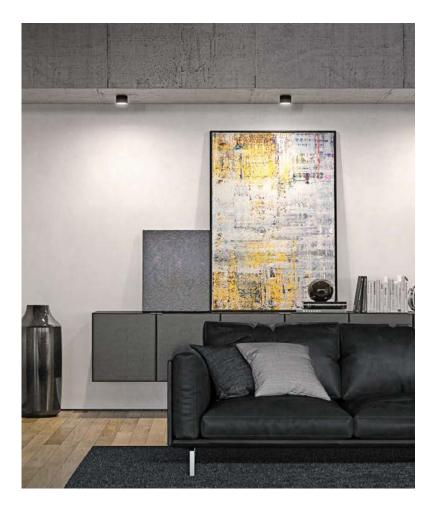


Interior colour in matt brass Code number .4



Interior colour in matt copper Code number .6







STUDIO LINE Recessed ceiling downlights for 68 mm recessed openings

LED recessed ceiling downlights for external power supply units Recessed opening 68 mm

These LED recessed ceiling downlights belong to the luminaire series STUDIO LINE. These luminaires combine our economical and reliable LED technology with various metallic enamels for a fascinating interplay. We offer these luminaires in six colour combinations to match your interior – you can choose between a velvet white or velvet black exterior finish and between aluminium, copper or brass as the interior colour.

Particularly when illuminated, the metallic interior colours contrast with the exterior finish to reveal all their beauty.

The external power supply unit required for your system can be connected to the luminaire by means of a simple plug connector. In the table, you can find two versions of switchable and controllable power supply units. External power supply units for operating these luminaires are accessories and must be ordered separately. For technical data and explanations, see Page 233.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.





LED recessed ceiling downlights for external power supply units Recessed opening  $68\,\mathrm{mm}$ 

Lighting technology: Efficient luminaires with directed light

LED colour temperature 3000  $\rm K$ 

Article number + K3

Material: Luminaire housing made of metal

Reflector made of pure anodised aluminium

Finish: Enamel optionally in

velvet black or velvet white

Interior colour available in the 3 finishes: matt aluminium · matt brass · matt copper

The luminaires and the external power supply units required for your lighting systems can be connected by means of a simple plug connector. In the table, you can find two versions of switchable and controllable power supply units. For technical data and explanations, see Page 233.



Interior colour in matt alum. Code number .2



Interior colour in matt brass



Interior colour in matt copper Code number .6



LED reces	sed ceiling lum	ninaires · Interior co	lour in ma	att aluminium	External pow	er supply unit
Velvet black	Velvet white	LED	EEC	A B C	On/off	DALI
50 249.2 50 252.2	50 370.2 50 371.2	8.0 W 415 lm 14.5 W 820 lm	A++ A++	80 48 50 80 100 50	13 198 13 144	13 199 13 169
LED reces	sed ceiling lum	ninaires · Interior co	lour in ma	att brass	External pow	er supply unit
Velvet black	Velvet white	LED	EEC	A B C	On/off	DALI
50 249.4 50 252.4	50 370.4 50 371.4	8.0 W 395 lm 14.5 W 745 lm	A++ A++	80 48 50 80 100 50	13 198 13 144	13 199 13 169
LED reces	sed ceiling lum	ninaires · Interior co	lour in ma	att copper	External pow	er supply unit
		LED	EEC	A B C	On/off	DALI
Velvet black	Velvet white	LED	LLU	/\ D 0	011/011	DAL





STUDIO LINE Recessed ceiling downlights for 68 mm recessed openings

LED recessed ceiling downlights for external power supply units Recessed opening 68 mm

These LED recessed ceiling downlights belong to the luminaire series STUDIO LINE. These luminaires combine our economical and reliable LED technology with various metallic enamels for a fascinating interplay. We offer these luminaires in six colour combinations to match your interior – you can choose between a velvet white or velvet black exterior finish and between aluminium, copper or brass as the interior colour.

Particularly when illuminated, the metallic interior colours contrast with the exterior finish to reveal all their beauty.

The external power supply unit required for your system can be connected to the luminaire by means of a simple plug connector. In the table, you can find two versions of switchable and controllable power supply units. External power supply units for operating these luminaires are accessories and must be ordered separately. For technical data and explanations, see Page 233.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.

table might change as a result of technical progress.





LED recessed ceiling downlights for external power supply units Recessed opening  $68\,\mathrm{mm}$ 

Lighting technology: Efficient luminaires with directed light

LED colour temperature 3000 K

Article number + K3

Material: Luminaire housing made of metal

Reflector made of pure anodised aluminium

Finish: Enamel optionally in

velvet black or velvet white

Interior colour available in the 3 finishes: matt aluminium · matt brass · matt copper

The luminaires and the external power supply units required for your lighting systems can be connected by means of a simple plug connector. In the table, you can find two versions of switchable and controllable power supply units. For technical data and explanations, see Page 233.



LED recessed ceiling luminaires · Interior colour in matt aluminium External power supply unit LED EEC В Velvet black Velvet white Α С On/off DALI 8.0 W 435 lm A<sup>++</sup> 14.5 W 820 lm A<sup>++</sup> 50 250.2 50 372.2 85×85 48 50 13 198 13 199 A++ 50 253.2 50 373.2 85×85 100 50 13 144 13 169

LED reces	LED recessed ceiling luminaires · Interior colour in matt brass External power supply unit									
Velvet black	Velvet white	LED		EEC	Α	В	С	On/off	DALI	
50 250.4	50 372.4	8.0 W	395 lm	A++	85×85	48	50	13 198	13 199	
50 253.4	50 373.4	14.5 W	745 lm	A++	85×85	100	50	13 144	13 169	

LED reces	LED recessed ceiling luminaires · Interior colour in matt copper External power supply unit										
Velvet black	Velvet white	LED		EEC	Α	В	С	On/off	DALI		
50 250.6	50 372.6	8.0 W	360 lm	A++	85×85	48	50	13 198	13 199		
50 253.6	50 373.6	14.5 W	675 lm	A <sup>++</sup>	85×85	100	50	13 144	13 169		

Interior colour in matt alum. Code number .2



Interior colour in matt brass Code number .4



Interior colour in matt copper Code number .6







# LED ceiling-mounted downlights

A series of very efficient LED ceiling-mounted downlights with symmetrical wide beam or asymmetrical wide beam light distribution.

This series sets new standards in terms of cost-effectiveness and compact design.

These surface-mounted ceiling luminaires are suitable for lighting applications in private homes and wherever representative, brilliant luminaires with efficient LED technology are requested.

These luminaires can be found on our website in other dimensions and light outputs for solving major lighting applications.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.





# LED ceiling-mounted downlights

Lighting technology: Luminaires with symmetrical wide beam

or asymmetrical wide beam light distribution Colour temperature 3000 K,

Colour temperature 3000 K, corresponds to warm white Article number + **K3** 

Protection class: IP 65

Material: Cast aluminium, aluminium and stainless steel

Safety glass

Reflector surface made of pure aluminium

Finish: White enamel finish





LED ceiling-mounted downlights · symmetrical wide beam										
	LED		PSU	EEC	А	В				
50 166.1	4.3 W	345 lm	On/off	A++	95×95	90				
50 167.1	11.0 W	745 lm	On/off	A++	95×95	90				
50 168.1	21.0 W	1515 lm	DALI	A++	130×130	100				



LED ceiling-mounted downlights · asymmetrical wide beam										
	LED		PSU	EEC	А	В				
50 413.1	4.3 W	275 lm	On/off	A++	95×95	90				
50 414.1	11.0 W	535 lm	On/off	A++	95×95	90				
50 415.1	21.0 W	1355 lm	DALI	A++	130×130	100				



# LED ceiling luminaires with wide beam light distribution

LED ceiling luminaires with wide beam light distribution in various sizes that are characterised by a very low height and compact dimensions.

Hand-blown, three-ply opal glass with a concave bottom side for soft and pleasantly uniform distribution of the light and high visual comfort.

High-quality LED luminaires that unite our hand-crafted glass with the modern lighting technology.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.



Concave interior surface of the frosted opal glass





# LED ceiling luminaires

Lighting technology: Luminaires with wide beam light distribution

Colour temperature 3000 K, corresponds to warm white Article number + K3

Material: Aluminium and stainless steel

Satin matt hand-blown opal glass

Finish: White enamel, stainless steel or

polished aluminium



LED ceiling luminaires · White enamel finish											
	LED		PSU	EEC	А	В					
23 846.1	4.5 W	260 lm	On/off	A++	100	95					
23 966.1	7.6 W	565 lm	On/off	A++	120	95					
23 967.1	12.0 W	940 lm	DALI	A++	140	110					
34 021.1	17.1 W	1265 lm	DALI	A++	190	130					

LED:::	1,	04-!					
LED Celli	ng iuminai	res · <b>Stain</b>	iess stee	) I			
	LED		PSU	EEC	Α	В	
23 846.2	4.5 W	260 lm	On/off	A++	100	95	
23 966.2	7.6 W	565 lm	On/off	A++	120	95	
23 967.2	12.0 W	940 lm	DALI	A++	140	110	
34 021.2	17.1 W	1265 lm	DALL	Δ++	190	130	

LED ceilir	LED ceiling luminaires · Polished aluminium										
	LED		PSU	EEC	Α	В					
23 846.3 23 966.3 23 967.3	4.5 W 7.6 W	260 lm 565 lm 940 lm	0.1, 0.1	A++ A++ A++	100 120 140	95 95 110					
34 021.3		1265 lm	D, 1	A++	190	130					

White enamel finish Code number .1



S/steel · Code number .2







# LED ceiling luminaires with wide beam light distribution

LED ceiling luminaires with wide beam light distribution in various sizes that are characterised by a very low height and compact dimensions. These luminaires feature thick, handcrafted partially frosted crystal glass with impressive and multi-faceted light graphics. They combine our glass-making skills with efficient lighting technology in luminaires of noble charm. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the



luminous flux.



#### LED ceiling luminaires

Lighting technology: Luminaires with wide beam light distribution

Colour temperature 3000 K, corresponds to warm white Article number + K3

Material: Aluminium and stainless steel Partially frosted crystal glass

Partially trosted crystal glass
Reflector made of pure anodised aluminium

Velvet white enamel or stainless steel

Finish:

# LED ceiling luminaires · Velvet white enamel finish LED PSU EEC A B 50 565.1 9.7 W 690 lm On/off A++ 120 75 50 567.1 13.5 W 1035 lm On/off A++ 135 80 50 568.1 13.5 W 1035 lm DALI A++ 135 80 50 570.1 20.0 W 1950 lm DALI A++ 180 95

LED ceilir	ng luminai	res · <b>Stain</b>	less stee	el			
	LED		PSU	EEC	Α	В	
50 565.2 50 567.2	· · · · · ·	690 lm 1035 lm	On/off On/off	A++ A++	120 135		
50 568.2 50 570.2		1035 lm 1950 lm	DALI DALI	A++ A++	135 180	80 95	

Velvet white enamel finish Code number .1







# LED ceiling luminaires Direct and indirect light distribution

Downlights in various sizes and finishes with direct and indirect light distribution. An integral reflector produces the direct downward-directed light. At the same time, part of the diffuse light is used to illuminate the

luminaire glass and to produce a degree of vertical illuminance.

The dual light distribution lends these luminaires their excellent visual comfort. They combine our glass-making skills with efficient lighting technology in luminaires of noble charm. We supply these downlights with an integral DALI power supply unit and in different sizes.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.





## LED ceiling luminaires

Lighting technology: Luminaires with direct and indirect light distribution

Colour temperature 3000 K, corresponds to warm white Article number + K3

Material: Luminaire housing made of cast aluminium

Satin matt opal glass

Reflector made of pure anodised aluminium

Velvet white enamel, stainless steel or velvet black enamel



Finish:

 LED ceiling luminaires · Velvet white enamel finish

 LED
 PSU
 EEC
 A
 B

 50 517.1
 9.7 W
 920 lm
 DALI
 A++
 120
 170

 50 519.1
 13.5 W
 1150 lm
 DALI
 A++
 135
 185

 50 521.1
 20.0 W
 2040 lm
 DALI
 A++
 180
 230

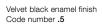
LED ceiling luminaires · Stainless steel										
	LED		PSU	EEC	Α	В				
50 517.2	9.7 W	920 lm	DALI	A++	120	170				
50 519.2	13.5 W	1150 lm	DALI	A++	135	185				
50 521.2	20.0 W	2040 lm	DALI	A++	180	230				

LED ceilir	LED ceiling luminaires · Velvet black enamel finish										
	LED		PSU	EEC	Α	В					
50 517.5	9.7 W	920 lm	DALI	A++	120	170					
50 519.5	13.5 W	1150 lm	DALI	A++	135	185					
50 521.5	20.0 W	2040 lm	DALI	A++	180	230					

Velvet white enamel finish Code number .1



S/steel · Code number .2







# LED ceiling luminaires · Downlights Wide beam light distribution

Downlights in various sizes and finishes with wide beam light distribution. These luminaires feature thick, handcrafted partially frosted crystal glass with impressive and multi-faceted light graphics. They combine our glass-making skills with efficient lighting technology in luminaires of noble charm. We supply these downlights with an integral DALI power supply unit and in different sizes.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.





LED ceiling luminaires · Downlights

Lighting technology: Luminaires with wide beam light distribution

Colour temperature 3000 K, corresponds to warm white Article number + **K3** 

Material: Luminaire housing made of cast aluminium

Partially frosted crystal glass

Reflector made of pure anodised aluminium

Finish: Velvet white enamel or stainless steel

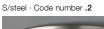
В .

LED ceiling luminaires · Velvet white enamel finish											
	LED		PSU	EEC	Α	В					
50 511.1	9.7 W	765 lm	DALI	A++	120	135					
50 513.1	13.5 W	955 lm	DALI	A++	135	145					
50 515.1	20.0 W	1700 lm	DALI	A++	180	175					

LED ceiling luminaires · Stainless steel										
	LED		PSU	EEC	Α	В				
50 511.2	9.7 W	765 lm	DALI	A++	120	135				
50 513.2	13.5 W	955 lm	DALI	A++	135	145				
50 515.2	20.0 W	1700 lm	DALI	A++	180	175				

Velvet white enamel finish Code number .1







# STUDIO LINE Shielded LED ceiling luminaires

These LED ceiling luminaires belong to the luminaire series STUDIO LINE. These luminaires combine our economical and reliable LED technology with various metallic enamels for a fascinating interplay. We offer these luminaires in six colour combinations to match your interior – you can choose between a velvet white or velvet black exterior finish and between aluminium, copper or brass as the interior colour.

Particularly when illuminated, the metallic interior colours contrast with the exterior finish to reveal all their beauty.

The light from these ceiling luminaires is shielded to the outside. It is directed downwards by hand-blown three-ply opal glass inside the luminaire housing to provide a pleasantly soft lighting atmosphere with high visual comfort. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.





STUDIO LINE LED ceiling luminaires

Lighting technology: Luminaires with shielded light

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Material: Luminaire housing made of metal

Satin matt hand-blown opal glass

Finish: Enamel optionally in velvet black or velvet white

Interior colour available in the 3 finishes: matt aluminium  $\cdot$  matt brass  $\cdot$  matt copper



 Velvet black
 Velvet white
 LED
 PSU
 EEC
 A
 B

 50 174.2
 50 363.2
 15.8 W
 670 lm
 On/off
 A++
 260
 105

 Velvet black
 Velvet white
 LED
 PSU
 EEC
 A
 B

 50 174.4
 50 363.4
 15.8 W
 630 lm
 On/off
 A<sup>++</sup>
 260
 105

 LED ceiling luminaires · Interior colour in matt copper

 Velvet black
 Velvet white
 LED
 PSU
 EEC
 A
 B

 50 174.6
 50 363.6
 15.8 W
 600 lm
 On/off
 A<sup>++</sup>
 260
 105

Interior colour in matt aluminium Code number .2



Interior colour in matt brass Code number .4



Interior colour in matt copper Code number .6





STUDIO LINE Shielded LED ceiling luminaires

These LED ceiling luminaires belong to the luminaire series STUDIO LINE. These luminaires combine our economical and reliable LED technology with various metallic enamels for a fascinating interplay. We offer these luminaires in six colour combinations to match your interior – you can choose between a velvet white or velvet black exterior finish and between aluminium, copper or brass as the interior colour. Particularly when illuminated, the metallic interior colours contrast with the exterior finish to reveal all their beauty.

The light directed downwards from these downward-directed ceiling luminaires is shielded to the outside by a luminaire housing with cylindrical layout. You will find luminaires with this design but a square luminaire housing on Page 172.

These are luminaires which will impress you through a minimum LED service life of  $50\,000$  hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.





STUDIO LINE LED ceiling luminaires

Lighting technology: Luminaires with light distribution directed downwards

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Material: Luminaire housing made of metal

Finish: Enamel optionally in velvet black or velvet white

Interior colour available in the 3 finishes: matt aluminium · matt brass · matt copper





LED ceiling luminaires · Interior colour in matt aluminium EEC Velvet black Velvet white LED PSU В Α 6.6 W 315 lm On/off 10.6 W 445 lm On/off 50 182.2 50 359.2 A++ 80 115 À++ 50 183.2 100 135 50 360.2

LED ceiling	g luminaires · I	nterior co	our in ma	att brass				
Velvet black	Velvet white	LED		PSU	EEC	А	В	
50 182.4	50 359.4	6.6 W	310 lm	On/off	A++	80	115	
50 183.4	50 360.4	10.6 W	405 lm	On/off	A++	100	135	

LED ceiling luminaires · Interior colour in matt copper									
Velvet black Vel	vet white LED		PSU	EEC	Α	В			
50 182.6 50	<b>359.6</b> 6.6 W	310 lm	On/off	A++	80	115			
50 183.6 50	360.6 10.6 W	365 lm	On/off	A++	100	135			

Interior colour in matt aluminium Code number .2



Interior colour in matt brass



Interior colour in matt copper Code number .6





STUDIO LINE Shielded LED ceiling luminaires

These LED ceiling luminaires belong to the luminaire series STUDIO LINE. These luminaires combine our economical and reliable LED technology with various metallic enamels for a fascinating interplay. We offer these luminaires in six colour combinations to match your interior – you can choose between a velvet white or velvet black exterior finish and between aluminium, copper or brass as the interior colour. Particularly when illuminated, the metallic interior colours contrast with the exterior finish to reveal all their beauty.

The light directed downwards from these downward-directed ceiling luminaires is shielded to the outside by a luminaire housing with square layout. You will find luminaires with this design but a cylindrical luminaire housing on Page 170. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.



STUDIO LINE LED ceiling luminaires

Lighting technology: Luminaires with light distribution directed downwards

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Material: Luminaire housing made of metal

Finish: Enamel optionally in velvet black or velvet white

Interior colour available in the 3 finishes: matt aluminium · matt brass · matt copper



• А •



LED ceiling luminaires · Interior colour in matt aluminium										
Velvet black	Velvet white	LED		PSU	EEC	Α	В			
50 184.2 50 185.2	50 361.2 50 362.2		290 lm 380 lm		A++ A++		115 140			

LED ceiling luminaires · Interior colour in matt brass										
Velvet black	Velvet white	LED		PSU	EEC	А	В			
50 184.4	50 361.4	6.6 W	280 lm	On/off	A++	85	115			
50 185 4	50 362 4	10.6 W	345 lm	On/off	Δ++	105	140			

LED ceiling luminaires · Interior colour in matt copper										
Velvet black	Velvet white	LED		PSU	EEC	Α	В			
50 184.6	50 361.6	6.6 W	230 lm	On/off	A++	85	115			
50 185.6	50 362.6	10.6 W	315 lm	On/off	A++	105	140			

Interior colour in matt aluminium Code number .2

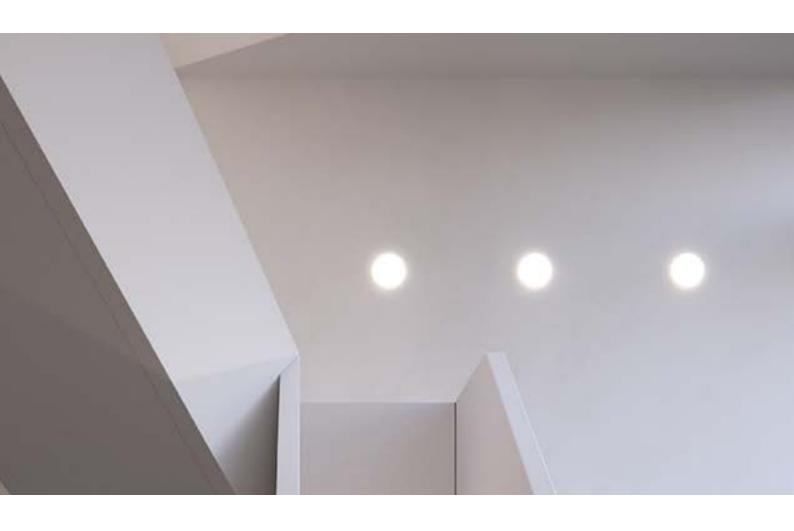


Interior colour in matt brass Code number .4



Interior colour in matt copper





A series of luminaires for installation on ceilings and walls. Luminaires with beautiful crystal glass in various sizes. The white interior of the glass appears to be embedded in the clear crystal glass.

This blending ensures a pleasantly soft light with a brilliant effect. The luminaires seem to create their light graphics without a luminaire housing. Metal elements carefully integrated in the glass close the lamp area by means of a reliable bayonet closure. Whether as single luminaires or arranged in a formation, this "light made of glass" series enhances the lighting of any interior.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.





Lighting technology: Luminaires with unshielded light distribution Colour temperature 3000 K, corresponds to warm white

Article number + K3

Luminaire fitting made of metal Crystal glass, inside white Material:

Finish: Luminaire fitting with white enamel finish



	LED		PSU	EEC	Α	В	
50 194	8.0 W	550 lm	AC module	A++	200	75	
78 634	9.2 W	850 lm	On/off	A++	250	85	
78 635	13.6 W	1140 lm	On/off	A++	300	90	



Expertly hand-crafted glass combined with cost-effective and durable technology: These new ceiling and wall luminaires, available in various sizes and with different light outputs, offer a broad spectrum of planning options.

A new feature in this series is the optional choice between different light outputs with the same diameter. This additional option means that both output and number of luminaires can be used as factors in the lighting planning and room design. They are solid, reliable lighting tools that will continue to do their job over long operating periods. Perfect proportions and impressive luminaire glass make these luminaires elegant and durable elements of interior design.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the

On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.

table might change as a result of technical progress.



Lighting technology: Luminaires with unshielded light distribution Colour temperature 3000 K, corresponds to warm white

Article number + K3

Luminaire fitting made of metal Hand-blown opal glass Material:

Finish: Luminaire fitting with white enamel finish



	LED		PSU	EEC	Α	В	С	
23 296	10.2 W	810 lm	On/off	A++	350	85	240	
23 410	13.6 W	1090 lm	On/off	A++	350	85	240	
23 414	20.0 W	1650 lm	On/off	A++	420	95	280	
12 163	29.4 W	2130 lm	DALI	A++	420	95	280	



Compact LED indoor luminaires with unshielded light are suitable for use as ceiling and wall luminaires. Elegant luminaire housings without visible screw connections. A cast aluminium housing with three different finishes, thick-walled crystal glass, the LED technology used and a high protection class of IP 65 make these luminaires long-lasting and cost-effective components of interior design. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.







Crystal glass, inside white

White enamel finish Code number .1



S/steel · Code number .2



Chrome  $\cdot$  Code number .3



Lighting technology: Luminaires with unshielded light distribution

Colour temperature 3000 K, corresponds to warm white Article number + **K3** 

Protection class: IP 65

Material: Luminaire housing made of metal

Crystal glass, inside white

Finish: White enamel, stainless steel or chrome



LED ceiling and wall luminaires · White enamel										
	LED		PSU	EEC	Α	В				
50 535.1 50 536.1		390 lm 700 lm		A++ A++	160 210					

LED ceiling and wall luminaires · Stainless steel										
	LED		PSU	EEC	Α	В				
50 535.2	5.8 W	390 lm	On/off	A++	160	65				
50 536.2	9.0 W	700 lm	On/off	A++	210	70				

LED ceiling and wall luminaires · Chrome										
	LED		PSU	EEC	Α	В				
50 535.3	5.8 W	390 lm	On/off	A++	160	65				
50 536.3	9.0 W	700 lm	On/off	A++	210	70				



Classic, timeless indoor luminaires with a new interpretation: With its contemporary timeless design and modern lighting technology, this series of luminaires continues a long tradition. In captivating quality, this series presents high-precision metal housings, exquisite finishes and hand-blown satin matt opal glass. Designed optionally for use on ceilings or on walls. These luminaires are suitable in particular for arranging in groups. They can be used for many indoor lighting applications. These luminaires with protection class IP 44 plus conformance

These luminaires with protection class IP 44 plus conformance according to VDE 0100 are perfect for use as bathroom lighting. They are solid, reliable lighting tools that will continue to do their job over long operating periods.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.



### LED ceiling and wall luminaires

Lighting technology: Luminaires with unshielded light distribution

Colour temperature 3000 K, corresponds to warm white Article number + **K3** 

Protection class: IP 44

Material: Luminaire housing made of metal

Satin matt opal glass

Finish: Stainless steel or chrome



LED ceiling and wall luminaires · Stainless steel										
	LED		PSU	EEC	Α	В	С			
23 392.2	7.7 W	535 lm	On/off	A++	175	175	70			
50 662.2	12.0 W	1080 lm	On/off	A++	200	200	90			
50 663.2	22.8 W	2090 lm	On/off	A++	275	275	95			
50 664.2	12.0 W	1080 lm	DALI	A++	200	200	90			
50 665.2	22.8 W	2090 lm	DALI	A++	275	275	95			

LED ceiling and wall luminaires · Chrome										
	LED		PSU	EEC	Α	В	С			
23 392.3	7.7 W	535 lm	On/off	A++	175	175	70			
50 662.3	12.0 W	1080 lm	On/off	A++	200	200	90			
50 663.3	22.8 W	2090 lm	On/off	A++	275	275	95			
50 664.3	12.0 W	1080 lm	DALI	A++	200	200	90			
50 665.3	22.8 W	2090 lm	DALI	A++	275	275	95			



Chrome · Code number .3





# LED wall luminaires with directed light

LED wall luminaires in compact dimensions for various installation heights. Luminaires in different sizes and light outputs.

As single luminaires for marking danger areas e.g. on stairs and steps or in rows for illuminating corridors and passageways in private areas.

Luminaires with low connected wattage values that impress through their durable LED technology as well as their elegance.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.









LED wall luminaires

Lighting technology: Luminaires with directed light

Colour temperature 3000 K, corresponds to warm white Article number + K3

Material: Luminaire housing made of cast aluminium

Safety glass, inside white

Finish: White enamel or stainless steel



LED wall luminaires · White										
	LED		PSU	EEC	Α	В	С			
78 047.1	3.4 W	190 lm	On/off	A++	90	100	55			
78 052.1	6.2 W	340 lm	On/off	A++	175	100	55			
50 071.1	8.0 W	645 lm	On/off	A++	175	100	55			

LED wall luminaires · Stainless steel										
LED PSU EEC A B C										
78 047.2	3.4 W	190 lm	On/off	A++	90	100	55			
78 052.2	6.2 W	340 lm	On/off	A++	175	100	55			
50 071.2	8.0 W	645 lm	On/off	A++	175	100	55			

White enamel finish Code number .1







# LED wall luminaires for light in two directions

LED technology opens up new possibilities for the development of new luminaire designs. These are small, compact and cost-effective luminaires that distribute their light upwards and downwards on the wall.

Two crystal glass elements enhance the high-precision housings made of cast aluminium and lend them their distinctive character.

Various sizes and three different finishes let you coordinate the luminaires with the respective room and lighting situation.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.







LED wall luminaires

Lighting technology: Luminaires for light in two directions

Colour temperature 3000 K, corresponds to warm white Article number + **K3** 

Luminaire housing made of cast aluminium Crystal glass, inside white Material:

Finish: White enamel, stainless steel or chrome



LED wall luminaires · White enamel											
	LED PSU EEC A B C										
23 013.1	6.0 W	220 lm	On/off	A++	90	105	55				
23 015.1	10.5 W	470 lm	On/off	A++	175	105	55				
50 072.1	15.6 W	710 lm	On/off	A++	175	105	55				

LED wall luminaires · Stainless steel											
	LED		PSU	EEC	Α	В	С				
23 013.2	6.0 W	220 lm	On/off	A++	90	105	55				
23 015.2	10.5 W	470 lm	On/off	A++	175	105	55				
50 072.2	15.6 W	710 lm	On/off	A++	175	105	55				

LED wall luminaires · Chrome										
	LED		PSU	EEC	Α	В	С			
23 013.3	6.0 W	220 lm	On/off	A++	90	105	55			
23 015.3	10.5 W	470 lm	On/off	A++	175	105	55			
50 072.3	15.6 W	710 lm	On/off	A++	175	105	55			

White enamel finish Code number .1



S/steel · Code number .2



Chrome · Code number .3





# LED wall luminaires for light in two directions

Compact LED wall luminaires with light emission in two directions.

Thick-walled brilliant crystal glass characterises the design of these luminaires.

Whether as single luminaires or lined up in rows: They illuminate and accentuate many situations in the room.

Various finishes, light outputs and dimensions let you coordinate the luminaires with the respective room and lighting situation.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.





White enamel finish Code number .1



Palladium enamel finish Code number .4



Velvet black enamel finish Code number .5



LED wall luminaires

Lighting technology: Luminaires for light in two directions Colour temperature 3000 K,

corresponds to warm white Article number + **K3** 

Luminaire housing made of cast aluminium Crystal glass, inside white Material:

Finish: White, palladium or velvet black enamel



LED wall luminaires · White enamel										
	LED		PSU	EEC	Α	В	С			
50 063.1	9.5 W	515 lm	On/off	A++	90	120	100			
50 064.1	19.5 W	955 lm	DALI	A++	120	150	130			

LED wall luminaires · Palladium enamel											
	LED		PSU	EEC	Α	В	С				
50 063.4	9.5 W	515 lm	On/off	A++	90	120	100				
<b>50 064.4</b> 19.5 W 955 lm DALI A++ 120 150 130											

LED wall luminaires · Velvet black enamel										
	LED		PSU	EEC	Α	В	С			
50 063.5	9.5 W	515 lm	On/off	A++	90	120	100			
<b>50 064.5</b> 19.5 W 955 lm DALI A <sup>++</sup> 120 150 130										



### LED wall luminaires

These are small, compact and cost-effective LED wall luminaires that distribute their light upwards or downwards on the wall depending on their direction of installation. Expertly hand-crafted crystal glass enhances the high-precision housings made of cast aluminium and provides pleasant illumination with brilliant accents. Various finishes, light outputs and dimensions let you coordinate the luminaires with the respective room and lighting situation.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

The luminaires can be installed in any burning position.







# LED wall luminaires

Lighting technology: Luminaires with light directed downwards or upwards

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Material: Luminaire housing made of cast aluminium

Crystal glass, inside white

Finish: White enamel, stainless steel or chrome



LED wall	luminaires · W	hite en	amel								
		LED		PSU	EEC	Α	В	С	D		
23 374.1	Rectangular	5.7 W	120 lm	On/off	A++	95	65	130	50		
23 263.1 23 264.1	Round Round	3.0 W 5.7 W	60 lm 160 lm	On/off On/off	A++ A++	80 100	55 65	125 145	45 50		
LED wall luminaires · Stainless steel											
		LED		PSU	EEC	А	В	С	D		
23 374.2	Rectangular		120 lm	PSU On/off	EEC A++	A 95	B 65	C 130	D 50		
23 374.2 23 263.2 23 264.2	Rectangular Round Round		120 lm 60 lm 160 lm								
23 263.2 23 264.2	Round	5.7 W 3.0 W 5.7 W	60 lm	On/off On/off	A++ A++	95 80	65 55	130 125	50 45		
23 263.2 23 264.2	Round Round	5.7 W 3.0 W 5.7 W	60 lm	On/off On/off	A++ A++	95 80	65 55	130 125	50 45		

**23 263.3** Round 3.0 W 60 lm On/off A<sup>++</sup> 80 55 125 45 **23 264.3** Round 5.7 W 160 lm On/off A<sup>++</sup> 100 65 145 50

White enamel finish Code number .1



S/steel · Code number .2



Chrome · Code number .3







#### Unshielded LED wall luminaires

Unshielded LED wall luminaires for numerous applications indoors. Hand-blown three-ply opal glass, in which a wafer thin opalescent layer is molten between two layers of crystal glass, produces a soft distribution of light with high visual comfort. Metal shields with various finishes are gently embedded in the luminaire glass for its accentuation. Individually or in groups, these luminaires with their impressive contrasting effect provide atmospheric light for designing indoor areas. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.





LED wall luminaires

Lighting technology: Luminaires with unshielded light

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Material: Luminaire fitting made of metal

Hand-blown opal glass

Finish: Metal shield in white enamel, chrome or velvet black enamel





LED wall luminaires · rounded											
	Metal shield	LED		PSU	EEC	Α	В				
12 209.1	White	10.5 W	550 lm	On/off	A++	200	50				
12 210.1	White	20.0 W	1170 lm	DALI	A++	320	60				
12 209.3	Chrome	10.5 W	550 lm	On/off	A++	200	50				
12 210.3	Chrome	20.0 W	1170 lm	DALI	A++	320	60				
12 209.5	Velvet black	10.5 W	550 lm	On/off	A++	200	50				
12 210.5	Velvet black	20.0 W	1170 lm	DALI	A++	320	60				





LED wall	luminaires · cyl	indrical						
	Metal shield	LED		PSU	EEC	Α	В	
50 093.1	White	10.5 W	525 lm	On/off	A++	200	50	
50 094.1	White	20.0 W	1185 lm	DALI	A++	320	60	
50 093.3	Chrome	10.5 W	525 lm	On/off	A++	200	50	
50 094.3	Chrome	20.0 W	1185 lm	DALI	A++	320	60	
50 093.5	Velvet black	10.5 W	525 lm	On/off	A++	200	50	
50 094.5	Velvet black	20.0 W	1185 lm	DALI	A++	320	60	

White enamel finish Code number .1





Velvet black enamel finish Code number .5





LED wall luminaires

LED luminaires, optionally unshielded or with metal shields in various finishes, with glare suppression to the front and direction of the light upwards and downwards. Wall luminaires with handblown opal glass, which convince through their pleasant light. Singly or in groups, these luminaires with their beautiful contrasting effect provide atmospheric light for designing indoor areas. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.





Unshielded Satin matt opal glass



Shielded Opal glass with metal shield

White enamel finish Code number .1



S/steel · Code number .2



Polished stainless steel Code number .3



#### PRIMA

LED wall luminaires

Lighting technology: Luminaires with unshielded

or shielded light

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Material: Luminaire fitting made of metal

Satin matt opal glass

Finish: Metal shield in white enamel, stainless steel

or polished stainless steel



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	LED		PSU	EEC	Α	В	С	
50 262	12 W	905 lm	AC module	A++	250	100	110	
50 263	24 W	1745 lm	AC module	A++	350	100	125	



Shielded	I · Metal	shield in <b>v</b>	vhite enamel					
	LED		PSU	EEC	Α	В	С	
50 264.1	12 W	510 lm	AC module	A++	255	100	110	
50 265.1	24 W	1280 lm	AC module	A++	355	100	125	

Shielded	I · Metal	shield in s	tainless stee	l				
	LED		PSU	EEC	Α	В	С	
			AC module	A++		100		
50 265.2	24 W	1280 lm	AC module	A++	355	100	125	

Shielded · Metal shield in polished stainless steel								
	LED		PSU	EEC	Α	В	С	
50 264.3	12 W	510 lm	AC module	A++	255	100	110	
50 265.3	24 W	1280 lm	AC module	A++	355	100	125	



LED wall luminaires for light in two directions

Cost-effective LED wall luminaires that distribute their light upwards and downwards on the wall. Crystal glass with a white interior enhances the high-precision housings made of cast aluminium and lends them their distinctive character. Various finishes, light outputs and dimensions let you coordinate the luminaires with the respective room and lighting situation. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.



White enamel finish Code number .1



S/steel · Code number .2



Chrome · Code number .3



#### LED wall luminaires

Lighting technology: Luminaires for light in two directions Colour temperature 3000 K,

corresponds to warm white Article number + K3

Luminaire housing made of cast aluminium Crystal glass, inside white Material:

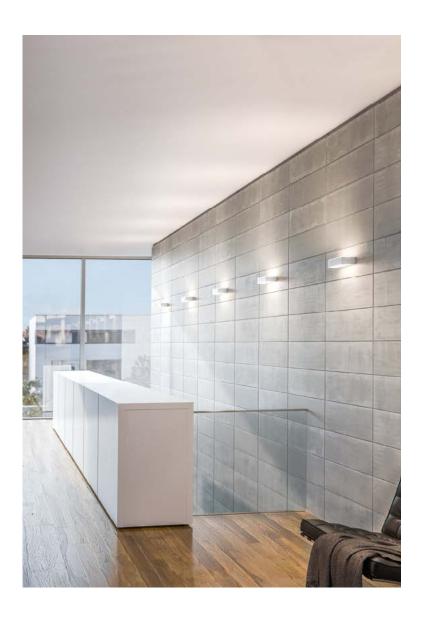
Finish: White enamel, stainless steel or chrome



LED wall	luminaires	· White	enamel					
	LED		PSU	EEC	Α	В	С	
12 282.1	10.7 W	390 lm	On/off	A++	200	60	110	
12 283.1	15.7 W	690 lm	On/off	A++	300	60	130	

LED wall	luminaires	· Stainle	ss steel					
	LED		PSU	EEC	Α	В	С	
12 282.2	10.7 W	390 lm	On/off	A++	200	60	110	
12 283.2	15.7 W	690 lm	On/off	A++	300	60	130	

LED wall	luminaires	· Chrom	е					
	LED		PSU	EEC	Α	В	С	
12 282.3	10.7 W	390 lm	On/off	A++	200	60	110	
12 283.3	15.7 W	690 lm	On/off	A++	300	60	130	

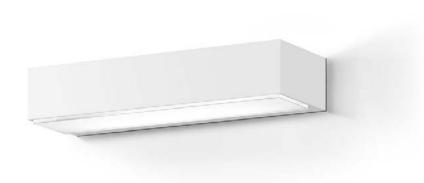


LED wall luminaires for light in two directions

Cost-effective LED wall luminaires that distribute their light upwards and downwards on the wall. Two crystal glass elements enhance the high-precision housings made of cast aluminium and lend them their distinctive character.

Various finishes, light outputs and dimensions let you coordinate the luminaires with the respective room and lighting situation.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.



LED wall luminaires
Lighting technology

Lighting technology: Luminaires for light in two directions

Colour temperature 3000 K, corresponds to warm white Article number + **K3** 

Material: Luminaire housing made of cast aluminium

Crystal glass, inside white

Finish: White or palladium enamel

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LED wall	luminaires	· White	enamel					
	LED		PSU	EEC	А	В	С	
12 277.1 12 278.1				A++ A++	200 300			

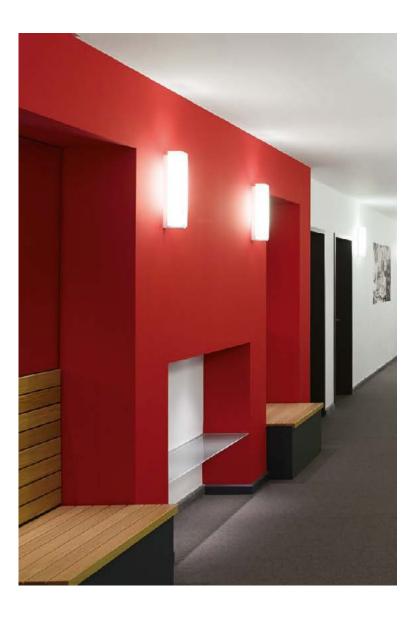
LED wall luminaires · Palladium enamel								
	LED		PSU	EEC	Α	В	С	
12 277.4 12 278.4				A++ A++	200 300			

White enamel finish Code number .1



Palladium enamel finish Code number .4





#### Unshielded LED wall luminaires

Unshielded LED wall luminaires in various sizes. Open wall luminaires with rectangular glass cross-section and fascinating light graphics.

Hand-blown luminaire glass made of three-ply opal glass transforms these luminaires into elegant elements of interior design. And as solid and reliable lighting tools they will provide very cost-effective service over long operating periods.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.



LED wall luminaires

Lighting technology: Luminaires with unshielded light Colour temperature 3000 K, corresponds to warm white Article number + K3

Material:

Luminaire fitting made of metal Satin matt hand-blown opal glass

Finish: Matt aluminium



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	LED		PSU	EEC	Α	В	С	D	
50 137.2	12.0 W	880 lm	AC module	A++	100	175	90	35	
50 138.2	15.0 W	1115 lm	on/off	A++	100	290	115	35	
50 139.2	19.0 W	1570 lm		A++		425	115	35	
50 140.2	22.8 W	1840 lm	DALI	A++	100	560	115	35	







#### Unshielded LED wall luminaire

A luminaire with pleasant and impressive light graphics. Almost invisible glass supports hold the satin matt hand-blown opal glass. These are high-quality luminaires with a pleasantly soft light distribution for the highest light quality indoors. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.



LED wall luminaire

Lighting technology: Luminaire with unshielded light

Colour temperature 3000 K, corresponds to warm white Article number + **K3** 

Material: Luminaire fitting made of metal

Satin matt hand-blown opal glass

Finish: Stainless steel

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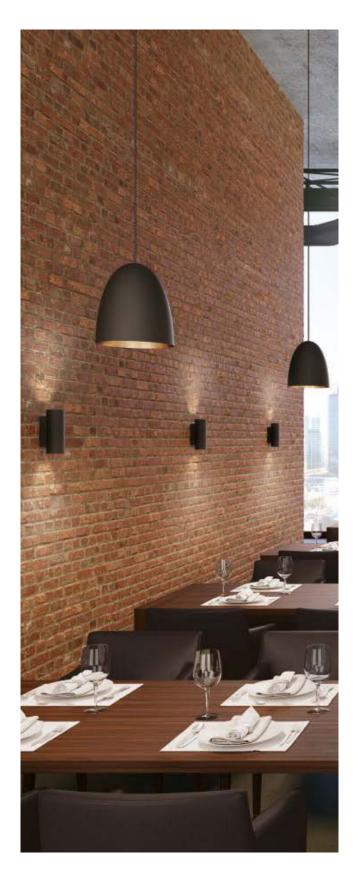
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 LED
 PSU
 EEC
 A
 B
 C

 50 066.2
 12 W 980 lm
 AC module
 A<sup>++</sup>
 140
 170
 170



Satin matt hand-blown opal glass Luminaire fitting Stainless steel finish





Depending on the surface colour on the inside of these luminaires, the result is light with a neutral or warm colour temperature.

STUDIO LINE LED wall luminaires Bidirectional light

These LED wall luminaires belong to the luminaire series STUDIO LINE. These luminaires combine our economical and reliable LED technology with various metallic enamels for a fascinating interplay.

We offer these luminaires in six colour combinations to match your interior – you can choose between a velvet white or velvet black exterior finish and between aluminium, copper or brass as the interior colour.

Particularly when illuminated, the metallic interior colours contrast with the exterior finish to reveal all their beauty. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.



STUDIO LINE LED wall luminaires

Lighting technology: Luminaires for light in two directions

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Material: Luminaire housing made of metal

Reflector made of pure anodised aluminium

Finish: Enamel optionally in velvet black or velvet white

> Interior colour available in the 3 finishes:  $\text{matt aluminium} \cdot \text{matt brass} \cdot \text{matt copper}$

8

#### Wall luminaires · Interior colour in matt aluminium Velvet black Velvet white LED PSU EEC В С Α 12 W 380 lm AC module 16 W 595 lm AC module 50 130.2 A++ 50 347.2 80 210 110 A++ 50 212.2 50 348.2 100 250 130

Wall luminaires · Interior colour in matt brass										
Velvet black	Velvet white	LED		PSU	EEC	Α	В	С		
50 130.4	50 347.4	12 W	300 lm	AC module	A++	80	210	110		
50 212.4	50 348.4	16 W	425 lm	AC module	A++	100	250	130		

Wall luminaires · Interior colour in matt copper										
Velvet black	Velvet white	LED		PSU	EEC	Α	В	С		
50 130.6 50 212.6	50 347.6 50 348.6			AC module AC module	A++ A++		210 250			

Interior colour in matt aluminium Code number .2



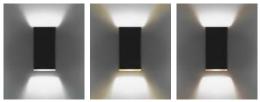
Interior colour in matt brass



Interior colour in matt copper Code number .6







Depending on the surface colour on the inside of these luminaires, the result is light with a neutral or warm colour temperature.

# STUDIO LINE LED wall luminaires Bidirectional light

These LED wall luminaires belong to the luminaire series STUDIO LINE. These luminaires combine our economical and reliable LED technology with various metallic enamels for a fascinating interplay.

We offer these luminaires in six colour combinations to match your interior – you can choose between a velvet white or velvet black exterior finish and between aluminium, copper or brass as the interior colour.

Particularly when illuminated, the metallic interior colours contrast with the exterior finish to reveal all their beauty. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.



STUDIO LINE LED wall luminaires

Lighting technology: Luminaires for light in two directions

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Material: Luminaire housing made of metal

Reflector made of pure anodised aluminium

Finish: Enamel optionally in velvet black or velvet white

> Interior colour available in the 3 finishes:  $\text{matt aluminium} \cdot \text{matt brass} \cdot \text{matt copper}$





Wall lumina	Wall luminaires · Interior colour in matt aluminium										
Velvet black	Velvet white	LED		PSU	EEC	А	В	С			
50 213.2	50 349.2	12 W	370 lm	, 10 1110 000	A++	100	180	90	-		
50 214.2	50 350.2	16 W	485 lm	AC module	A++	120	220	90			

Wall luminaires · Interior colour in matt brass											
В	Α	С									
		-									
1	100	B 80 9 220 9									

Wall lumina	Wall luminaires · Interior colour in matt copper										
Velvet black	Velvet white	LED		PSU	EEC	Α	В	С			
50 213.6	50 349.6			AC module			180				
50 214.6	50 350.6	16 W	430 lm	AC module	A++	120	220	90			

Interior colour in matt aluminium Code number .2



Interior colour in matt brass



Interior colour in matt copper Code number .6





LED pendant luminaires · Downlights Wide beam light distribution

LED pendant luminaires · Downlights in various sizes and finishes with wide beam light distribution. These luminaires feature thick-walled, handcrafted, partially frosted crystal glass with impressive and multi-faceted light graphics. They combine our glass-making skills with efficient lighting technology in luminaires of noble charm. We can supply these downlights in different sizes and light outputs. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.



Canopy



Partially frosted crystal glass



Velvet white enamel finish Code number .1 White cable pendant



S/steel · Code number .2 Black cable pendant



LED pendant luminaires · Downlights

Lighting technology: Luminaires with wide beam light distribution Colour temperature 3000 K, corresponds to warm white Article number +  ${\bf K3}$ 

Material: Luminaire housing made of cast aluminium

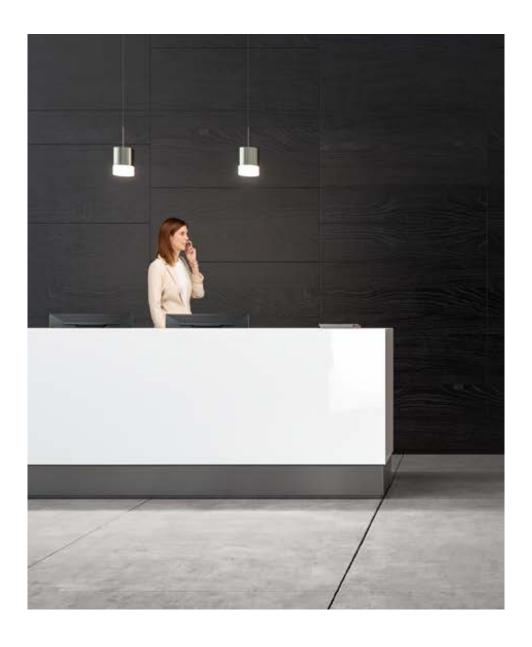
Partially frosted crystal glass

Reflector made of pure anodised aluminium

Velvet white enamel or stainless steel Finish:

Velvet white enamel finish · White cable pendant										
LED PSU EEC A B L										
50 612.1	9.7 W	765 lm	On/off	A++	120	130	2000			
50 613.1 50 614.1		955 lm 1700 lm		A++ A++			3000 3000			

Stainless steel · Black cable pendant										
	LED		PSU	EEC	Α	В	L			
50 612.2	9.7 W	765 lm	On/off	A++	120	130	2000			
50 613.2	13.5 W	955 lm	DALI	A++	135	145	3000			
50 614.2	20.0 W	1700 lm	DALI	A++	180	175	3000			



LED pendant luminaires · Downlights Wide beam light distribution

LED pendant luminaires · Downlights with hand-blown three-ply opal glass and wide beam light distribution. Luminaires in various sizes and finishes. They combine our glass-making skills with efficient lighting technology in luminaires of noble charm. Comfortable light for illumination in rows or in groups.

Several luminaires can be combined in a group at one installation point for the illumination of staircases or high spaces. In this case, we supply the individual luminaires with the required length of cable and a ceiling distributor designed to carry 2 to 6 luminaires.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.





Canopy in luminaire colour

Velvet white enamel finish Code number .1 White cable pendant

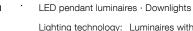


S/steel · Code number .2 Black cable pendant



Velvet black enamel finish Code number .5 Black cable pendant





Lighting technology: Luminaires with wide beam light distribution Colour temperature 3000 K, corresponds to warm white

Article number + K3

Material: Luminaire housing made of aluminium

Satin matt opal glass

Reflector made of pure anodised aluminium

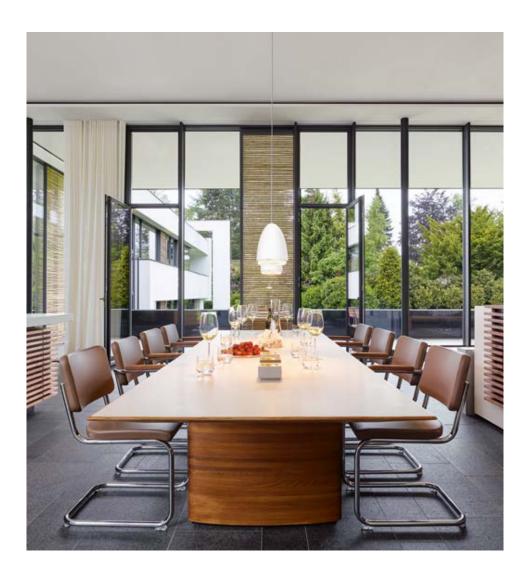
Finish: Velvet white enamel, stainless steel or

velvet black enamel

Velvet white enamel finish · White cable pendant										
	LED		PSU	EEC	Α	В	L			
50 638.1	9.7 W	920 lm	On/off	A++	120	165	2000			
50 639.1 50 640.1		1150 lm 2040 lm		A <sup>++</sup> A <sup>++</sup>			3000 3000			

Stainless steel · Black cable pendant										
	LED		PSU	EEC	Α	В	L			
50 638.2	9.7 W	920 lm	On/off	A++	120	165	2000			
50 639.2 50 640.2				A++ A++			3000 3000			

Velvet black enamel finish · Black cable pendant										
	LED		PSU	EEC	Α	В	L			
50 638.5	9.7 W	920 lm	On/off	A++	120	165	2000			
50 639.5 50 640.5				A++ A++			3000 3000			



### LED pendant luminaires · Downlights

LED luminaires with thick-walled crystal glass and cast luminaire housings. Pendant luminaires with anodised reflectors made of pure aluminium for downward-directed and efficient illumination.

The partial matt finish on the inside of the valuable crystal glass results in optimum glare suppression with high visual comfort in spite of the high degree of illuminance.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.







Canopy in luminaire colour

Luminaire housing finish and canopy options:

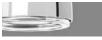
White enamel finish Code number .1



S/steel · Code number .2



Chrome · Code number .3



LED pendant luminaires · Downlights

Lighting technology: Luminaires with directed light distribution Colour temperature 3000 K, corresponds to warm white

Article number + K3

Material: Luminaire housing made of cast aluminium

Reflector made of pure anodised aluminium · Partially frosted crystal glass · Transparent connecting cable

Finish: White enamel, stainless steel or chrome



LED pendant luminaires · White enamel finish										
	LED		PSU	EEC	Α	В	L			
56 538.1	4.3 W	215 lm	On/off	A++	95	125	1500			
50 700.1 50 701.1		1185 lm 1670 lm		A++ A++			2000 2000			

LED pendant luminaires · Stainless steel											
	LED		PSU	EEC	Α	В	L				
56 538.2	4.3 W	215 lm	On/off	A++	95	125	1500				
50 700.2 50 701.2				A++ A++			2000 2000				

LED pendant luminaires · Chrome											
LED			PSU	EEC	Α	В	L				
56 538.3	4.3 W	215 lm	On/off	A++	95	125	1500				
50 700.3 50 701.3				A++ A++			2000 2000				



# STUDIO LINE Shielded LED pendant luminaires

These LED pendant luminaires belong to the luminaire series STUDIO LINE. These luminaires combine our economical and reliable LED technology with various metallic enamels for a fascinating interplay. We offer these luminaires in six colour combinations to match your interior – you can choose between a velvet white or velvet black exterior finish and between aluminium, copper or brass as the interior colour.

Particularly when illuminated, the metallic interior colours contrast with the exterior finish to reveal all their beauty.

Shielded to the outside, the light of these pendant luminaires is directed downwards by hand-blown three-ply opal glass inside the metal reflector to provide a pleasantly soft lighting atmosphere with high visual comfort.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.

Internal hand-blown opal glass







Canopy and cable pendant in luminaire colour

Interior colour in matt aluminium Code number .2



Interior colour in matt brass Code number .4



Interior colour in matt copper Code number .6



# STUDIO LINE

LED pendant luminaires

Lighting technology: Luminaires with shielded light

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Material: Luminaire housing made of metal

Hand-blown opal glass

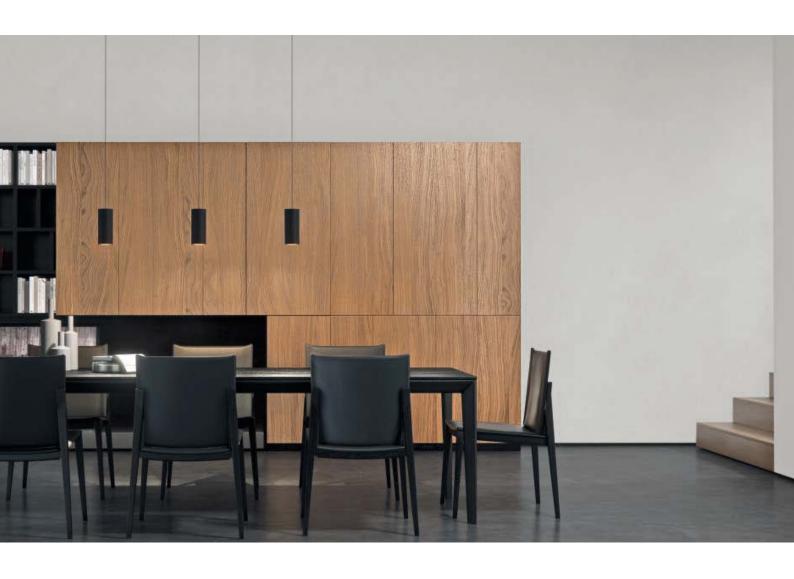
Finish: Enamel optionally in velvet black or velvet white

Interior colour available in the 3 finishes: matt aluminium  $\cdot$  matt brass  $\cdot$  matt copper

Ï	•	LED penda	ant luminaires ·	Interior o	olour in m	natt alum	inium				
		Velvet black	Velvet white	LED		PSU	EEC	Α	В	L	
		56 614.2	50 354.2	11.4 W	520 lm	On/off	A++	145	170	1500	
	L	56 615.2 56 616.2	50 355.2 50 356.2	15.5 W 21.6 W	910 lm 1250 lm	DALI DALI	A++ A++			2000 3000	
$\cap$	В	LED penda	ant luminaires ·	Interior	colour in r	natt bras	ss				
· A ·		Velvet black	Velvet white	LED		PSU	EEC	Α	В	L	

LED penda	ant luminaires ·	Interior colour in matt brass								
Velvet black	Velvet white	LED		PSU	EEC	Α	В	L		
56 614.4	50 354.4	11.4 W	390 lm	On/off	A++	145	170	1500		
56 615.4	50 355.4	15.5 W	755 lm	DALI	A++	200	225	2000		
56 616.4	50 356.4	21.6 W	1005 lm	DALI	A++	255	290	3000		

LED pendant luminaires · Interior colour in matt copper										
Velvet black	Velvet white	LED		PSU	EEC	Α	В	L		
56 614.6	50 354.6	11.4 W	365 lm	On/off	A++	145	170	1500		
56 615.6 56 616.6	50 355.6 50 356.6	15.5 W 21.6 W	635 lm 770 lm	DALI DALI	A++ A++			2000 3000		



# STUDIO LINE Shielded LED pendant luminaires

These LED pendant luminaires belong to the luminaire series STUDIO LINE.

These luminaires combine our economical and reliable LED technology with various metallic enamels for a fascinating interplay.

We offer these luminaires in six colour combinations to match your interior – you can choose between a velvet white or velvet black exterior finish and between aluminium, copper or brass as the interior colour.

Particularly when illuminated, the metallic interior colours contrast with the exterior finish to reveal all their beauty.

The light directed downwards from these pendant luminaires is shielded to the outside by a cylindrical luminaire housing.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.





Canopy and connecting cable in luminaire colour

Interior colour in matt aluminium Code number .2



Interior colour in matt brass Code number .4



Interior colour in matt copper Code number .6



STUDIO LINE

LED pendant luminaires

Lighting technology: Luminaires with shielded light

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Material: Luminaire housing made of metal

Finish: Enamel optionally in velvet black or velvet white

Interior colour available in the 3 finishes: matt aluminium  $\cdot$  matt brass  $\cdot$  matt copper

LED penda	ant luminaires	· Interior o	olour in i	natt alun	ninium			
Velvet black	Velvet white	LED		PSU	EEC	Α	В	L
50 244.2	50 357.2	9.0 W	390 lm	On/off	A++	80	190	1500
50 245.2	50 358.2	15.2 W	600 lm	On/off	A <sup>+</sup>	100	250	1700
LED penda	ant luminaires	· Interior o	olour in i	matt bras	ss			
LED penda	ant luminaires	· Interior o	olour in i	natt bras	s			
Velvet black	Velvet white	LED		PSU	EEC	A	В	L
50 244.4	50 357.4	9.0 W	355 lm	On/off	A++	80	190	1500
50 245.4	50 358.4	15.2 W	400 lm	On/off	Α+	100	250	1700

LED pendant luminaires · Interior colour in matt copper										
Velvet black	Velvet white	LED		PSU	EEC	Α	В	L		
50 244.6	50 357.6	9.0 W	320 lm	On/off	A++	80	190	1500		
50 245.6	50 358.6	15.2 W	385 lm	On/off	A <sup>+</sup>	100	250	1700		
50 244.6	50 357.6	9.0 W		On/off	A++	80	190			



# STUDIO LINE Shielded LED pendant luminaires

These LED pendant luminaires come in various sizes and belong to the STUDIO LINE series. These luminaires combine our economical and reliable LED technology with various metallic enamels for a fascinating interplay.

We offer these luminaires in six colour combinations to match your interior – you can choose between a velvet white or velvet black exterior finish and between aluminium, copper or brass as the interior colour. Particularly when illuminated, the metallic interior colours contrast with the exterior finish to reveal all their beauty. The light directed downwards from these pendant luminaires is shielded to the outside by a cylindrical luminaire housing.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.





Canopy and connecting cable in luminaire colour

Interior colour in matt aluminium Code number .2



Interior colour in matt brass Code number .4



Interior colour in matt copper Code number .6



STUDIO LINE

LED pendant luminaires

Lighting technology: Luminaires with shielded light

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Material: Luminaire housing made of metal

Finish: Enamel optionally in velvet black or velvet white

Interior colour available in the 3 finishes: matt aluminium  $\cdot$  matt brass  $\cdot$  matt copper

0	•	LED penda	int luminaires	Interior c	olour in ı	natt alun	ninium				
		Velvet black	Velvet white	LED		PSU	EEC	Α	В	L	
	:	50 420.2	50 422.2	9.0 W	420 lm	On/off	A++	50	400	2000	
1		50 421.2	50 423.2	12.4 W	460 lm	On/off	A++	60	500	2000	
	L										
1	1 .	LED penda	ınt luminaires	Interior c	olour in ı	matt bras	s				
	В	Velvet black	Velvet white	LED		PSU	EEC	А	В	L	
	В	50 420.4	50 422.4	9.0 W	335 lm	On/off	A++	50	400	2000	
	l	50 421.4	50 423.4	12.4 W	405 lm	On/off	A++	60	500	2000	

LED penda	LED pendant luminaires · Interior colour in matt copper											
Velvet black	Velvet white	LED		PSU	EEC	Α	В	L				
50 420.6 50 421.6	50 422.6 50 423.6		255 lm 320 lm		A++ A++			2000 2000				



# STUDIO LINE Shielded LED pendant luminaires

These LED pendant luminaires come in various sizes and belong to the STUDIO LINE series. These luminaires combine our economical and reliable LED technology with various metallic enamels for a fascinating interplay. We offer these luminaires in six colour combinations to match your interior – you can choose between a velvet black or velvet white exterior finish and between aluminium, copper or brass as the interior colour.

Particularly when illuminated, the metallic interior colours contrast with the exterior finish to reveal all their beauty.

The light from these pendant luminaires is shielded to the outside.

It is directed downwards inside the luminaire housing to provide a pleasantly soft lighting atmosphere with high visual comfort.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.





Canopy, cable pendant and rod suspension in luminaire colour

STUDIO LINE LED pendant luminaires

Lighting technology: Luminaires with shielded light

Colour temperature 3000 K, corresponds to warm white

Article number + K3

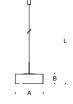
Material: Luminaire housing made of metal

Finish: Enamel optionally in velvet black or velvet white

White synthetic cover

Canopy, cable pendant and rod suspension in luminaire colour

Interior colour available in the 3 finishes: matt aluminium  $\cdot$  matt brass  $\cdot$  matt copper



LED penda	LED pendant luminaires · Interior colour in matt aluminium										
Velvet black	Velvet white	LED		PSU	EEC	А	В	L			
50 246.2	50 351.2	16.0 W	690 lm	On/off	A++	260	105	1750			
50 247.2	50 352.2	0	1640 lm	D, 1	A++		. – -	2000			
50 248.2	50 353.2	48.5 W	2525 lm	DALI	A++	430	145	2000			

LED penda	ant luminaires	Interior c	olour in m	natt brass	3				
Velvet black	Velvet white	LED		PSU	EEC	Α	В	L	
50 246.4	50 351.4	16.0 W	630 lm	On/off	A++	260	105	1750	
50 247.4	50 352.4	31.0 W	1510 lm	DALI	A++	360	120	2000	
50 248.4	50 353.4	48.5 W	2210 lm	DALI	A++	430	145	2000	

. ==									
LED penda	ant luminaires	· Interior o	olour in m	natt copp	er				
Velvet black	Velvet white	LED		PSU	EEC	А	В	L	
50 246.6	50 351.6	16.0 W	570 lm	On/off	A++	260	105	1750	
50 247.6	50 352.6	0	1310 lm	DALI	A++		. — -	2000	
50 248.6	50 353.6	48.5 W	2005 lm	DALI	A++	430	145	2000	

Interior colour in matt aluminium Code number .2



Interior colour in matt brass Code number .4



Interior colour in matt copper Code number .6





# STUDIO LINE Shielded LED pendant luminaires

These LED pendant luminaires come in various sizes and belong to the STUDIO LINE series. These luminaires combine our economical and reliable LED technology with various metallic enamels for a fascinating interplay. We offer these luminaires in six colour combinations to match your interior – you can choose between a velvet black or velvet white exterior finish and between aluminium, copper or brass as the interior colour.

Particularly when illuminated, the metallic interior colours contrast with the exterior finish to reveal all their beauty.

The light from these pendant luminaires is shielded to the outside. It is directed downwards inside the luminaire housing to provide a pleasantly soft lighting atmosphere with high visual comfort. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.





Canopy and cable pendant in luminaire colour

STUDIO LINE LED pendant luminaires

Lighting technology: Luminaires with shielded light

Colour temperature 3000 K, corresponds to warm white

Article number + **K3** 

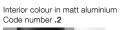
Material: Luminaire housing made of metal

Finish: Enamel optionally in velvet black or velvet white

White synthetic cover

Canopy and cable pendant in luminaire colour

Interior colour available in the 3 finishes: matt aluminium  $\cdot$  matt brass  $\cdot$  matt copper



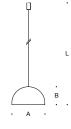


Interior colour in matt brass



Interior colour in matt copper Code number .6





LED penda	LED pendant luminaires · Interior colour in matt aluminium											
Velvet black	Velvet white	LED		PSU	EEC	Α	В	L				
50 501.2	50 547.2	16.0 W	710 lm	On/off	A++	350	175	2000				
50 502.2 50 503.2	50 548.2 50 549.2	31.0 W 48.0 W	1650 lm 2620 lm	DALI DALI	A++ A++	450 600		2000 2000				
LED penda	nt luminaires ·	Interior c	olour in m	att brass	3							
Velvet black	Velvet white	LED		PSU	EEC	Α	В	L				
50 501.4	50 547.4	16.0 W	650 lm	On/off	A++	350	175	2000				
50 502.4 50 503.4	50 548.4 50 549.4	31.0 W 48.0 W	1425 lm 2410 lm	DALI DALI	A++ A++	450 600		2000 2000				
LED penda	nt luminaires ·	Interior o	olour in m	att copp	er							
Velvet black	Velvet white	LED		PSU	EEC	Α	В	L				
50 501.6	50 547.6	16.0 W	560 lm	On/off	A++	350	175	2000				
50 502.6 50 503.6	50 548.6 50 549.6	31.0 W 48.0 W	1235 lm 2080 lm	DALI DALI	A++ A++	450 600		2000 2000				



# STUDIO LINE Shielded LED pendant luminaires

These LED pendant luminaires come in various sizes and belong to the STUDIO LINE series. These luminaires combine our economical and reliable LED technology with various metallic enamels for a fascinating interplay. We offer these luminaires in six colour combinations to match your interior – you can choose between a velvet black or velvet white exterior finish and between aluminium, copper or brass as the interior colour. Particularly when illuminated, the metallic interior colours contrast with the exterior finish to reveal all their beauty. The light directed downwards from these pendant luminaires is shielded to the outside by a cylindrical luminaire housing. Part of the light is emitted upwards and softly highlights the exterior finish of the upper luminaire cylinder.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules. The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.



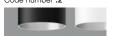
Part of the light is emitted upwards and softly highlights the exterior finish of the upper luminaire cylinder.





Canopy and cable pendant in luminaire colour

Interior colour in matt aluminium Code number .2



Interior colour in matt brass



Interior colour in matt copper Code number .6



STUDIO LINE

LED pendant luminaires

Lighting technology: Luminaires with shielded light

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Material: Luminaire housing made of metal

Finish: Enamel optionally in velvet black or velvet white

Interior colour available in the 3 finishes: matt aluminium  $\cdot$  matt brass  $\cdot$  matt copper

	Pendant lu	minaires · Inter	rior colour	in <b>matt al</b> ı	uminium					
	Velvet black	Velvet white	LED		PSU	EEC	Α	В	L	
L	50 586.2 50 587.2	50 584.2 50 585.2	17.9 W 27.8 W	880 lm 1845 lm	On/off DALI	A++ A++	100 140		2000 2000	
Η.	Pendant lu	minaires · Inter	rior colour	in matt br	ass					
В	Velvet black	Velvet white	LED		PSU	EEC	Α	В	L	
∐ .A·	50 586.4 50 587.4	50 584.4 50 585.4	17.9 W 27.8 W	740 lm 1550 lm	On/off DALI	A++ A++	100 140		2000 2000	
	Pendant lu	minaires · Inter	rior colour	in <b>matt co</b>	pper					
	Velvet black	Velvet white	LED		PSU	EEC	Α	В	L	
	50 586.6 50 587.6	50 584.6 50 585.6	17.9 W 27.8 W	670 lm 1400 lm	On/off DALI	A++ A++	100 140		2000 2000	





DUOLOGIC
Part of the light exits from the top of
the metal shield, illuminating the area above
the luminaire and increasing visual comfort.

# LED pendant luminaires

Being able to fall back on our own LED and glass production when new ideas are being implemented has always been a major advantage for us. This allowed us to develop a special LED module just for this line and then to uniquely combine it with our own glass to produce a glass with two different light intensities. We call this glass Duologic.

The maximum luminous intensity of the LED is guided downward through the glass directly onto the surface to be illuminated, achieving the maximum possible brightness. The second brightness zone is directed upwards and emphasises the lower edge of the glass. A metal shield also ensures perfect lateral glare suppression. Luminaires for many lighting applications above tables or counters.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.





Canopy in luminaire colour

Luminaire housing finish and canopy options:

White enamel finish Code number .1



S/steel · Code number .2



Chrome · Code number .3



Velvet black enamel Code number .5



#### LED pendant luminaires

Lighting technology: Luminaires with unshielded light

Colour temperature 3000 K, corresponds to warm white

Article number + K3

Material: Luminaire housing made of metal

DUOLOGIC opal glass Black cable pendant

Finish: Metal housing, rod suspension and canopy available

with a choice of 4 finishes: white enamel, stainless steel, chrome or velvet black enamel



LED pend	dant lumir	naires · <b>Wh</b>	ite enam	el finish				
	LED		PSU	EEC	Α	В	L	
50 702.1	7.4 W	450 lm	On/off	A++	160	55	1500	
50 703.1 50 704.1				Α++ Δ++			2000	
50 / 04.1	20.8 W	1640 IM	DALI	A	260	Юυ	2000	

LED pend	LED pendant luminaires · Stainless steel									
	LED		PSU	EEC	Α	В	L			
50 702.2	7.4 W	450 lm	On/off	A++	160	55	1500			
50 703.2	16.3 W	1245 lm	DALI	A++	210	55	2000			
50 704.2	20.8 W	1640 lm	DALI	A++	260	60	2000			

LED pen	dant lumir	naires · <b>Ch</b> i	rome					
	LED		PSU	EEC	Α	В	L	
50 702.3	7.4 W	450 lm	On/off	A++	160	55	1500	
50 703.3	16.3 W	1245 lm	DALI	A++	210	55	2000	
50 704.3	20.8 W	1640 lm	DALI	A++	260	60	2000	

LED pend	dant lumir	naires · <b>Vel</b>	vet black	c enamel				
	LED		PSU	EEC	Α	В	L	
50 702.5	7.4 W	450 lm	On/off	A++	160	55	1500	
50 703.5 50 704.5				A++ A++			2000 2000	





DUOLOGIC
Part of the light exits from the top of
the metal shield, illuminating the area above
the luminaire and increasing visual comfort.

# LED pendant luminaires

Being able to fall back on our own LED and glass production when new ideas are being implemented has always been a major advantage for us. This allowed us to develop a special LED module just for this line and then to uniquely combine it with our own glass to produce a glass with two different light intensities. We call this glass Duologic.

The maximum luminous intensity of the LED is guided downward through the glass directly onto the surface to be illuminated, achieving the maximum possible brightness. The second brightness zone is directed upwards onto the outer surface of the glass. The outer glass surface has a pleasant luminance with high visual comfort. Luminaires for many lighting applications above tables or counters. These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress.





Canopy in luminaire colour

Luminaire housing finish and canopy options:

White enamel finish Code number .1



S/steel · Code number .2



Chrome · Code number .3



#### LED pendant luminaires

Lighting technology: Luminaires with unshielded light

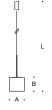
Colour temperature 3000 K, corresponds to warm white Article number + K3

Material: Luminaire housing made of metal

DUOLOGIC opal glass Black cable pendant

Finish: Metal housing, rod suspension and canopy

available with a choice of 3 finishes: white enamel, stainless steel or chrome



LED pen	LED pendant luminaires · White enamel finish											
	LED		PSU	EEC	Α	В	L					
50 707.1 50 708.1				A++ A++			1500 2000					

LED pendant luminaires · Stainless steel									
	LED		PSU	EEC	Α	В	L		
50 707.2 50 708.2				A++ A++			1500 2000		

LED pendant luminaires · Chrome									
	LED		PSU	EEC	Α	В	L		
50 707.3	7.4 W	525 lm	On/off	A++	160	140	1500		
50 708.3	16.3 W	940 lm	DALI	A++	180	155	2000		





DUOLOGIC
Part of the light exits from the top of
the metal shield, illuminating the area above
the luminaire and increasing visual comfort.

# LED pendant luminaires

Being able to fall back on our own LED and glass production when new ideas are being implemented has always been a major advantage for us. This allowed us to develop a special LED module just for this line and then to uniquely combine it with our own glass to produce a glass with two different light intensities. We call this glass Duologic. The maximum luminous intensity of the LED is guided downward through the glass directly onto the surface to be illuminated, achieving the maximum possible brightness. The second brightness zone is directed upwards onto the outer surface of the glass. The outer glass surface has a pleasant luminance with high visual comfort. Luminaires for many lighting applications above tables and counters.

These are luminaires which will impress you through a minimum LED service life of 50 000 hours and 20 years' availability guarantee for the LED modules.

The luminaire luminous flux and the luminaire connected wattage quoted in the table might change as a result of technical progress. On our website you will find data sheets with information on each luminaire concerning not only the current values but also the LED service life and the luminous flux.





Canopy in luminaire colour

Metal housing finish and canopy options:

White enamel finish Code number .1



S/steel · Code number .2



Chrome · Code number .3



#### LED pendant luminaires

Lighting technology: Luminaires with unshielded light

Colour temperature 3000 K, corresponds to warm white

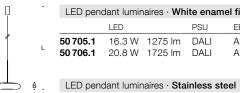
Article number + K3

Material: Luminaire housing made of metal

DUOLOGIC opal glass Black cable pendant

Finish: Metal housing, rod suspension and canopy

available with a choice of 3 finishes: white enamel, stainless steel or chrome



LED pen	dant lumir	naires · <b>Wh</b>	ite enai	mel finish				
	LED		PSU	EEC	Α	В	L	
50 705.1 50 706.1				A++ A++			2000 2000	

LED periodit forminalies . Stainless steel									
	LED		PSU	EEC	Α	В	L		
50 705.2 50 706.2				A++ A++			2000 2000		

LED pendant luminaires · Chrome									
	LED		PSU	EEC	Α	В	L		
50 705.3 50 706.3				A++ A++			2000 2000		





# LED information about service life, replacement modules, luminous efficiency and operating costs

From our decades of experience, we know the high demands on quality which our outdoor luminaires in particular are expected to meet. We face this challenge through continuous improvement. Accordingly, our luminaires have been setting standards in terms of lighting technology, design, material quality and workmanship for many years now.

The ageing of electronic components, and particularly LED, depends on the operating temperatures. High component temperatures shorten the anticipated service life. During development, therefore, thermo-management represents a great challenge.

By using components of the highest quality and making designrelated changes, favourable temperature conditions are possible and the LED service life can be extended significantly.

We have taken a decidedly conservative approach to temperature control, which means that values remain far below the maximum temperatures for LED modules.

Since all of the LED components are developed and manufactured in-house, all quality parameters can be monitored. This advantage is also particularly evident when it comes to the procurement of replacement modules. LED modules are often an integrative part of luminaires, which is why it is generally difficult or even impossible to procure replacement modules. As a responsible manufacturer, we have come up with a solution to this problem for our customers and ensure the availability of LED modules up to 20 years after an LED luminaire is purchased. An exact designation of the integral LED module in the luminaire provides the necessary details. In this way, we ensure the long-term, economic operation of the LED luminaires we have manufactured.

Our LED modules are designed for a service life of at least 50 000 operating hours. Depending on the ambient temperature, however, these values may be significantly higher. On our website you will find data sheets for each luminaire with information on the LED service life in relation to the relevant colour temperature and ambient temperature.

The light colour is defined by the colour temperature, which is specified in Kelvin (K). The luminaires in this brochure are available in 3000 K, which corresponds to a warm white light colour and produces a pleasant light.

The luminous efficiency of LED is significantly higher compared to other lamps. Comparing the luminous efficiency of a 4.4 watt LED with a 60 watt general service lamp, we need approx. 7 percent of the connected wattage for the same quantity of light.

The operating costs for the minimum service life of 50 000 hours of this 4.4 W LED based on 0.30 €/kWh are less than one fourteenth of those of the general service lamp.

This works out at approx.  $\in$  66 for the LED and around  $\in$  900 for the 60 W general service lamp – the costs for replacing the conventional light bulb with its service life of approx. just 1000 hours are not even taken into account.

The 50 000 operating hours correspond to a service life of approx. 20 years when operated for seven hours a day.

#### BEGA AC module

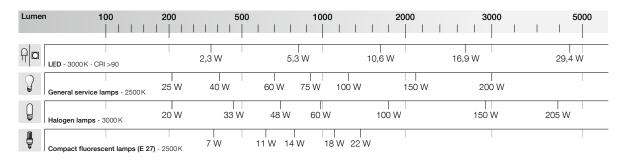
We have developed a space-saving power supply module specifically for BEGA luminaires whose structural installation space does not allow the installation of an LED module and separate power supply unit. The BEGA AC module is connected directly to the 230 V mains voltage and has a colour temperature of 3000 K and a colour rendering index (CRI) > 80.

BEGA AC modules can be dimmed with most modern phase dimmers from brand manufacturers.



#### Light output

The following diagram enables the luminous efficiency of LED to be compared with that of conventional lamps (last revised: January 2018).



# LED Lamps

Some of our luminaires are equipped with a conventional lamp base in E 14 or E 27 format. For these luminaires, we offer a selection of long-lasting, energy-saving LED lamps in switchable or dimmable versions. LED lamps consume significantly less energy than conventional lamps, have a considerably longer life, and require much lower operating costs. In addition, there is no switch-on delay and they withstand frequent switching on and off. BEGA LED lamps provide an impressive minimum service life of 15 000 hours and are available with a light colour of 2700 Kelvin and a CRI > 80. They are designed for an ambient temperature from +40 to -20°C.

Furthermore, our LED lamps are also available in a radio-controlled version. Thanks to the Zigbee standard used, these LED lamps can be effortlessly integrated into a smart home system or Zigbee-controlled building management system and are optionally available in tunable white or RGBW versions.

The data quoted in the table might change as a result of technical progress. Information concerning the current values is always provided in the data sheets on our website.





LED lan	nps for E	14 base										
	LED			Dimmable	Coloui	r temperature	Service life	On/off	EEC	Α	В	
13 549 13 553	4.0 W 5.0 W	470 lm 470 lm	Clear Clear	No Yes	2700 2700		15 000 h 15 000 h	> 100 000 x > 100 000 x		35 35	98 120	
13 552 13 554	4.0 W 5.0 W	470 lm 470 lm	Matt Matt	No Yes	2700 2700		15 000 h 15 000 h	> 100 000 x > 100 000 x		35 35	98 120	
LED lan	nps for <b>E</b>	<b>14</b> base ·	Zigbee									
	LED			Controllable	Coloui	r temperature	Service life	On/off	EEC	Α	В	
13 558 13 559	5.3 W 5.8 W	470 lm 470 lm	Matt Matt	Yes Yes · Tunable white	2700 2700	K -6500 K	25 000 h 25 000 h	>30000x >30000x	A+ A+	38 38	110 110	



LED lan	nps for <b>E 27</b> base								
	LED		Dimmable	Colour temperature	Service life	On/off	EEC	Α	В
13 509	7.0 W 805 lm	Clear	No	2700 K	15 000 h	> 100 000 x	A++	60	105
13 511	8.0 W 1055 lm	Clear	No	2700 K	15 000 h	> 100000 x	A++	67	112
13 562	12.0 W 1520 lm	Clear	No	2700 K	15 000 h	> 100000 x	A++	67	118
13 547	7.0 W 805 lm	Clear	Yes	2700 K	15 000 h	> 100000 x	A++	60	105
13 563	12.0 W 1520 lm	Clear	Yes	2700 K	15 000 h	> 100000 x	A++	67	118
13 510	7.0 W 805 lm	Matt	No	2700 K	15 000 h	> 100 000 x	A++	60	105
13 512	8.0 W 1055 lm	Matt	No	2700 K	15 000 h	> 100000 x	A++	67	112
13 564	12.0 W 1400 lm	Matt	No	2700 K	15 000 h	> 100000 x	A+	67	118
13 548	7.0 W 805 lm	Matt	Yes	2700 K	15 000 h	> 100000 x	A++	60	105
13 565	12.0 W 1400 lm	Matt	Yes	2700 K	15 000 h	> 100 000 x	A <sup>+</sup>	67	118
LED lam	nps for <b>E 27</b> base ·	Zigbee							
	LED		Controllable	Colour temperature	Service life	On/off	EEC	Α	В
13 555	9.0 W 805 lm	Matt	Yes	2700 K	25 000 h	>30000x	Α+	60	120
13 556	9.0 W 805 lm	Matt	Yes · Tunable white	2700 - 6500 K	25 000 h	>30000x	A+	60	120
13 557	9.5 W 805 lm	Matt	Yes · Tunable white · RGBW	2700-6500 K	25 000 h	>30000x	A <sup>+</sup>	60	120





Foot with anchorage unit

Foot with screw-on base

# Mounting options for garden and pathway luminaires

The garden and pathway luminaires shown in this brochure are particularly suitable for illuminating private outdoor spaces. Most of these luminaires are supplied for two types of mounting. For these luminaires you can select between:

- Luminaires with an anchorage unit made of hot-dip galvanised steel for mounting the luminaires e.g. in a flowerbed or in an uncompacted surface.
- Luminaires with screw-on base made of hot-dip galvanised steel for mounting the luminaires e.g. on foundations provided by the customer or on another paved surface.

An anchorage unit as well as a screw-on base and line connector are supplied with these luminaires and are included in the price. At the bottom of this page, you will find distribution boxes for connecting the luminaires.

For the luminaires on Pages 66 to 83 and 88 to 89, please order the anchorage unit separately as an accessory if required.

#### Anchorage unit

For mounting the luminaires in a flowerbed or an unpaved surface, for example.

The anchorage unit made of hot-dip galvanised steel is included in the scope of delivery of the luminaire.

With this type of installation, an underground cable NYY-J $3\times2.5^{\circ}$  is routed into the anchorage unit from below.

The underground cable and anchorage unit are set in concrete. The luminaire is then connected with a line connector, placed on the anchorage unit and bolted in position.

If through-wiring to a further luminaire is required, we recommend using distribution box  $70\,730\cdot71\,053$  (see below).

#### Screw-on base

For mounting the luminaires on foundations provided by the customer or on another paved surface, for example. The screw-on base made of hot-dip galvanised steel is included in the scope of delivery of the luminaire. With this type of installation, an underground cable NYY-J3x2.5 $^{\square}$  is passed into the screw-on base from below.

The base is bolted onto the mounting surface. The luminaire is then connected with a line connector and fixed to the screw-on base. The supplied cover plate between the vertical luminaire tube and the screw-on base covers the fastening bolts.

If through-wiring to a further luminaire is required, we recommend using distribution box  $70730 \cdot 71053$  (see below).

#### Distribution box for installation in soil

For the installation of two to six BEGA garden and pathway luminaires and for BEGA connecting pillars, we can supply a through-wiring distribution box for waterproof placement in soil. The distribution box enables a junction to be laid from the supply line to the luminaires. When the electrical connection has been made, the distribution box must be filled with the supplied gel and must then be sealed.

Installation: 70 730 · 7 cable entries · Connection terminal 5 x 4 <sup>□</sup>

 $71\,053\cdot 10$  cable entries  $\cdot$  Connection terminal  $6\,x\,16^{\circ}$ 

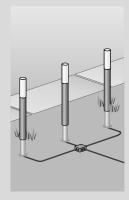
Protection class: IP  $68 \cdot \text{Safety class II}$ 

Material: Housing made of synthetic material · Gel cartridge with nozzle













• в •

 A
 B
 C

 70 730
 Distribution box · 7 cable entries
 95
 95
 55

 71 053
 Distribution box · 10 cable entries
 150
 115
 55

# Power supply units for LED luminaires

On this page you will find matching power supply units for operating the recessed ceiling and recessed wall luminaires presented in this brochure.

The article numbers of the matching power supply units for the recessed ceiling luminaires can be found on the product pages of the respective luminaires. Choose the units to match your system from among 1-10 V dimmable and DALI controllable power supply units. If you do not want to dim your lighting system, both types of power supply unit are also suitable for on/off operation.

When choosing the power supply units for recessed wall luminaires, make sure that the connected wattage of the power supply unit is not exceeded. Please pay attention to the technical data in the instructions for use issued for the luminaires on our website.

#### Power supply units for the LED recessed ceiling luminaires on Pages 20 and 25

Protection class IP 65 · Input voltage:  $220-240\,\text{V}\cdot 0/50$  -  $60\,\text{Hz}$  Housing made of glass fibre reinforced synthetic material and stainless steel · Colour graphite



		Current	Output	A	В	С	
10 510 10 527	PSU · dimmable 1-10 V PSU · dimmable 1-10 V	350 mA 500 mA	7 - 20 W 10 - 28.5 W		134 134		
	Power supply unit · DALI Power supply unit · DALI	350 mA 500 mA	3.5 - 21 W 5 - 30 W		134 134		

#### Power supply units for the LED recessed ceiling luminaires on Pages 138 · 146 · 154 · 156

Protection class IP 20  $\cdot$  Input voltage: 220 - 240 V  $\cdot$  0/50 - 60 Hz

The power supply units have a plug connector to the luminaire and a 5-pin connector (13 089). A 5-pin connecting jack (13 088) for connecting the power supply unit to the customer's supply line is included in the scope of delivery.



A. *		_		_	_	
	Current	Output	A	В	C	
13198 PSU · On/off	180 mA	Max. 7.4 W	34	115	19	
13 144 PSU · On/off	350 mA	Max. 19.0 W	53	119	22	
13196 PSU · On/off	400 mA	Max. 20.0 W	53	119	22	
13 199 PSU · DALI	180 mA	Max. 9.5 W	53	119	22	
13169 PSU · DALI	350 mA	Max. 15.0 W	53	119	22	
13 197 PSU · DALI	400 mA	Max. 19.0 W	53	119	22	

## Power supply units for the LED recessed wall luminaires on Page 64

Safety transformers in accordance with EN 61558/VDE 0570 Parts 2 - 6 Protection class IP 65  $\cdot$  Safety class II

Input voltage:  $230 \, \text{V} \cdot 50 - 60 \, \text{Hz} \cdot \text{Output}$  voltage:  $24 \, \text{V}$  DC Version encapsulated in cast resin  $\cdot$  Colour graphite



· A ·	· C · A · · C ·	Output	А	В	С	
70 564	PSU for LED luminaires 24 V DC	0 - 15 W	55	215	50	
70 465	PSU for LED luminaires 24 V DC	0-25 W	55	215	50	
70 565	PSU for LED luminaires 24 V DC	0-35 W	55	215	50	
70 566	PSU for LED luminaires 24 V DC	0-50 W	155	125	90	
70 567	PSU for LED luminaires 24 V DC	0-75 W	155	125	90	
70 169	PSU for LED luminaires 24 V DC	0-150 W	180	175	110	















10 415 10 015





10 406 10 006



# Installation housings, plaster frames und installation frames

When making the recessed opening, it might be practical to use an installation housing. This overview shows the form and dimensions of our installation housings.

They are specially adapted to BEGA luminaires and allow technically perfect installation in ceilings, walls or floors.

Plaster frames should be used when luminaires are installed in brickwork or concrete walls that will later be plastered. The tables on this page show the matching plaster frames. You can find instructions for use with all installation dimensions as well as material descriptions for all installation housings and plaster frames on our website at www.bega.com.

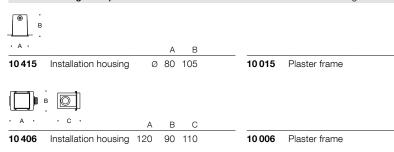
#### Installation housings for the LED recessed ceiling luminaires on Page 20



#### Installation housings for the LED recessed ceiling luminaires on Page 24



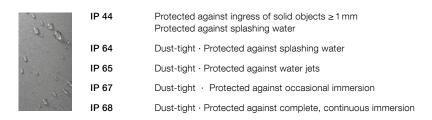
#### Install. housings and plaster frames for the LED recessed wall luminaires on Page 64



#### Electrical safety and protection class

Our luminaires are designed and manufactured on the basis of the EN 60598/VDE 0711 regulations and are subject to continuous production monitoring and quality inspection. The protection class according to EN 60598 classifies the operational safety of luminaires. It is expressed by two digits of the IP code (Ingress Protection). The first digit stands for the resistance to solid bodies and dust. The second digit defines the tightness against water and moisture. All products comply with the regulations concerning outdoor suitability. Special product features are labelled with the corresponding protection class.

The special characteristics listed in this brochure comply with the following classifications:



# Energy efficiency of the lamps

You can find information (in accordance with EU regulation 874/2012) about the energy efficiency of our luminaires in the tables throughout this catalogue and on our website. All information is based on the scale A++-E.



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All previous issues of the brochure "Light for the house and the garden" are superseded by this issue.

BEGA Gantenbrink-Leuchten KG PO Box 3160 · 58689 Menden Hennenbusch · 58708 Menden Germany

Phone +49 2373 966-0 Fax +49 2373 966-260

 $www.bega.com \cdot exporte@bega.com$ 

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