

Compact and powerful
48 V luminaires

BEGA



Das gute Licht.



BEGA 48 V luminaires

Compact designs. Robust quality. Powerful.

BEGA luminaires have always been an integral part of architecture. Our 48 V luminaires are extra compact and yet offer high performance, quality and durability.

Their small dimensions allow them to be integrated discreetly into the architecture.

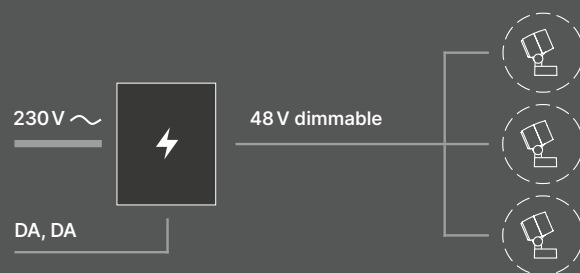
As a result, the architecture is at the center of the lighting effect. Compact, powerful, and highly reliable, BEGA 48 V luminaires offer unlimited freedom in design with minimal presence within any given space.

Thanks to the large portfolio with a great variety of luminaire sizes and various light distributions they ensure virtually unlimited freedom in lighting designs.

The prices listed in this brochure are non-binding recommended retail prices excluding VAT, valid from 1 April 2026.



Controlling multiple BEGA 48 V luminaires via DALI



Low voltage – big effect

The 48V outdoor luminaires are controlled via central BEGA power supply units. This allowed us to develop particularly compact luminaires which, despite their small size, feature our signature BEGA elegance, exceptional performance and quality.

A flexible and quick installation is made possible by the two-wire luminaire cabling and sophisticated mounting system.

And, even if after decades of operation a component may need replacement, a 20-year replacement guarantee ensures availability of all parts. We guarantee it.

Our extensive range of accessories, additionally ensures a perfect fit for any lighting design project.

The luminaires are DALI-controlled. Our BEGA Connect light control system offers the highest ease of use for special lighting projects.

48V

Please note:

An external 48 VDC power supply unit is required for the operation of these luminaires. Suitable power supply units for the operation of multiple luminaires and components for DALI control can be found on page 40.



Powerful performance

Light tools with compact dimensions and impressive performance for professional use



Professional control options

Easy integration in building management systems via DALI-controllable external power supply units for the operation of multiple luminaires



Safety

The safe low voltage of 48V allows installation without electrical engineering training.



Flexible and customisable

A wide range of lighting solutions can be implemented with ease based on a comprehensive range of accessories for installations and lighting technology



Future-proof

Replaceable components and a 20-year replacement guarantee ensure decades of outdoor use



Energy Efficiency

High-end LED modules from our own production ensure maximum energy efficiency and service life





Page 17



48V



Recessed ceiling spots · 48 V DC · 230 V AC

The series of our smallest recessed ceiling luminaires combines extremely compact dimensions with a convincing light output.

Recessed ceiling spots are perfect for lighting situations where small points of light are intended to create a glamorous light atmosphere. Perfect examples for their use would be under roof overhangs and cantilever panels, or over terraces and house entrances.

Special installation housings are available for installations in concrete ceilings. Detailed information can be found on bega.com in the instructions for use for these luminaires.

Suitable 48VDC power supply units can be found on Page 40.

Protection class
IP 65

Material
Cast aluminium, stainless steel
BEGA NeoGlass® polymer lens

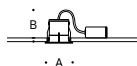
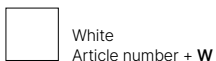
48 VDC
External power supply unit required
on/off · DALI controllable
Must be ordered separately

230 VAC
External power supply unit included
on/off

Light source
BEGA LED module

LED colour temperature
3000K

Luminaire colour
BEGA Unidure®



Symmetrical light distribution · 48 V DC, for external power supply units

				β	A	B	Install. housing
wide beam							
24 786 K3	4.8 W	425 lm		28°	60	65	13 617
24 788 K3	5.6 W	650 lm		32°	78	85	13 618
25 061 K3	9.8 W	1000 lm		32°	95	90	13 690
Very wide beam							
24 787 K3	4.8 W	345 lm		50°	60	65	13 617
24 789 K3	5.6 W	640 lm		60°	78	85	13 618
25 059 K3	9.8 W	1000 lm		32°	95	90	13 690



Symmetrical light distribution · 230 V AC, external power supply unit included

				β	A	B	
Wide beam							
24 790 K3	6.3 W	650 lm		32°	78	85	13 618
25 060 K3	9.8 W	1000 lm		32°	95	90	13 690
Very wide beam							
24 791 K3	6.3 W	640 lm		60°	78	85	13 618
25 058 K3	9.8 W	1000 lm		32°	95	90	13 690



β = Half beam angle



Page 19



BEGA NeoGlass® polymer lens
Precise light focusing with minimal stray light, artefact-free and with excellent visual comfort.



BEGA Vortex Optics®
Soft and targeted light distribution with a slightly higher stray light component, artefact-free and highly efficient.



BEGA Constant Optics®
The light is distributed widely and evenly throughout the room, ensuring an artefact-free light effect.

48V



Recessed ceiling downlights

Linear luminaires with compact dimensions · 48VDC

The linear recessed ceiling luminaires combine high visual comfort with extraordinary efficiency and compact dimensions. Precise reflector technology ensures excellent glare-suppression and uniform light direction. Versions with a recessed polymer lens for enhanced visual comfort or with BEGA Vortex Optics® for maximum light output satisfy any requirement. The luminaires come in three lengths and are ideal for demanding architectural and lighting design solutions. Optional installation housings or mounting frames ensure a secure and seamless integration into suspended ceilings.

Suitable 48VDC power supply units can be found on Page 40.

Protection class
IP 65

Material
Cast aluminium, aluminium
Safety glass
BEGA NeoGlass® polymer lens
Reflector made of pure anodised aluminium

48VDC
External power supply unit required
on/off · DALI controllable
Must be ordered separately

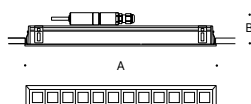
Light source
BEGA LED module

LED colour temperature
3000K

Luminaire colour
BEGA Unidure®

 Graphite
Order number

 White
Article number + W



Symmetrical narrow beam light distribution · Polymer lens

				β	A	B
25 001	5.8 W	590 lm	25°	355 × 42	65	
25 002	11.5 W	1180 lm	25°	685 × 42	65	
25 003	17.0 W	1770 lm	25°	1015 × 42	65	

Symmetrical wide beam light distribution · Polymer lens

				β	A	B
	25 004	5.8 W	590 lm	50°	355 × 42	65
	25 005	11.5 W	1180 lm	50°	685 × 42	65
	25 006	17.0 W	1770 lm	50°	1015 × 42	65

Symmetrical wide beam light distribution · BEGA Vortex Optics®

				β	A	B
	25 007	6.0 W	630 lm	50°	355 × 42	65
	25 008	12.0 W	1250 lm	50°	685 × 42	65
	25 009	17.5 W	1900 lm	50°	1015 × 42	65

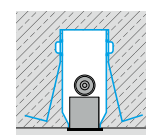
Symmetrical very wide beam light distribution · BEGA Constant Optics®



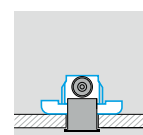
			β	A	B
25 010	6.0 W	630 lm	90°	355 × 42	130
25 011	12.0 W	1250 lm	90°	685 × 42	130
25 012	17.5 W	1900 lm	90°	1015 × 42	130

Asymmetrical light distribution · BEGA Vortex Optics®

				β	A	B
	25 013	6.0 W	630 lm	42/50°	355 × 42	130
	25 014	12.0 W	1250 lm	42/50°	685 × 42	130
	25 015	17.5 W	1900 lm	42/50°	1015 × 42	130



Install. housing



Installation frame

13 661
13 662
13 663

13 664
13 665
13 666

13 661
13 662
13 663

13 664
13 665
13 666

13 661
13 662
13 663

13 664
13 665
13 666

13 661
13 662
13 663

13 664
13 665
13 666

13 661
13 662
13 663

13 664
13 665
13 666



48V

Protection class
IP 65 · Safety class III

Material
Cast aluminium
Synthetic cover BEGA NeoGlass®

48VDC
External power supply unit required
on/off · DALI controllable
Must be ordered separately

Light source
BEGA LED module

LED colour temperature
3000K

Luminaire colour
BEGA Unidure®



Graphite
Order number



Silver
Article number + A

Round recessed wall luminaires 48VDC

Unshielded or shielded light and

Luminaires with asymmetrical light distribution

The round 48V recessed wall luminaires combine compact dimensions with precisely coordinated light characteristics, offering versatile solutions for orientation, safety and architectural accents in outdoor areas. Unshielded versions act as subtle guidance elements in brighter ambient conditions. Shielded variants reliably mark danger points and traffic areas, providing safe visual guidance through effective glare control, particularly in low ambient light. Versions with an asymmetrical, flat beam light distribution direct a narrow, ellipsoidal beam precisely onto the traffic zones in front of the mounting surface. Luminaires with an asymmetrical light distribution for deeper spatial illumination project their light predominantly into the depth of the space, ensuring uniform illumination of a larger area in front of the mounting surface.

Here, an installation housing or a flush-mounting frame is required; depending on, on-site conditions, variants are available for masonry, concrete or cavity walls. Additionally, the right adapters allow the installation of 48V luminaires in existing recessed housings of previous versions with an 80-mm diameter.

Suitable 48VDC power supply units can be found on Page 40.



Unshielded light

			A	B
25 062	0.8 W	20 lm	50	55
25 063	1.3 W	50 lm	75	55

Installation housing
for masonry and concrete walls

Surface-mounted	Flush-mounted
13 705	13 715
13 706	13 716

Installation frame
for cavity walls

Surface-mounted
13 707
13 708

Adapter
for existing installations

—
13 713



Shielded light

			A	B
25 064	1.2 W	30 lm	50	55
25 065	2.0 W	60 lm	75	55

Installation housing
for masonry and concrete walls

Surface-mounted	Flush-mounted
13 705	13 715
13 706	13 716

Installation frame
for cavity walls

Surface-mounted
13 707
13 708

Adapter
for existing installations

—
13 713



Asymmetrical flat beam light distribution

			A	B
25 068	1.3 W	30 lm	50	55
25 069	3.0 W	110 lm	75	55

Installation housing
for masonry and concrete walls

Surface-mounted	Flush-mounted
13 705	13 715
13 706	13 716

Installation frame
for cavity walls

Surface-mounted
13 707
13 708

Adapter
for existing installations

—
13 713



Asymmetrical light distribution
for deep spatial illumination

			A	B
25 066	1.3 W	30 lm	50	55
25 067	3.0 W	120 lm	75	55

Installation housing
for masonry and concrete walls

Surface-mounted	Flush-mounted
13 705	13 715
13 706	13 716

Installation frame
for cavity walls

Surface-mounted
13 707
13 708

Adapter
for existing installations

—
13 713



48V

Protection class
IP 65 · Safety class III

Material
Cast aluminium
Synthetic cover BEGA NeoGlass®

48VDC
External power supply unit required
on/off · DALI controllable
Must be ordered separately

Light source
BEGA LED module

LED colour temperature
3000K

Luminaire colour
BEGA Unidure®



Graphite
Order number



Silver
Article number + A

Square recessed wall luminaires 48 V DC

Unshielded or shielded light and

Luminaires with asymmetrical light distribution

The square 48 V recessed wall luminaires feature a clear geometric design language and precisely engineered light distributions that support functional as well as architectural requirements. Unshielded versions serve as orientation luminaires with a pleasant light presence in brighter ambient conditions. Shielded variants mark danger points and traffic areas safely without glare, particularly in low ambient light. Versions with an asymmetrical light distribution direct the light precisely onto the traffic areas in front of the mounting surface. Luminaires with an asymmetrical light distribution for deeper spatial illumination project their light predominantly into the depth of the space, ensuring uniform illumination of a larger area in front of the mounting surface.

Here, an installation housing or a flush-mounting frame is required; depending on, on-site conditions, variants are available for masonry, concrete or cavity walls. Additionally, the right adapters allow the installation of 48 V luminaires in existing recessed housings of previous versions with an 80-mm diameter.

Suitable 48VDC power supply units can be found on Page 40.



Unshielded light

			A	B
25 070	0.8 W	20 lm	50×50	55
25 071	1.3 W	50 lm	75×75	55

Installation housing
for masonry and concrete walls

Surface-mounted	Flush-mounted
13 705	13 717
13 706	13 718

Installation frame
for cavity walls

Surface-mounted
13 707
13 708

Adapter
for existing installations

—
13 714



Shielded light

			A	B
25 072	1.2 W	30 lm	50×50	55
25 073	2.0 W	60 lm	75×75	55

Installation housing
for masonry and concrete walls

Surface-mounted	Flush-mounted
13 705	13 717
13 706	13 718

Installation frame
for cavity walls

Surface-mounted
13 707
13 706

Adapter
for existing installations

—
13 714



Asymmetrical light distribution

			A	B
25 076	1.3 W	30 lm	50×50	55
25 077	3.0 W	150 lm	75×75	55

Installation housing
for masonry and concrete walls

Surface-mounted	Flush-mounted
13 705	13 717
13 706	13 718

Installation frame
for cavity walls

Surface-mounted
13 707
13 706

Adapter
for existing installations

—
13 714



Asymmetrical light distribution
for deep spatial illumination

			A	B
25 074	1.3 W	30 lm	50×50	55
25 075	3.0 W	120 lm	75×75	55

Installation housing
for masonry and concrete walls

Surface-mounted	Flush-mounted
13 705	13 717
13 706	13 718

Installation frame
for cavity walls

Surface-mounted
13 707
13 706

Adapter
for existing installations

—
13 714



48V

Protection class
IP 65 · Safety class III

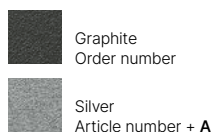
Material
Cast aluminium
Synthetic cover BEGA NeoGlass®

48V DC
External power supply unit required
on/off · DALI controllable
Must be ordered separately

Light source
BEGA LED module

LED colour temperature
3000K

Luminaire colour
BEGA Unidure®



Rectangular recessed wall luminaires 48 V DC

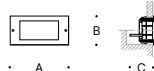
Unshielded or shielded light and

Luminaires with asymmetrical light distribution

The rectangular 48 V recessed wall luminaires combine a clear, linear design language with precise light characteristics, offering versatile solutions for orientation, safety and architectural outdoor lighting. Unshielded versions serve as subtle orientation luminaires in brighter ambient conditions. Shielded variants reliably mark danger points and traffic areas, particularly in low ambient light, and provide controlled glare limitation. Versions with an asymmetrical light distribution direct the light precisely onto the traffic areas in front of the mounting surface. Luminaires with an asymmetrical light distribution for deeper spatial illumination project their light predominantly into the depth of the space, ensuring uniform illumination of a larger area in front of the mounting surface.

Here, an installation housing or a flush-mounting frame is required; depending on, on-site conditions, variants are available for masonry, concrete or cavity walls.

Suitable 48VDC power supply units can be found on Page 40.



Unshielded light

			A	B	C
25 084	1.5 W	60 lm	100	50	55
25 085	2.4 W	160 lm	150	75	55

Install. housing
for cavity walls
Surface-mounted

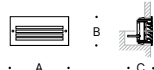
13 711
13 712

Installation housing
for masonry and concrete walls
unplastered
Surface-mounted

13 709
13 710

Plaster frame
for masonry and concrete walls **plastered**

Surface-mounted	Flush-mounted
13 721	13 719
13 722	13 720



Shielded light

			A	B	C
25 086	1.4 W	55 lm	100	50	55
25 087	3.3 W	140 lm	150	75	55

Install. housing
for cavity walls
Surface-mounted

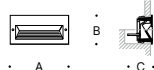
13 711
13 712

Installation housing
for masonry and concrete walls
unplastered
Surface-mounted

13 709
13 710

Plaster frame
for masonry and concrete walls **plastered**

Surface-mounted	Flush-mounted
13 721	13 719
13 722	13 720



Asymmetrical light distribution

			A	B	C
25 090	4.0 W	280 lm	100	50	55
25 091	7.0 W	460 lm	150	75	55

Install. housing
for cavity walls
Surface-mounted

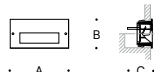
13 711
13 712

Installation housing
for masonry and concrete walls
unplastered
Surface-mounted

13 709
13 710

Plaster frame
for masonry and concrete walls **plastered**

Surface-mounted	Flush-mounted
13 721	13 719
13 722	13 720



Asymmetrical light distribution for deep spatial illumination

			A	B	C
25 088	4.0 W	280 lm	100	50	55
25 089	7.0 W	460 lm	150	75	55

Install. housing
for cavity walls
Surface-mounted

13 711
13 712

Installation housing
for masonry and concrete walls
unplastered
Surface-mounted

13 709
13 710

Plaster frame
for masonry and concrete walls **plastered**

Surface-mounted	Flush-mounted
13 721	13 719
13 722	13 720





Page 7



48V

Protection class

IP 65 · Safety class III

Material

Cast aluminium
BEGA NeoGlass® polymer lens
BEGA Ultimate Driver®

48VDC

External power supply unit required
on/off · DALI controllable
Must be ordered separately

Light source

BEGA LED module

LED colour temperature

3000K

Luminaire colour

BEGA Unidure®



Graphite
Order number



White
Article number + W

Ceiling luminaires · Downlights · 48 V DC

These small-format, ceiling-mounted spots offer high performance and excellent component quality. They are a great choice wherever small points of light are needed to accentuate a lighting situation, for example under roof overhangs and cantilever panels or over terraces and house entrances. These ceiling-mounted spots also feature flexibility in terms of electrical connection: Several luminaires can be connected to a single power supply unit (to be ordered separately).

Suitable 48VDC power supply units can be found on Page 40.



Wide beam light distribution

48 VDC, for external PSU		β		A B	
24 792 K3	5.9 W	625 lm	30°	60	90

Very wide beam light distribution

48 VDC, for external PSU		β		A B	
24 793 K3	5.9 W	625 lm	58°	60	90

β = Half beam angle



BEGA NeoGlass® polymer lens
Precise light focusing with minimal stray light, artefact-free and with excellent visual comfort.



BEGA Vortex Optics®
Soft and targeted light distribution with a slightly higher stray light component, artefact-free and highly efficient.



BEGA Constant Optics®
The light is distributed widely and evenly throughout the room, ensuring an artefact-free light effect.



Ceiling-mounted downlights

Linear luminaires with compact dimensions · 48 VDC

These compact surface-mounted ceiling luminaires offer modern lighting technology in a clear, minimalist design language. Despite their slender shape, they deliver outstanding efficiency and excellent glare control. Optional versions with recessed collimators offer additional visual comfort, while BEGA Vortex Optics® variants ensure maximum light output. The 48 V operating voltage allows for powerful, precisely dimmable illumination across all three available lengths. These luminaires are therefore ideal for demanding architectural and lighting projects where flexible installation, high light quality and a uniform appearance are essential.

Suitable 48 VDC power supply units can be found on Page 40.



Page9

48V



Protection class
IP 65

Material
Cast aluminium, aluminium
Safety glass
BEGA NeoGlass® polymer lens
Reflector made of pure anodised aluminium
Polymer lenses with louvre,
BEGA Vortex Optics®
(European Patent EP 3098504)
or BEGA Constant Optics®

48 VDC
External power supply unit required
on/off - DALI controllable
Must be ordered separately

Light source
BEGA LED module

LED colour temperature
3000K

Luminaire colour
BEGA Unidure®



Graphite
Order number



White
Article number + W



Symmetrical narrow beam light distribution · Polymer lenses

			β	A	B	C
25 016	5.8 W	590 lm	25°	335	32	65
25 017	11.5 W	1180 lm	25°	670	32	65
25 018	17.0 W	1770 lm	25°	1000	32	65



Symmetrical wide beam light distribution · Polymer lenses

			β	A	B	C
25 019	5.8 W	520 lm	50°	335	32	65
25 020	11.5 W	1040 lm	50°	670	32	65
25 021	17.0 W	1560 lm	50°	1000	32	65



Symmetrical wide beam light distribution · BEGA Vortex Optics®

			β	A	B	C
25 022	6.0 W	630 lm	50°	335	32	65
25 023	12.0 W	1250 lm	50°	670	32	65
25 024	17.5 W	1900 lm	50°	1000	32	65



Symmetrical very wide beam light distribution · BEGA Constant Optics®

			β	A	B	C
25 025	6.0 W	630 lm	90°	335	32	65
25 026	12.0 W	1250 lm	90°	670	32	65
25 027	17.5 W	1900 lm	90°	1000	32	65



Asymmetrical light distribution · BEGA Vortex Optics®

			β	A	B	C
25 028	6.0 W	630 lm	42/50°	335	32	65
25 029	12.0 W	1250 lm	42/50°	670	32	65
25 030	17.5 W	1900 lm	42/50°	1000	32	65

β = Half beam angle



48V



Wall luminaires with directed light Single-sided or double-sided light emission · 48 V DC

These rounded wall luminaires combine precise lighting technology with a clear design language. Depending on the version, they emit their wide beam light either one-sided or two-sided. The wide beam light distribution ensures uniform and effective façade illumination. Their light characteristics make them perfectly suitable for subtle illumination of adjacent floor or ceiling areas near the wall.

Suitable 48VDC power supply units can be found on Page 40.

Protection class
IP 64 · Safety class III

Material
Cast aluminium
BEGA NeoGlass® polymer lenses

48VDC
External power supply unit required
on/off · DALI controllable
Must be ordered separately

Controllable
on/off · DALI

Light source
BEGA LED module

LED colour temperature
3000K

Luminaire colour
BEGA Unidure®



Graphite



Very wide beam light distribution downward

			β	A	B	C
25 050	4.6 W	345 lm	50°	50	95	70



Very wide beam light distribution upward and downward

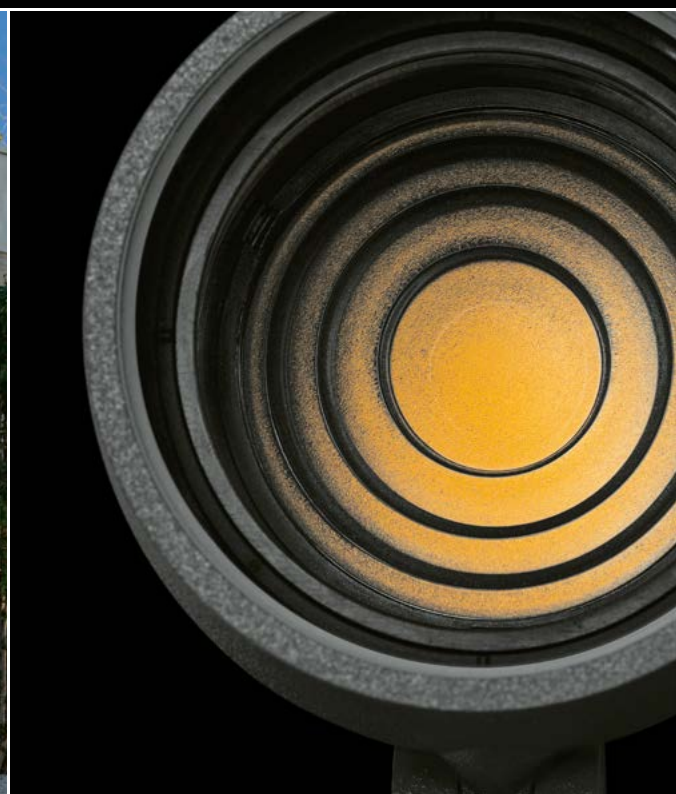
			β	A	B	C
25 052	9.4 W	690 lm	50°	50	95	70



β = Half beam angle



For more information about louvres and optical filters, see page 42.



48V

Protection class

IP 65

Material

Cast aluminium · Safety glass
BEGA NeoGlass® polymer lens

48 VDC

External power supply unit required
on/off · DALI controllable
Must be ordered separately

Light source

BEGA LED module

LED colour temperature

3000K

Luminaire colour

BEGA Unidure®



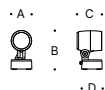
Graphite

**Compact floodlights · 48 VDC
with mounting box**

These compact but powerful floodlights combine functionality, creativity and efficiency in a small format. They showcase the full spectrum of modern lighting technology – from precise accents to soft, atmospheric area lighting situations. Their minimalist, yet highly sophisticated design makes them highly attractive for professional lighting designers and creative users alike.

A range of louvres and optical filters allows for a wide variety of light distributions and ensures precise adjustments of the beam characteristics – from narrow-beam accents to broad, diffuse light distributions. Alongside an extensive range of accessories, lighting designers can rely on a modular toolbox that supports flexible applications and ensures high light quality.

Suitable 48VDC power supply units can be found on Page 40.



With mounting box



Wide beam light distribution

			β	A	B	C
85 381	6.9 W	415 lm	31°	55	105	70
85 384	13.0 W	1235 lm	33°	75	125	70



Very wide beam light distribution

			β	A	B	C
85 382	6.9 W	350 lm	55°	55	105	70
85 385	13.0 W	1220 lm	60°	75	125	70



With mounting box

Zoom optics with adjustable light distribution

			β	A	B	C
85 383	6.9 W	260 lm	20–50°	55	105	70
85 386	13.0 W	685 lm	26–48°	75	125	70

Louvre

71 374	71 375	71 376
71 377	71 378	71 379

Optical filters

71 380	71 381	71 382
71 383	71 384	71 385

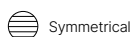
Louvre

71 374	71 375	71 376
71 377	71 378	71 379

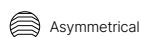
Optical filters

71 380	71 381	71 382
71 383	71 384	71 385

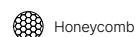
β = Half beam angle



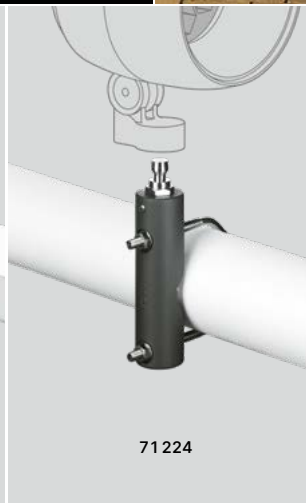
Symmetrical



Asymmetrical



Honeycomb



48V

Protection class
IP 65

Material
Cast aluminium · Safety glass
BEGA NeoGlass® polymer lens

48V DC
External power supply unit required
on/off · DALI controllable
Must be ordered separately

Light source
BEGA LED module

LED colour temperature
3000K

Luminaire colour
BEGA Unidure®



Graphite

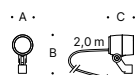
Compact floodlights · 48VDC with connection adapter

Maximum freedom during installation: the compact floodlights with connection adapters can be used wherever light needs to be positioned flexibly. They are ideal for applications beyond traditional recessed or ceiling-mounted solutions and offer new creative possibilities – from temporary installations to variable architectural accents.

The connection adapter enables simple and secure attachment at virtually any desired point. Using a pipe clamp, tension strap, screw clamp, G½ fitting or a threaded attachment accessory – the floodlights can be installed, realigned or repositioned quickly and easily. This makes them particularly suitable for exhibitions, retail spaces, object lighting and variable staging setups. Despite their compact size, the floodlights impress with their high light quality and a versatile range of lighting tools.

Louvres and optical filters allow precise control of the beam characteristics – from focused accents to softly distributed area lighting. Alongside an extensive range of accessories, lighting designers can rely on a modular toolbox that combines creative freedom with technical efficiency.

Suitable 48VDC power supply units can be found on Page 40.



With connection adapter and free wire ends



Wide beam light distribution				β	A	B	C
85 363	6.9 W	415 lm		31°	55	105	70
85 366	13.0 W	1235 lm		33°	75	125	70



Very wide beam light distribution				β	A	B	C
85 364	6.9 W	350 lm		55°	55	105	70
85 367	13.0 W	1220 lm		60°	75	125	70



With connection adapter and free wire ends Zoom optics with adjustable light distribution

				β	A	B	C
85 365	6.9 W	260 lm		19–50°	55	105	70
85 368	13.0 W	685 lm		26–48°	75	125	70

Louvre

71 374	71 375	71 376
71 377	71 378	71 379

Optical filters

71 380	71 381	71 382
71 383	71 384	71 385

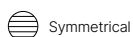
Louvre

71 374	71 375	71 376
71 377	71 378	71 379

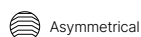
Optical filters

71 380	71 381	71 382
71 383	71 384	71 385

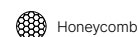
β = Half beam angle



Symmetrical



Asymmetrical



Honeycomb

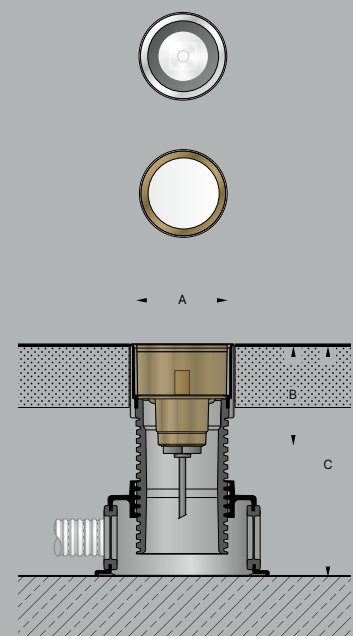


Safety glass

Honeycomb louvre

Polymer lens made of
BEGA NeoGlass®

Luminaire housing made of
BEGA ThermoBrass



48V

Round, flush-mounted BEGA ThermoBrass in-ground luminaires
For flush-mounted installations without visible transitions
48 VDC · 230 V AC

The round, flush-mounted in-ground luminaires ensure an elegantly integrated floor solution for demanding architectural applications. Various light distributions offer precise options for orientation and accentuation in private and public areas. The luminaire housing is made entirely of BEGA ThermoBrass – an extremely corrosion-resistant, exceptionally robust and highly thermally conductive material that guarantees efficient, powerful and durable luminaires. The flush, barely visible slim trim ring is available in the warm BEGA ThermoBrass finish or in elegant, understated stainless steel. The high protection class IP 68 and a load capacity of 2.000 kg ensure maximum reliability in outdoor environments.

A suitable height-adjustable recessed housing is included for all luminaire sizes.

For luminaires with A = 85 · 110 mm, a louvre or optical filter can optionally be inserted to modify the light distribution. For more information, see page 42.

Suitable 48VDC power supply units can be found on Page 40.

Protection class
IP 68

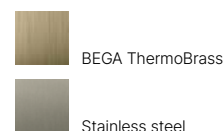
Material
BEGA ThermoBrass, stainless steel
Safety glass
BEGA NeoGlass® polymer lens

48 VDC
Safety class III
Luminaires with free wire ends 2×1□
External power supply unit required
on/off · DALI controllable
Must be ordered separately

230 V AC
Safety class I
BEGA Ultimate Driver® · DALI controllable
BEGA Thermal Management®
Luminaires with free wire ends 5×1□
Integrated water stop

Light source
BEGA LED module

LED colour temperature
3000 K





BEGA ThermoBrass

Stainless steel

85 478

85 479

85 480

85 481

85 520

85 521

85 522

85 523



Orientation luminaires

PSU						A	B	C
0.7 W	15 lm	48 V	without*			38	95	105-185
1.5 W	30 lm	48 V	without*			62	95	115-200
2.0 W	50 lm	48 V	without*			85	110	115-200
3.8 W	90 lm	230V	DALI			110	120	125-210

BEGA ThermoBrass

Stainless steel

85 482

85 483

85 484

85 485

85 524

85 525

85 526

85 527



Symmetrical narrow beam light distribution

PSU				β	A	B	C
0.7 W	35 lm	48 V	without*	15°	38	95	105-185
2.7 W	175 lm	48 V	without*	15°	62	95	115-200
4.2 W	250 lm	48 V	without*	15°	85	110	115-200
7.2 W	400 lm	230V	DALI	15°	110	120	125-210

BEGA ThermoBrass

Stainless steel

85 486

85 487

85 488

85 489

85 528

85 529

85 530

85 531



Symmetrical wide beam light distribution

PSU				β	A	B	C
0.7 W	45 lm	48 V	without*	60°	38	95	105-185
2.2 W	175 lm	48 V	without*	60°	62	95	115-200
4.1 W	300 lm	48 V	without*	60°	85	110	115-200
7.0 W	500 lm	230V	DALI	60°	110	120	125-210

BEGA ThermoBrass

Stainless steel

85 490

85 491

85 532

85 533

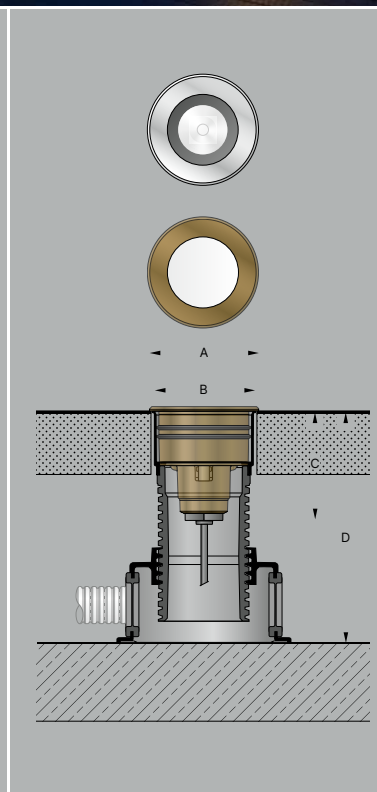
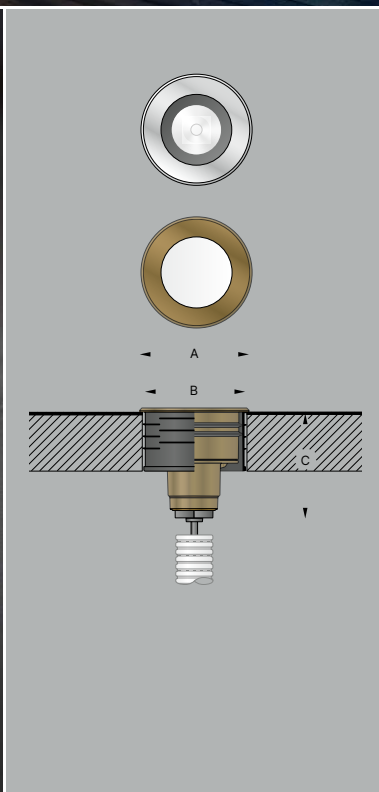


Asymmetrical light distribution

PSU				β	A	B	C
4.4 W	300 lm	48 V	without*	60°	85	110	115-200
7.0 W	500 lm	230V	DALI	60°	110	120	125-210

β = Half beam angle

* Suitable 48VDC power supply units can be found on Page 40



48V

Round, flush-mounted BEGA ThermoBrass in-ground luminaires
With compact dimensions for flush installation
48VDC · 230VAC

The round, flush-mounted in-ground luminaires combine compact dimensions with high performance for demanding orientation and ambient lighting. A choice of light distributions offer versatile options for illuminating pathways, steps and architectural areas. The robust luminaire body is made from BEGA ThermoBrass – an extremely corrosion-resistant, exceptionally strong and highly thermally conductive material that guarantees efficient and durable luminaires. The round cover plate is available in the warm BEGA ThermoBrass finish or in elegant, understated stainless steel. With protection class IP 68 and a load capacity of 2.000 kg, the luminaires ensure reliable, durable performance in outdoor environments.

Suitable recessed housings are available for all luminaire sizes.

For luminaires with A = 100·130 mm, a louvre or optical filter can optionally be added to modify the light distribution. For more information, see page 42.

Suitable 48VDC power supply units can be found on Page 40.

Protection class
IP 68

Material
BEGA ThermoBrass, stainless steel
Safety glass
BEGA NeoGlass® polymer lens

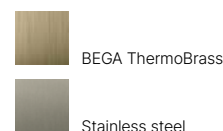
48VDC
Safety class III
Luminaires with free wire ends 2×1□

External power supply unit required
on/off · DALI controllable
Must be ordered separately

230VAC
Safety class I
BEGA Ultimate Driver® · DALI controllable
BEGA Thermal Management®
Luminaires with free wire ends 5×1□
Integrated water stop

Light source
BEGA LED module

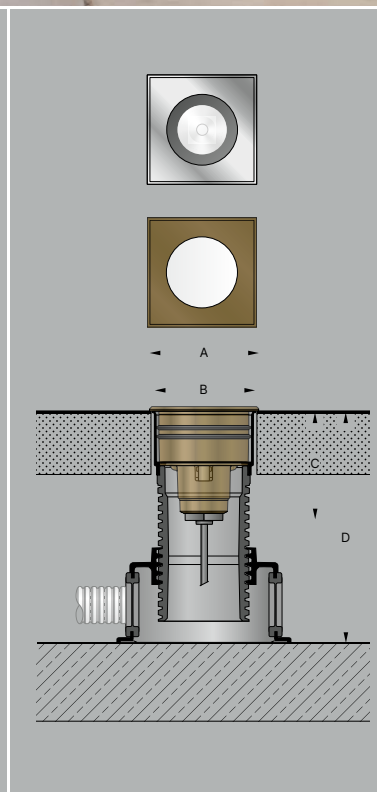
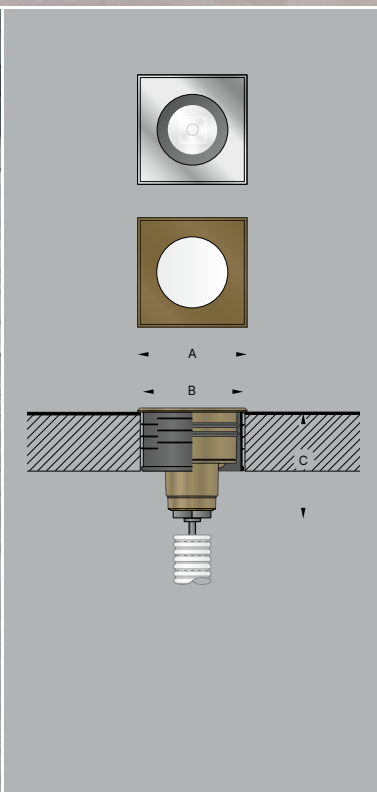
LED colour temperature
3000K



	BEGA ThermoBrass	Stainless steel	Orientation lumineaires										Install. housing
						PSU	A	B	C	D			
	85 450	85 492	0.7 W	15 lm	48 V	without*	50	45	95	105–185	71 395		
	85 451	85 493	1.5 W	30 lm	48 V	without*	75	70	95	115–200	71 396		
	85 452	85 494	2.0 W	50 lm	48 V	without*	100	92	110	115–200	71 397		
	85 453	85 495	3.8 W	90 lm	230V	DALI	130	122	120	125–210	71 398		
	BEGA ThermoBrass	Stainless steel	Symmetrical narrow beam light distribution										Install. housing
						PSU	β	A	B	C	D		
	85 454	85 496	0.7 W	35 lm	48 V	without*	15°	50	45	95	105–185	71 395	
	85 455	85 497	2.7 W	175 lm	48 V	without*	15°	75	70	95	115–200	71 396	
	85 456	85 498	4.2 W	250 lm	48 V	without*	15°	100	92	110	115–200	71 397	
	85 457	85 499	7.2 W	400 lm	230V	DALI	15°	130	122	120	125–210	71 398	
	BEGA ThermoBrass	Stainless steel	Symmetrical wide beam light distribution										Install. housing
						PSU	β	A	B	C	D		
	85 458	85 500	0.7 W	45 lm	48 V	without*	60°	50	45	95	105–185	71 395	
	85 459	85 501	2.2 W	175 lm	48 V	without*	60°	75	70	95	115–200	71 396	
	85 460	85 502	4.1 W	300 lm	48 V	without*	60°	100	92	110	115–200	71 397	
	85 461	85 503	7.0 W	500 lm	230V	DALI	60°	130	122	120	125–210	71 398	
	BEGA ThermoBrass	Stainless steel	Asymmetrical light distribution										Install. housing
						PSU	β	A	B	C	D		
	85 462	85 504	4.4 W	300 lm	48 V	without*	60°	100	92	110	115–200	71 397	
	85 463	85 505	7.0 W	500 lm	230V	DALI	60°	130	122	120	125–210	71 398	

β = Half beam angle

* suitable 48VDC power supply units can be found on Page 40



48V

Square BEGA ThermoBrass in-ground luminaires
With compact dimensions for flush installation
48 VDC · 230 V AC

The square, surface-mounted in-ground luminaires create a precise, architectural appearance and are ideal for footpaths, steps and accent lighting solutions. A choice of light distributions ensures flexible adaptations to any lighting tasks. The luminaire housing is made from BEGA ThermoBrass – an extremely corrosion-resistant, exceptionally strong and highly thermally conductive material that forms the basis for efficient, high-performance and durable luminaires. The square cover plate is available in the warm BEGA ThermoBrass finish or in elegant, understated stainless steel. The IP 68 high protection class and a load capacity of 2.000 kg ensure maximum reliability in outdoor environments.

Suitable recessed housings are available for all luminaire sizes.

For luminaires with A = 100·130 mm, a louvre or optical filter can optionally be added to modify the light distribution. For more information, see page 42.

Suitable 48 VDC power supply units can be found on Page 40.

Protection class
IP 68

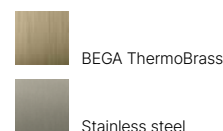
Material
BEGA ThermoBrass, stainless steel
Safety glass
BEGA NeoGlass® polymer lens

48 VDC
Safety class III
Luminaires with free wire ends 2×1□
External power supply unit required
on/off · DALI controllable
Must be ordered separately

230 V AC
Safety class I
BEGA Ultimate Driver® · DALI controllable
BEGA Thermal Management®
Luminaires with free wire ends 5×1□
Integrated water stop

Light source
BEGA LED module

LED colour temperature
3000 K



													
	BEGA ThermoBrass	Stainless steel	Orientation luminaires										Install. housing
						PSU		A	B	C	D		
	85 464	85 506	0.7 W	15 lm	48 V	without*		50	45	85	105–185	71 395	
	85 465	85 507	1.5 W	30 lm	48 V	without*		75	70	85	115–200	71 396	
	85 466	85 508	2.0 W	50 lm	48 V	without*		100	92	95	115–200	71 397	
	85 467	85 509	3.8 W	90 lm	230V	DALI		130	122	105	125–210	71 398	
	BEGA ThermoBrass	Stainless steel	Symmetrical narrow beam light distribution										Install. housing
						PSU	β	A	B	C	D		
	85 468	85 510	0.7 W	35 lm	48 V	without*	15°	50	45	85	105–185	71 395	
	85 469	85 511	2.7 W	175 lm	48 V	without*	15°	75	70	85	115–200	71 396	
	85 470	85 512	4.2 W	250 lm	48 V	without*	15°	100	92	95	115–200	71 397	
	85 471	85 513	7.2 W	400 lm	230V	DALI	15°	130	122	105	125–210	71 398	
	BEGA ThermoBrass	Stainless steel	Symmetrical wide beam light distribution										Install. housing
						PSU	β	A	B	C	D		
	85 472	85 514	0.7 W	45 lm	48 V	without*	60°	50	45	85	105–185	71 395	
	85 473	85 515	2.2 W	175 lm	48 V	without*	60°	75	70	85	115–200	71 396	
	85 474	85 516	4.1 W	300 lm	48 V	without*	60°	100	92	95	115–200	71 397	
	85 475	85 517	7.0 W	500 lm	230V	DALI	60°	130	122	105	125–210	71 398	
	BEGA ThermoBrass	Stainless steel	Asymmetrical light distribution										Install. housing
						PSU	β	A	B	C	D		
	85 476	85 518	4.4 W	300 lm	48 V	without*	60°	100	92	95	115–200	71 397	
	85 477	85 519	7.0 W	500 lm	230V	DALI	60°	130	122	105	125–210	71 398	

β = Half beam angle

* suitable 48 VDC power supply units can be found on Page 40



48V



Linear in-ground luminaires
In a slimline design as a orientation luminaire,
with symmetrical or asymmetrical light distribution · 48 VDC

As part of the 48-volt system, linear in-ground luminaires they offer maximum safety, efficiency and precise controllability. Available in lengths of 500 and 1000 millimetres, they feature aluminium housings, dimmable technology and slender, refined designs. High-performance optical systems ensure homogeneous, atmospheric and safe illumination. Protection class IP 68, a load capacity of 2.000 kg and the ability to create continuous light lines without visible transitions allow for a wide range of outdoor applications.

Recessed housings with external on/off or DALI power supply units enables flexible outdoor solutions, also available as light bands in customised lengths on request.

Suitable 48VDC power supply units can be found on Page 40.

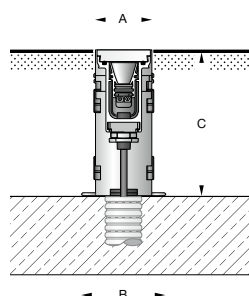
Protection class
 IP 68 · Safety class III

Material
 Aluminium
 Safety glass
 Reflector made of pure anodised aluminium

48 VDC
 External power supply unit required
 on/off · DALI controllable
 Must be ordered separately

Light source
 BEGA LED module

LED colour temperature
 3000 K



Orientation luminaires

			A	B	C
85 427	6.0 W	200 lm	500×45	75	130
85 428	12.0 W	400 lm	1000×45	75	130

Install. housing

71 390
 71 391



Symmetrical light distribution

			A	B	C
85 429	14.0 W	1400 lm	500×45	75	130
85 430	28.0 W	2800 lm	1000×45	75	130

Install. housing

71 390
 71 391



Asymmetrical light distribution

			A	B	C
85 431	14.0 W	1150 lm	500×45	75	130
85 432	28.0 W	2300 lm	1000×45	75	130

Install. housing

71 390
 71 391







Garden and pathway luminaire 48 V DC

Directed light · Wide flat beam light distribution

These 48 V garden and pathway luminaires with wide, flat beam light distribution create clear, uniform light structures along paths, entrances and garden areas. This light characteristic permits wide spacing between luminaires with high efficiency – while the shielded light ensures exceptionally high visual comfort.

With two available heights, they offer extensive design flexibility for private outdoor areas. Their understated design language blends harmoniously into a variety of architectural and landscape settings, supporting a calm, clear light management.

Suitable 48 VDC power supply units can be found on Page 40.

Protection class
IP 65

Material
Cast aluminium
BEGA NeoGlass®

48 VDC
External power supply unit required
on/off · DALI controllable
Must be ordered separately

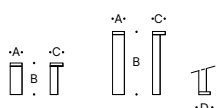
Light source
BEGA LED module

LED colour temperature
3000 K

Luminaire colour
BEGA Unidure®

 Graphite
Order number

 Silver
Article number + A



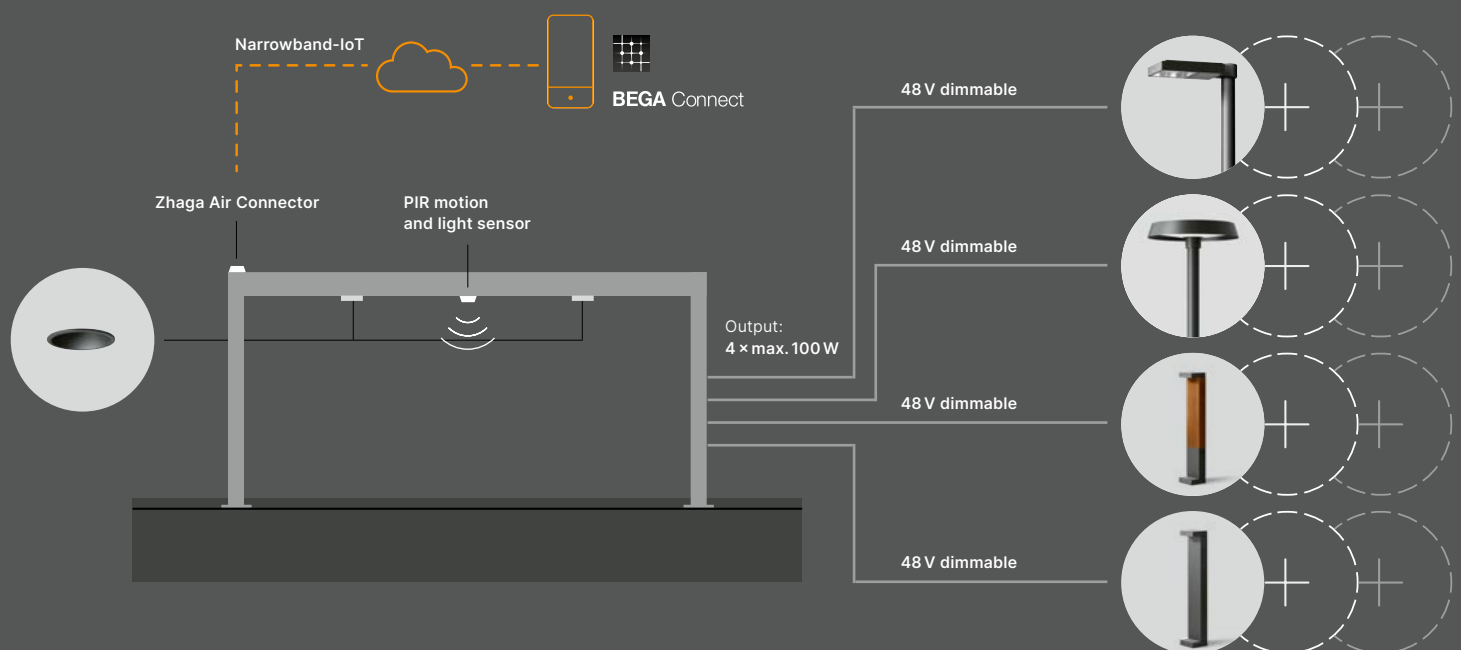
Height 200 mm

				Connection	A	B	C	D
85 437	with anchorage unit	4.7 W	305 lm	Terminal clamps 2 × 1.5 □	75	200	80	—
85 438	with screw-on base	4.7 W	305 lm	Terminal clamps 2 × 1.5 □	75	215	80	65

Height 400 mm

				Connection	A	B	C	D
85 439	with anchorage unit	8.0 W	495 lm	Terminal clamps 2 × 1.5 □	75	400	80	—
85 440	with screw-on base	8.0 W	495 lm	Terminal clamps 2 × 1.5 □	75	415	80	65







Protection class
IP 65

Material
Aluminium frame

Electronics
8 solar panels 3440 Wp · Charge controller
Battery 5376 Wh integrated component
of the roof structure

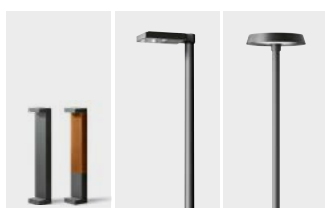
4 dimmable luminaire channels · 4 VDC
Max. output 100 W each

Control system
Zhaga Air Connector
Integrated PIR motion and light sensor
2 jointly dimmable recessed ceiling luminaires
24789K3 integrated

Colour
BEGA Unidure®



Graphite



Compatible luminaires can be found on the following double page

BEGA SolarHub Shade

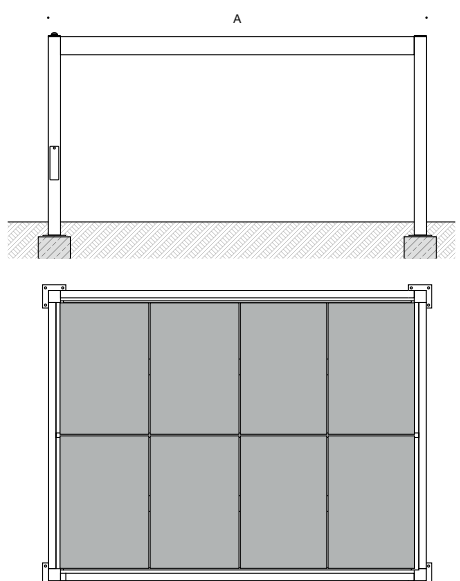
Protected lounge – self-sufficient lighting system

BEGA SolarHub Shade offers an self-sufficient, decentralised energy supply for protected lounges in the outdoor area. The solar panel, battery and intelligent energy management are combined in a single compact system. In addition to illuminating the shelter itself, the system provides a 48-volt operating voltage for external luminaires. Bollards, pole-top luminaires and other products from the 48 V product range can additionally be operated independently via a central power supply – even in hard-to-reach areas.

Two roof-integrated spots create attractive, uniform illumination within the sheltered lounge area. Light and motion sensors automatically adjust the lighting to twilight and presence. The wireless integration via BEGA Connect allows for convenient control, monitoring and sensor configuration.

BEGA SolarHub Shade supplies up to four individually switchable and dimmable channels with a maximum system output of 400 watts. Cable runs of up to 100 metres per line are possible. The battery is an integral part of the roof structure.

With its minimalist and robust construction, the system is ideally suited for locations without existing infrastructure – like nature reserves or sensitive landscapes where lighting is required.



BEGA SolarHub Shade

	A	B	C	D
95 068	5000	2450	3820	200

BEGA SolarHub system luminaires
Bollards and pole-top luminaires 48 V DC

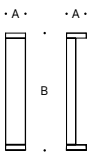
Bollards and pole-top luminaires designed specifically for operation with the BEGA SolarHub Shade are powered directly via the integrated 48-volt supply. They require no external power connection and create targeted illumination of footpaths, open areas and the immediate surroundings of the shelter.

All luminaires are designed as dark-sky-compliant versions and meet the requirements of nature-sensitive environments. Ensuring precise light control and minimised stray light, illumination is directed exactly onto the required surfaces while protecting the night sky. In combination with the system's intelligent control and sensor technology, this creates demand-oriented, discreet outdoor lighting that provides orientation while preserving the environment and landscape.

Detailed technical data for the individual luminaires can be found on our website.



- Protection class**
IP 65
- Material**
Cast aluminium,
BEGA NeoGlass®, Accoya® wood
- 48 VDC**
Power supply via a SolarHub
integrated power supply unit, controllable
- BEGA Constant Optics®**
- Light source**
BEGA LED module
- LED colour temperature**
3000K
- Luminaire colour**
BEGA Unidure®
 Graphite



Bollards				A	B	Anch. unit
Wide flat beam light distribution						
85 546		9.2 W	865 lm	160 × 160	1040	70 895
85 545	with Accoya® wood	9.2 W	855 lm	160 × 160	1040	70 895





Protection class
IP 65

Material
Cast aluminium,
Synthetic cover with
optical structure, Accoya® wood

48 VDC
Power supply via a SolarHub
integrated power supply unit, controllable

BEGA Constant Optics®

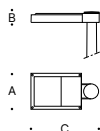
Light source
BEGA LED module

LED colour temperature
3000K

Luminaire colour
BEGA Unidure®



Graphite



Pole-top luminaires
Asymmetrical flat beam light distribution

			A	B	C
85 543	18.8 W	2345 lm	240	60	450



Pole-top luminaires
asymmetrical flat beam light distribution

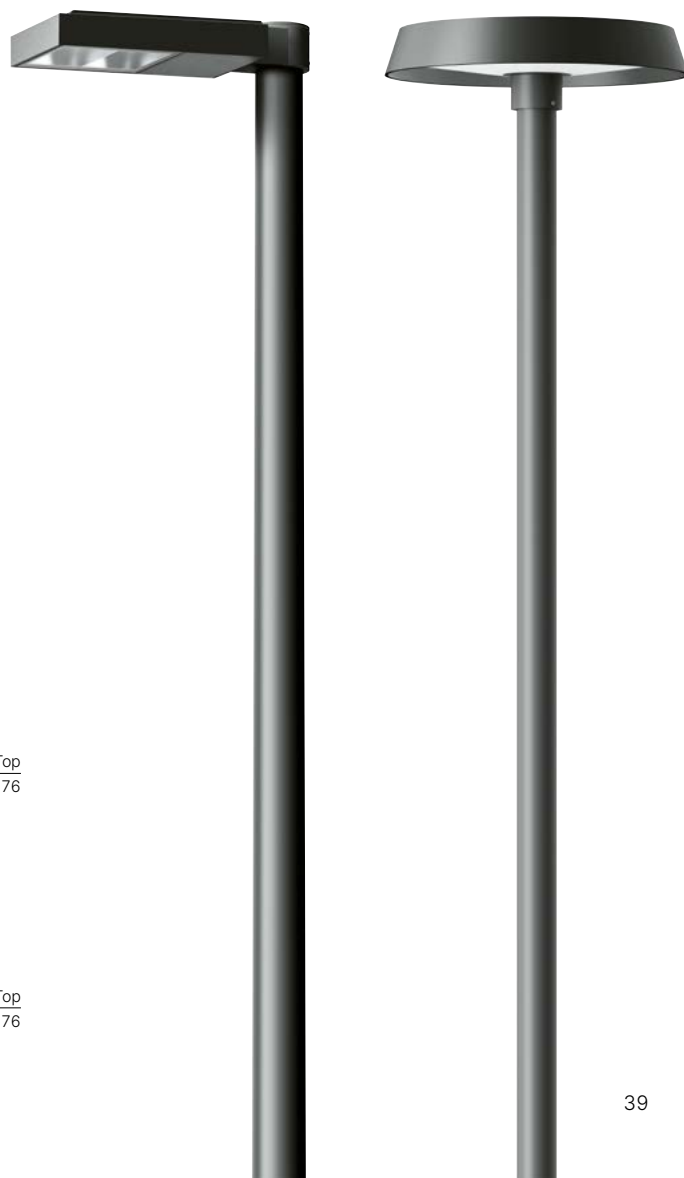
			A	B
85 544	17.5 W	1600 lm	400	150

Luminaire poles

for pole heights	Top
4000–6000	Ø 76

Luminaire poles

for pole heights	Top
2500–4000	Ø 76



Power supply units 48 VDC

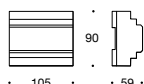
on/off- or DALI power supply units in the housing or for DIN rail mounting

48V

Luminaires designed for operation with 48 V DC are supplied via an external power supply unit, available either as a housing-integrated version or for DIN rail mounting. Multiple luminaires can be operated using a single power supply unit, provided the maximum rated output is not exceeded.

Power supply units inside the housing are available as an on/off version or with a DALI interface. For DIN rail mounting, operation requires an on/off power supply unit, which must be supplemented with a DALI-PWM converter for DALI control. One DALI-PWM converter is required per DALI address.

Power supply units are accessories and must be ordered separately.

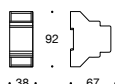


Electronic power supply unit · 48 VDC · 0–150 W

Input voltage: 220–240 V ~ 0/50–60 Hz
Output voltage: 48 VDC

Protection class IP 65
Cast aluminium

13 680 on/off 0–150 W



DALI-PWM converter · 48 VDC · 0–100 W

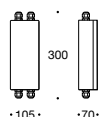
DALI-PWM converter: allows the switching and dimming of 48 V luminaires via DALI

Input: DALI · 48 VDC
Output: 48 VDC PWM

A separate 48 VDC power supply unit is required.

For DIN rail mounting

13 681 0–100 W



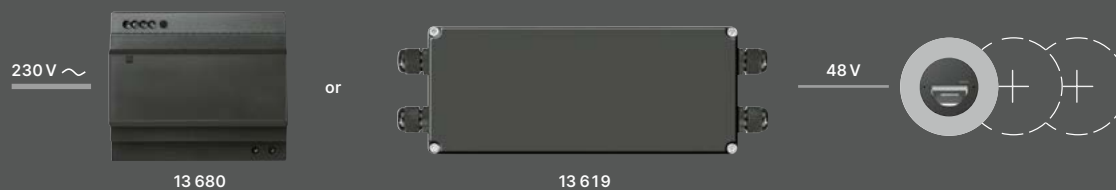
Electronic power supply units · 48 VDC · 0–100 W

Input voltage: 220–240 V ~ 0/50–60 Hz
Output voltage: 48 VDC

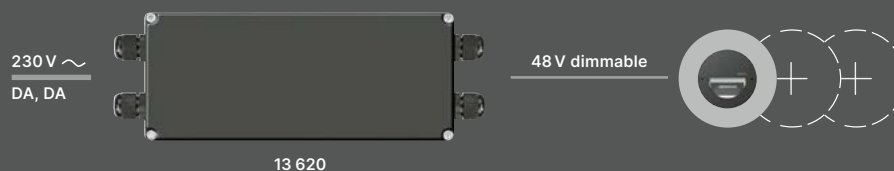
Protection class IP 65
Cast aluminium

13 619 on/off 0–100 W
13 620 DALI 0–100 W

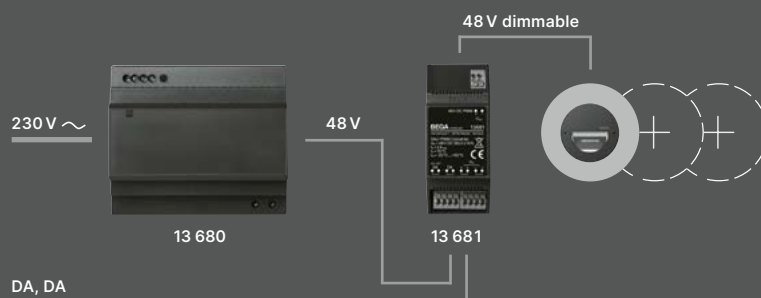
on/off controller



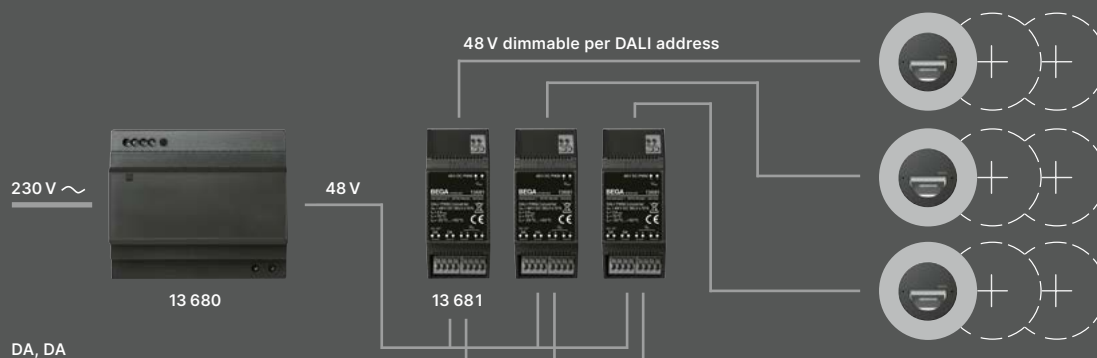
DALI controller with 1 DALI address



DALI controller with 1 DALI address



DALI controller with several DALI addresses





Louvres and optical filters for floodlights and in-ground luminaires 48 V

Through the targeted use of louvres and optical filters, the light intensity distribution can be finely differentiated and precisely matched to the respective visual tasks. Stray light is reduced, glare is minimised and the light direction is clearly defined. The result is precise light images of high visual quality that effectively support architecture and objects.

Easy installation ensures that the louvres and optical filters can be aligned accurately to on-site conditions.

Louvres and optical filters are accessories and must be ordered separately.



Louvre



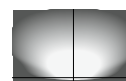
for floodlights

Symmetrical	Euro	Asymmetrical	Euro	Honeycomb	Euro
71 374 ø 42.5	15.90	71 375 ø 42.5	15.90	71 376 ø 42.5	15.90
71 377 ø 62.5	18.20	71 378 ø 62.5	18.20	71 379 ø 62.5	18.20

for in-ground luminaires

Symmetrical	Euro	Asymmetrical	Euro	Honeycomb	Euro
71 377 ø 62.5	18.20	71 378 ø 62.5	18.20	71 379 ø 62.5	18.20

Optical filters



for floodlights

Very wide beam	Euro	Flat beam	Euro	Asymmetrical	Euro
71 380 ø 42.5	22.00	71 381 ø 42.5	22.00	71 382 ø 42.5	22.00
71 383 ø 62.5	25.10	71 384 ø 62.5	25.10	71 385 ø 62.5	25.10

for in-ground luminaires

Very wide beam	Euro	Flat beam	Euro	Asymmetrical	Euro
71 383 ø 62.5	25.10	71 384 ø 62.5	25.10	71 385 ø 62.5	25.10

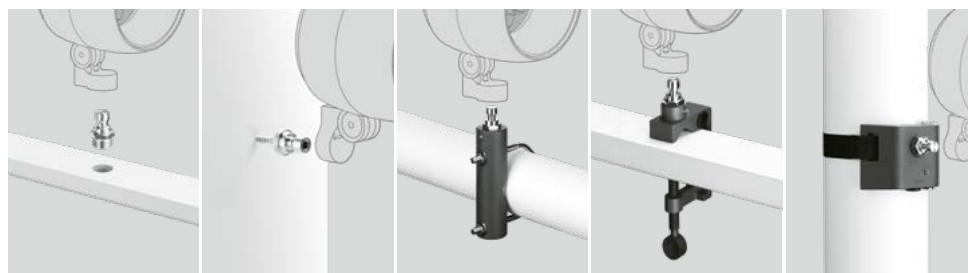
Connection components

for 48 V floodlights with connection adapter

BEGA floodlights with connection adapter can be combined flexibly with a wide range of accessories to allow installations on trees, pipes or wooden structures. The floodlight and accessory are quickly and easily screwed together via a secure mechanical connection.

All 48 V floodlights with connection adapter are factory equipped with five-meter-long connection cable. The electrical connection is made via the 48 V system and corresponding system components.

Connection components are accessories and must be ordered separately.



71 227

71 226

71 224

71 223

71 225



Accessories for floodlights with connection adapter

	Euro
71 227 G½ fastener with connection adapter	24.00
71 226 General fastener with connection adapter	41.70
71 224 Tube clamp with connection adapter	81.20
71 223 Screw clamp with connection adapter	83.70
71 225 Tension strap with connection adapter	156.20



The **BEGA Competence Centre** in Menden offers a comprehensive overview of our portfolio of high-quality indoor and outdoor luminaires for private and architectural applications.

BEGA Showrooms

Our website, catalogues and brochures offer a good overview of our product range. However, the most visible expression of the quality and beauty of our luminaires is the original product itself. The high-quality workmanship and clear design language of our luminaires are particularly evident in our showrooms.

There you can view and experience our sustainable lighting technology, as well as the quality of workmanship and usability. We look forward to seeing you!

→ bega.com/showrooms

Imprint

Published by: BEGA, Menden
Print: Fromm + Rasch, Osnabrück
Lithography: RGI, Dortmund

The concept, design and photography are the joint work of our company's designers and creative staff.

BEGA Gantenbrink-Leuchten KG
PO Box 3160 · 58689 Menden
Hennenbusch 1 · 58708 Menden
Germany
Phone + 49 2373 966-0
www.bega.com · info@bega.com

We reserve the right to make changes to the technology and design.
Colour deviations due to printing processes are possible.

© BEGA · 03/2026

For picture material made available to us, we wish to thank:
Justin Maconochie | Dreamstime

BEGA