



DecoScene LED – magical light from below

DecoScene LED BBP623

Whether floodlighting a piece of architecture or creating accent effects, for many designers the ideal luminaire would be invisible. With their recessed housings, in-ground floodlights are about as close as it gets to this ideal situation. DecoScene LED has been designed to deliver the optimal upward lighting effect – from high-powered floodlighting to more subtle effects such as accent lighting. Its unique collimating optic delivers a uniform light output and ensures optimum color mixing. Square and round housings fit snugly into paving, concrete or grass, leaving the surface flush and unobtrusive during the day. The combination of the latest LED technology and best-in-class optics makes DecoScene LED a totally flexible solution – easy to install, no matter where, and creating a perfect lighting effect.

Benefits

- Best-in-class optical efficacy and very good color mixing
- No glue used: allows serviceability and greater recyclability at end-of-life
- Design facilitates use with conventional DecoScene products and integration into projects.

Features

- Two types of white (2700 or 4000 K), three solid colors (red, green, blue), as well as tunable-white and RGB versions
- Choice of three different circular beams from narrow 12° to wide 40°
- Asymmetrical optic for wall-washing effects on façades

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Application

- Classical and modern buildings
- Bridges and structures
- Monuments and sculptures
- Parks and gardens

Specifications

Type	BBP623
Light source	Built-in LED-module
Power (+/-10%)	54 W (White)
Beam angle	12° (narrow beam), 24° (medium beam), 40° (wide beam) and asymmetrical beam
Luminous flux	2,460 lm (warm white, 2,700 K) or 3,050 lm (neutral white, 4,000 K)
Fixture efficacy	45.5 lm/W (warm white, 2,700 K) or 56.4 lm/W (neutral white, 4,000 K)
Correlated Colour Temperature	Warm white: 2,700 K, neutral white: 4,000 K
Colour Rendering Index	> 80 (2700 K), > 75 (4000 K)
Lumen maintenance at median useful life*	min L80
100,000 h	
Control gear failure rate at median useful life	10%
100,000 h	
Performance Ambient Temperature Tq	+25 °C
Operating temperature range	-20 to 35 °C

Driver	Built-in (self ballasted LED-module)
Mains voltage	100-277 V AC / 50-60 Hz
Inrush current	35 A/350 µs
Optical cover	Extra white glass (+10% transmission)
Material	Housing, front ring: high-pressure die-cast aluminium Recessed tube: steel, galvanised Gaskets: silicone rubber Optical cover: glass, extra white, tempered, 19 mm thick
Colour	Front ring: ultra-dark grey, RAL10714 Other RAL or AKZO Futura colours available on request
Connection	Via the connection box, push-in connector, 3-pole mains
Maintenance	Driver access by opening the driver box under the housing
Installation	Ground mounting at the recessed tube Operating temperature: -20°C < T Tilting of the fixture +/- 20° Static load: 5,000 kg
Cable gland	2 x M20 for mains cables and through-wiring facilities
Remarks	Fixtures can be marine-salt protected on request Compliant with IEC 598 and EN60598 Safety classes: class I, class II IP67 - IK10

Product details



Recessed mounting box



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Product details



Wide beam



Medium beam



Narrow beam



OPPG_BB621i_0001-
Productguide photo

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Application conditions	
Maximum dimming level	Not applicable
Approval and application	
Mech. impact protection code	IK10
Surge protection (common/differential)	Luminaire surge protection level up to 4 kV differential mode and 4 kV common mode
Controls and dimming	
Dimmable	No
General information	
CE mark	Yes
Coating	-
Optical cover/lens type	GC
Driver included	Yes
Flammability mark	NO
Glow-wire test	650/5
Green flagship mark	Green Flagship
Lamp family code	LED-HB
Light source replaceable	Yes
Lamp version	2S
Number of gear units	1 unit
Number of light sources	34
Product family code	BBP623
Lifetime to 70% luminous flux	50000 h
Light technical	
Standard tilt angle side entry	-
Standard tilt angle post-top	-
Upward light output ratio	0.03
Mechanical and housing	
Colour	Gray

General information

Order Code	Full Product Name	Luminaire light	Light source	Optic type
		beam spread	colour	
41902000	BBP623 34xLED-HB/NW I NB GC GR RMR	12°	Neutral white	Narrow beam
41903700	BBP623 34xLED-HB/NW I MB GC GR RMR	24°	Neutral white	Medium beam
41904400	BBP623 34xLED-HB/NW I WB GC GR RMR	38°	Neutral white	Wide beam
41905100	BBP623 34xLED-HB/NW I A GC GR RMR	12°	Neutral white	Asymmetrical
41906800	BBP623 34xLED-HB/NW II NB GC GR RMR	12°	Neutral white	Narrow beam
41907500	BBP623 34xLED-HB/NW II MB GC GR RMR	24°	Neutral white	Medium beam
41908200	BBP623 34xLED-HB/NW II WB GC GR RMR	38°	Neutral white	Wide beam
41909900	BBP623 34xLED-HB/NW II A GC GR RMR	12°	Neutral white	Asymmetrical
41910500	BBP623 34xLED-HB/WW I NB GC GR RMR	12°	Warm white	Narrow beam
41911200	BBP623 34xLED-HB/WW I MB GC GR RMR	24°	Warm white	Medium beam
41912900	BBP623 34xLED-HB/WW I WB GC GR RMR	38°	Warm white	Wide beam
41913600	BBP623 34xLED-HB/WW I A GC GR RMR	12°	Warm white	Asymmetrical
41914300	BBP623 34xLED-HB/WW II NB GC GR RMR	12°	Warm white	Narrow beam
41915000	BBP623 34xLED-HB/WW II MB GC GR RMR	24°	Warm white	Medium beam
41916700	BBP623 34xLED-HB/WW II WB GC GR RMR	38°	Warm white	Wide beam
41917400	BBP623 34xLED-HB/WW II A GC GR RMR	12°	Warm white	Asymmetrical

Initial performance (IEC compliant)

Order Code	Full Product Name	Init. Colour		
		Init. Corr. Colour Temperature	rendering index	Initial luminous flux
41902000	BBP623 34xLED-HB/NW I NB GC GR RMR	4000 K	70	4250 lm
41903700	BBP623 34xLED-HB/NW I MB GC GR RMR	4000 K	70	4250 lm
41904400	BBP623 34xLED-HB/NW I WB GC GR RMR	4000 K	70	4250 lm
41905100	BBP623 34xLED-HB/NW I A GC GR RMR	4000 K	70	4250 lm

Order Code	Full Product Name	Init. Colour		
		Init. Corr. Colour Temperature	rendering index	Initial luminous flux
41906800	BBP623 34xLED-HB/NW II NB GC GR RMR	4000 K	70	4250 lm
41907500	BBP623 34xLED-HB/NW II MB GC GR RMR	4000 K	70	4250 lm
41908200	BBP623 34xLED-HB/NW II WB GC GR RMR	4000 K	70	4250 lm
41909900	BBP623 34xLED-HB/NW II A GC GR RMR	4000 K	70	4250 lm

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Order Code	Full Product Name	Init. Colour		
		Init. Corr. Colour Temperature	rendering index	Initial luminous flux
41910500	BBP623 34xLED-HB/WW I NB GC GR RMR	2700 K	80	3427 lm
41911200	BBP623 34xLED-HB/WW I MB GC GR RMR	2700 K	80	3427 lm
41912900	BBP623 34xLED-HB/WW I WB GC GR RMR	2700 K	80	3427 lm
41913600	BBP623 34xLED-HB/WW I A GC GR RMR	2700 K	80	3427 lm

Order Code	Full Product Name	Init. Colour		
		Init. Corr. Colour Temperature	rendering index	Initial luminous flux
41914300	BBP623 34xLED-HB/WW II NB GC GR RMR	2700 K	80	3427 lm
41915000	BBP623 34xLED-HB/WW II MB GC GR RMR	2700 K	80	3427 lm
41916700	BBP623 34xLED-HB/WW II WB GC GR RMR	2700 K	80	3427 lm
41917400	BBP623 34xLED-HB/WW II A GC GR RMR	2700 K	80	3427 lm

