



# DecoScene LED – magical light from below

## DecoScene LED BBP621

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

# DecoScene LED BBP621

## Application

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

## Specifications

Type	BBP621
Light source	Built-in LED-module
Power (+/-10%)	28 W (White)
Beam angle	12° (narrow beam), 24° (medium beam) and 40° (wide beam)
Luminous flux	1,085 lm (warm white, 2,700 K) or 1,345 lm (neutral white, 4,000 K)
Fixture efficacy	38.7 lm/W (warm white, 2,700 K) or 48.0 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: plastic and stainless steel Gaskets: silicone rubber Optical cover: glass, extra white, tempered, 15 mm thick
Colour	Front ring: ultra-dark grey, RAL10714 Other RAL or AKZO Futura colours available on request
Connection	In the fixture, push-in connector 3-pole mains
Maintenance	Driver access by opening the bottom part of the housing with four Allen screws
Installation	Ground mounting at the recessed tube Fixture is pre-wired delivered a cable length of 2 m Operating temperature: - 20°C < T Tilting of the fixture: +/- 20° Static load: 3.000 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



OPDP\_BBP621i\_0001-Detail  
photo



OPDP\_BBP621i\_0003-Detail  
photo

DecoScene LED BBP621

Product details



Recessed mounting box



Wide beam



Medium beam



Narrow beam



OPPG\_BB621i\_0001-  
Productguide photo

DecoScene LED BBP621

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	15
Product family code	BBP621
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		
		beam spread	Light source colour	Optic type
41878800	BBP621 15xLED-HB/NW I NB GC GR RMR	12°	Neutral white	Narrow beam
41879500	BBP621 15xLED-HB/NW I MB GC GR RMR	24°	Neutral white	Medium beam
41880100	BBP621 15xLED-HB/NW I WB GC GR RMR	38°	Neutral white	Wide beam
41881800	BBP621 15xLED-HB/NW II NB GC GR RMR	12°	Neutral white	Narrow beam
41882500	BBP621 15xLED-HB/NW II MB GC GR RMR	24°	Neutral white	Medium beam
41883200	BBP621 15xLED-HB/NW II WB GC GR RMR	38°	Neutral white	Wide beam
41884900	BBP621 15xLED-HB/WW I NB GC GR RMR	12°	Warm white	Narrow beam
41885600	BBP621 15xLED-HB/WW I MB GC GR RMR	24°	Warm white	Medium beam
41886300	BBP621 15xLED-HB/WW I WB GC GR RMR	38°	Warm white	Wide beam
41887000	BBP621 15xLED-HB/WW II NB GC GR RMR	12°	Warm white	Narrow beam
41888700	BBP621 15xLED-HB/WW II MB GC GR RMR	24°	Warm white	Medium beam
41889400	BBP621 15xLED-HB/WW II WB GC GR RMR	38°	Warm white	Wide beam

Initial performance (IEC compliant)

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour	
			rendering index	Initial luminous flux
41878800	BBP621 15xLED-HB/NW I NB GC GR RMR	4000 K	70	1875 lm
41879500	BBP621 15xLED-HB/NW I MB GC GR RMR	4000 K	70	1875 lm
41880100	BBP621 15xLED-HB/NW I WB GC GR RMR	4000 K	70	1875 lm
41881800	BBP621 15xLED-HB/NW II NB GC GR RMR	4000 K	70	1875 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour	
			rendering index	Initial luminous flux
41882500	BBP621 15xLED-HB/NW II MB GC GR RMR	4000 K	70	1875 lm
41883200	BBP621 15xLED-HB/NW II WB GC GR RMR	4000 K	70	1875 lm
41884900	BBP621 15xLED-HB/WW I NB GC GR RMR	2700 K	80	1512 lm
41885600	BBP621 15xLED-HB/WW I MB GC GR RMR	2700 K	80	1512 lm

DecoScene LED BBP621

Order Code	Full Product Name	Init. Colour		
		Init. Corr. Colour Temperature	rendering index	Initial luminous flux
41886300	BBP621 15xLED-HB/WW I WB GC GR RMR	2700 K	80	1512 lm
41887000	BBP621 15xLED-HB/WW II NB GC GR RMR	2700 K	80	1512 lm

Order Code	Full Product Name	Init. Colour		
		Init. Corr. Colour Temperature	rendering index	Initial luminous flux
41888700	BBP621 15xLED-HB/WW II MB GC GR RMR	2700 K	80	1512 lm
41889400	BBP621 15xLED-HB/WW II WB GC GR RMR	2700 K	80	1512 lm

