



# 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 colour 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, creating a perfect lighting effect.

### Benefits

- Best-in-class optical efficacy and very good colour 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 colours (red, green, blue), as well as tuneable 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

<b>Type</b>	BBP621
<b>Light source</b>	Built-in LED module
<b>Power (+/-10%)</b>	28 W (White)
<b>Beam angle</b>	12° (narrow beam), 24° (medium beam) and 40° (wide beam)
<b>Luminous flux</b>	1085 lm (warm white, 2700 K) or 1345 lm (neutral white, 4000 K)
<b>Fixture efficacy</b>	38.7 lm/W (warm white, 2700 K) or 48.0 lm/W (neutral white, 4000 K)
<b>Correlated Colour</b>	Warm white: 2700 K, neutral white: 4000 K
<b>Temperature</b>	Tuneable white: 2700 to 6500 K
<b>Colour Rendering Index</b>	> 80 (2700 K), > 75 (4000 K)
<b>Maintenance of lumen output - L70</b>	50,000 hours

<b>Driver failure rate</b>	5% per 60,000 hours
<b>Operating temperature range</b>	-20 to 35°C
<b>Driver</b>	Built-in (self ballasted LED module)
<b>Mains voltage</b>	100-277 V AC / 50-60 Hz
<b>Inrush current</b>	35 A / 350 µs
<b>Dimming</b>	DMX 512 control and RDM discovery and addressing, one address per fixture
<b>Options</b>	Possibilities to have on request DMX protocol for all versions with RDM discovery and addressing

## Specifications

<b>Optical cover</b>	Extra white glass (+10% transmission) for all Mono Colour versions and frosted glass for RGB or TWH versions
<b>Material</b>	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
<b>Colour</b>	Front ring: ultra dark grey, RAL10714 Other RAL or AKZO Futura colours available on request
<b>Connection</b>	In the fixture, push-in connector 3-pole mains and control signal
<b>Maintenance</b>	Driver access by opening the bottom part of the housing with four Allen screws
<b>Installation</b>	Ground mounting in the recessed tube Fixture is pre-wired delivered with 2 m cable Operating temperature: - 20°C < T Tilting of the fixture: +/- 20° Static load: 3000 kg

<b>Cable gland</b>	2 x M20 for mains cables and through wiring facilities 2 x M12 for data cables (data IN and OUT in case of dynamic version)
<b>Remarks</b>	Static versions available in 2 types of white (warm white - WW, 2700 K or neutral white - NW, 4000 K) as well as 3 solid colours (red, blue, green), amber is available on request Dynamic versions are available in RGB and TWH (tuneable white based on 2700 K, 4000 K and 6500 K LEDs) All monochromatic versions are also available on request with DMX protocol Fixtures can be marine salt protected on request Compliant with IEC 598 and EN60598 Safety classes: Class I, Class II IP67 - IK10

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## Versions

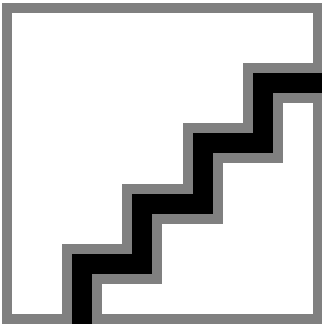


DecoScene LED BBP621

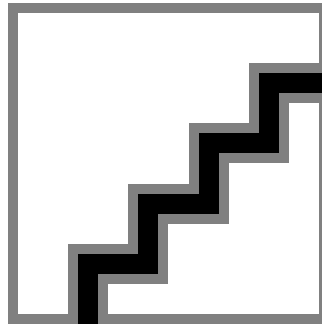


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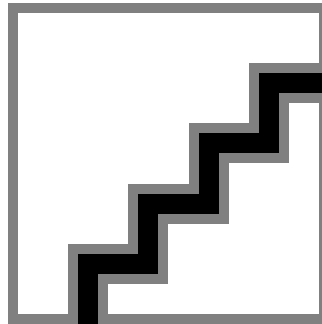
## Product details



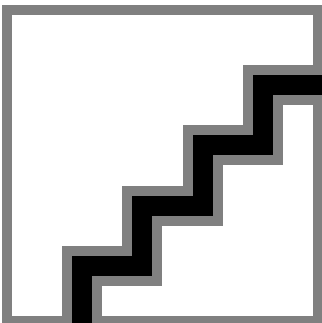
OPDP\_BBP621i\_0001-Detail photo



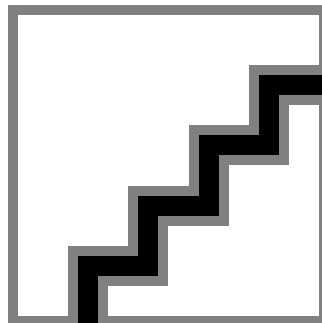
OPDP\_BBP621i\_0003-Detail photo



OPDP\_BBP621i\_0009-Detail photo



OPDP\_BBP621i\_0011-Detail photo



OPDP\_BBP621i\_0013-Detail photo

# DecoScene LED BBP621

## 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

## General Information

CE mark	CE mark
Coating	-
Driver included	Yes
Flammability mark	NO
Glow-wire test	Temperature 650 °C, duration 5 s
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 posttop	-
Upward light output ratio	0.03

## Mechanical and Housing

Colour	Grey
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## Application Conditions

Order Code	Full Product Name	Maximum dim level
41878800	BBP621 15xLED-HB/NW I NB GC GR RMR	Not applicable
41879500	BBP621 15xLED-HB/NW I MB GC GR RMR	Not applicable
41880100	BBP621 15xLED-HB/NW I WB GC GR RMR	Not applicable
41884900	BBP621 15xLED-HB/WW I NB GC GR RMR	Not applicable
41885600	BBP621 15xLED-HB/WW I MB GC GR RMR	Not applicable
41886300	BBP621 15xLED-HB/WW I WB GC GR RMR	Not applicable
41890000	BBP621 15xLED-HB/RGB I NB GF GR DMX RMR	0% (digital)
41891700	BBP621 15xLED-HB/RGB I MB GF GR DMX RMR	0% (digital)
41892400	BBP621 15xLED-HB/RGB I WB GF GR DMX RMR	0% (digital)
41896200	BBP621 15xLED-HB/TWH I NB GF GR DMX RMR	0% (digital)
41898600	BBP621 15xLED-HB/TWH I WB GF GR DMX RMR	0% (digital)

## Controls and Dimming

Order Code	Full Product Name	Dimmable
41878800	BBP621 15xLED-HB/NW I NB GC GR RMR	No
41879500	BBP621 15xLED-HB/NW I MB GC GR RMR	No
41880100	BBP621 15xLED-HB/NW I WB GC GR RMR	No
41884900	BBP621 15xLED-HB/WW I NB GC GR RMR	No
41885600	BBP621 15xLED-HB/WW I MB GC GR RMR	No
41886300	BBP621 15xLED-HB/WW I WB GC GR RMR	No

Order Code	Full Product Name	Dimmable
41890000	BBP621 15xLED-HB/RGB I NB GF GR DMX RMR	Yes
41891700	BBP621 15xLED-HB/RGB I MB GF GR DMX RMR	Yes
41892400	BBP621 15xLED-HB/RGB I WB GF GR DMX RMR	Yes
41896200	BBP621 15xLED-HB/TWH I NB GF GR DMX RMR	Yes
41898600	BBP621 15xLED-HB/TWH I WB GF GR DMX RMR	Yes

## General Information

Order Code	Full Product Name	Luminaire		Optical	
		light beam spread	Light source colour	cover/ lens type	Optic type
41878800	BBP621 15xLED-HB/NW I NB GC GR RMR	12°	Neutral white	GC beam	Narrow beam

Order Code	Full Product Name	Luminaire		Optical	
		light beam spread	Light source colour	cover/ lens type	Optic type
41879500	BBP621 15xLED-HB/NW I MB GC GR RMR	24°	Neutral white	GC beam	Medium beam

## DecoScene LED BBP621

Order Code	Full Product Name	Luminaire	Light source	Optical	
		light beam spread	colour	cover/ lens type	Optic type
41880100	BBP621 15xLED-HB/NW I WB GC GR RMR	38°	Neutral white	GC	Wide beam
41884900	BBP621 15xLED-HB/WW I NB GC GR RMR	12°	Warm white	GC	Narrow beam
41885600	BBP621 15xLED-HB/WW I MB GC GR RMR	24°	Warm white	GC	Medium beam
41886300	BBP621 15xLED-HB/WW I WB GC GR RMR	38°	Warm white	GC	Wide beam
41890000	BBP621 15xLED-HB/RGB I NB GF GR DMX RMR	12°	Red, green and blue	GF	Narrow beam

Order Code	Full Product Name	Luminaire	Light source	Optical	
		light beam spread	colour	cover/ lens type	Optic type
41891700	BBP621 15xLED-HB/RGB I MB GF GR DMX RMR	24°	Red, green and blue	GF	Medium beam
41892400	BBP621 15xLED-HB/RGB I WB GF GR DMX RMR	38°	Red, green and blue	GF	Wide beam
41896200	BBP621 15xLED-HB/TWH I NB GF GR DMX RMR	12°	Tunable white	GF	Narrow beam
41898600	BBP621 15xLED-HB/TWH I WB GF GR DMX RMR	24°	Tunable white	GF	Wide beam

### Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour	Initial
			Rendering Index	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
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
41886300	BBP621 15xLED-HB/WW I WB GC GR RMR	2700 K	80	1512 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour	Initial
			Rendering Index	luminous flux
41890000	BBP621 15xLED-HB/RGB I NB GF GR DMX RMR	- K	80	1329 lm
41891700	BBP621 15xLED-HB/RGB I MB GF GR DMX RMR	- K	80	1329 lm
41892400	BBP621 15xLED-HB/RGB I WB GF GR DMX RMR	- K	80	1329 lm
41896200	BBP621 15xLED-HB/TWH I NB GF GR DMX RMR	- K	80	1725 lm
41898600	BBP621 15xLED-HB/TWH I WB GF GR DMX RMR	- K	80	1725 lm

