



DecoScene LED BBP623

BBP623 34xLED-HB/RGB I A GF GR DMX RMR

DecoScene LED Accent - 34 pcs - LED High Brightness - Asymmetrical - Glass frosted - Dynamic DMX - Recessed mounting box round

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.

Product data

General Information			
Number of light sources	34 pcs	Luminaire light beam spread	12°
Lamp family code	LED-HB [LED High Brightness]	Embedded control	Dynamic DMX
Lamp version	2S [2nd generation, screw fixation]	Control interface	Dynamix DMX
Light source color	Red, green and blue	Connection	-
Light source replaceable	Yes	Cable	Cable 3.0 m without plug
Number of gear units	1 unit	Protection class IEC	Safety class I
Driver/power unit/transformer	Power supply unit	Shape	Round version - to be replaced by RND
Driver included	Yes	Coating	-
Optical cover/lens type	Glass frosted	Glow-wire test	Temperature 650 °C, duration 5 s
		Flammability mark	-

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CE mark	CE mark
ENEC mark	ENEC mark
Green Flagship mark	Green Flagship
Lifetime to 70% luminous flux	50000 h
Warranty period	3 years
Mechanical accessories	-
Decorative accessories	-
Optic type outdoor	Asymmetrical
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore the median useful life (B50) value also represents the B10 value. * At extreme ambient temperatures the luminaire might automatically dim down to protect components
Constant light output	No
Number of products on MCB of 16 A type B	32
EU RoHS compliant	Yes
Light source engine type	LED
Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts
Product family code	BBP623 [DecoScene LED Accent]

Light Technical

Upward light output ratio	0.03
Standard tilt angle posttop	-
Standard tilt angle side entry	-

Operating and Electrical

Input Voltage	100 to 277 V
Input Frequency	50 to 60 Hz
Inrush current	35 A
Inrush time	0.35 ms
Power Factor (Min)	0.8

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Tempered glass
Fixation material	Steel

Mounting device	Recessed mounting box round
Optical cover/lens shape	Convex lens
Optical cover/lens finish	Frosted
Overall height	382 mm
Overall diameter	350 mm
Effective projected area	0 m ²
Color	Gray
Dimensions (Height x Width x Depth)	382 x NaN x NaN mm (15 x NaN x NaN in)

Approval and Application

Ingress protection code	IP67 [Dust penetration-protected, watertight]
Mech. impact protection code	IK10 [20 J vandal-resistant]
Surge Protection (Common/Differential)	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	2300 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	47.3 lm/W
Init. Corr. Color Temperature	- K
Init. Color Rendering Index	80
Initial chromaticity	(0.465, 0.630) SDCM <3
Initial input power	48.6 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L80

Application Conditions

Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	0% (digital)

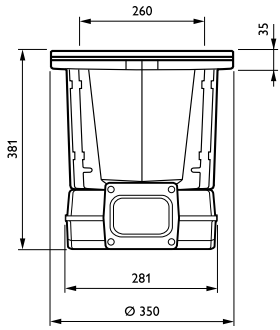
Product Data

Full product code	871829141921100
Order product name	BBP623 34xLED-HB/RGB I A GF GR DMX RMR
EAN/UPC - Product	8718291419211
Order code	910403951812
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910403951812
Net Weight (Piece)	15.400 kg



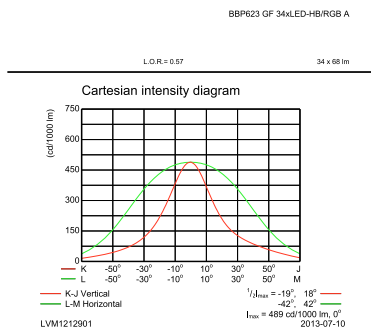
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Dimensional drawing



DecoScene LED Accent BBP621/623

Photometric data



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