



# DecoScene LED BBP623

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

DecoScene LED Accent - 34 pcs - LED High Brightness - Wide beam - 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 [ 34 pcs]	Luminaire light beam spread	38°
Lamp family code	LED-HB [ LED High Brightness]	Embedded control	DMX [ Dynamic DMX]
Lamp version	2S [ 2nd generation, screw fixation]	Control interface	Dynamix DMX
Light source colour	Red, green and blue	Connection	No [ -]
Light source replaceable	Yes	Cable	Cable 3.0 m without plug (C3K)
Number of gear units	1 unit	Protection class IEC	Safety class I (I)
Driver/power unit/transformer	PSU [ Power supply unit]	Shape	Round version - to be replaced by RND
Driver included	Yes	Coating	-
Optical cover/lens type	GF [ Glass frosted]	Glow-wire test	650/5 [ Temperature 650 °C, duration 5 s]
		Flammability mark	NO [ -]

# DecoScene LED BBP623

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	No [-]
Decorative accessories	No [-]
Optic type outdoor	Wide beam
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the 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 (16 A type B)	32
EU RoHS compliant	Yes
Light source engine type	LED
Serviceability class	Class A, the 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 post-top	-
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	RMR [ 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 <sup>2</sup>
Colour	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 up to 4 kV differential mode and 4 kV common mode

## Initial Performance (IEC Compliant)

Initial luminous flux	2300 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	47.3 lm/W
Init. Corr. Colour Temperature	- K
Init. Colour rendering index	-
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 100,000 h	10 %
Lumen maintenance at median useful life* 100,000 h	L80

## Application Conditions

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

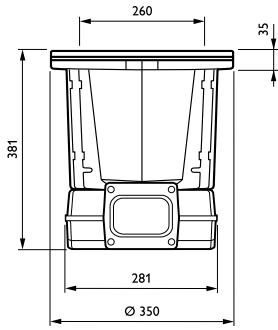
## Product Data

Full product code	871829141920400
Order product name	BBP623 34xLED-HB/RGB I WB GF GR DMX RMR
EAN/UPC – product	8718291419204
Order code	41920400
SAP numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	910403951712
SAP net weight (piece)	15.400 kg



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## Dimensional drawing



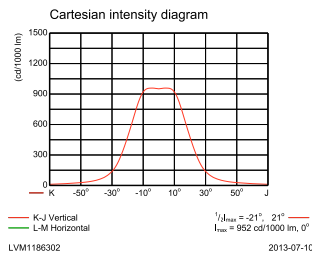
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## Photometric data

BBP623 GF 34xLED-HB/RGB WB

L.O.R.=0.54

34 x 68 mm



OFCC\_BBP623 GF 34xLED-HB/RGB WB-Cartesian Outdoor (combined)

