DecoScene LED BBP623

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

DecoScene LED Accent, 34, LED High Brightness, Narrow 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 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.

Product data

General Information

Lamp family code	LED-HB [LED High Brightness]
Light source replaceable	Yes
Number of gear units	Unit
Driver included	Yes
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
Light source engine type	LED
Product family code	BBP623 [DecoScene LED Accent]
Lighting Technology	LED
Value ladder	Performance
Embedded control	Dynamic DMX
CE mark	Yes
Warranty period	3 years

DecoScene LED BBP623

Flammability mark	–		**Housing Colour**	Grey
ENEC mark	ENEC mark		**Mounting device**	Recessed mounting box round
Glow-wire test	Temperature 650 ℃, duration 5 s		**Optical cover/lens shape**	Convex lens
EU RoHS compliant	Yes		**Optical cover/lens finish**	Frosted
			Overall height	382 mm
Light Technical			**Overall diameter**	350 mm
Upwards light output ratio	0.03		**Effective projected area**	0 m²
Luminous Flux	2,300 lm			
Standard tilt angle post-top	–		**Approval and Application**	
Standard tilt angle side entry	–		**Ingress protection code**	IP67 [Dust penetration-protected, watertight]
Correlated Colour Temperature	–		**Mech. impact protection code**	IK10 [20 J vandal-resistant]
Luminous efficacy (rated) (nom.)	47.3 lm/W		**Surge Protection (Common/Differential)**	Luminaire surge protection level up to 4 kV
Colour rendering index (CRI)	–			differential mode and 4 kV common mode
Number of light sources	34		**Protection class IEC**	Safety class I
Light source colour	Red, green and blue			
Optical cover type	Glass frosted		**Initial Performance (IEC Compliant)**	
Luminaire light beam spread	12°		**Luminous flux tolerance**	+/-7%
Optic type outdoor	Narrow beam		**Initial chromaticity**	(0.465, 0.630) SDCM <3
			Power consumption tolerance	+/-10%
Operating and Electrical			**Init. Color Rendering Index Tolerance**	+/-2
Input Voltage	100 to 277 V			
Line Frequency	50 to 60 Hz		**Over Time Performance (IEC Compliant)**	
Inrush current	35 A		**Control gear failure rate at median useful life 100,000 h**	10 %
Inrush time	0.35 ms		**Lumen maintenance at median useful life* 100,000 h**	L80
Power Consumption	48.6 W			
Power Factor (Fraction)	0.8		**Application Conditions**	
Connection	–		**Performance ambient temperature Tq**	25 ℃
Cable	Cable 3.0 m without plug		**Maximum dim level**	0% (digital)
Number of products on MCB of 16 A type B	32			
			Product Data	
Temperature			**Order product name**	BBP623 34xLED-HB/RGB I NB GF GR DMX RMR
Ambient temperature range	–40 to +50 ℃		**Full product name**	BBP623 34xLED-HB/RGB I NB GF GR DMX RMR
Controls and Dimming			**Full EOC**	871829141918100
Dimmable	Yes		**Order code**	41918100
Driver/power unit/transformer	Power supply unit (On/Off)		**Material no. (12 NC)**	910403951512
Control interface	Dynamix DMX		**SAP numerator – quantity per pack**	1
Constant light output	No		**EAN/UPC — Product/Case**	8718291419181
			Numerator – packs per outer box	1
Mechanical and Housing			**EAN/UPC – Case**	8718291419181
Housing material	Aluminium			
Reflector material	–			
Optic material	Polycarbonate			
Optical cover/lens material	Tempered glass			
Fixation material	Steel			

DecoScene LED BBP623

Dimensional drawing

260
35
381
281
Ø 350

www.lighting.philips.com

2023, April 29 – data subject to change