DecoScene LED BBP623

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

DecoScene LED Accent, 34, 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 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

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Flammability mark	–	**Housing Colour**	Grey
ENEC mark	ENEC mark	**Mounting device**	Recessed mounting box round
Glow-wire test	Temperature 650 °C, 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 differential mode and 4 kV common mode
Colour rendering index (CRI)	–		
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	38°	**Luminous flux tolerance**	+/–7%
Optic type outdoor	Wide 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		
Power Consumption	48.6 W	**Lumen maintenance at median useful life* 100,000 h**	L80
Power Factor (Fraction)	0.8		
Connection	–	**Application Conditions**	
Cable	Cable 3.0 m without plug	**Performance ambient temperature Tq**	25 °C
Number of products on MCB of 16 A type B	32	**Maximum dim level**	0% (digital)
Temperature		**Product Data**	
Ambient temperature range	–40 to +50 °C	**Order product name**	BBP623 34xLED-HB/RGB I WB GF GR DMX RMR
Controls and Dimming		**Full product name**	BBP623 34xLED-HB/RGB I WB GF GR DMX RMR
Dimmable	Yes		
Driver/power unit/transformer	Power supply unit (On/Off)	**Full EOC**	871829141920400
Control interface	Dynamix DMX	**Order code**	41920400
Constant light output	No	**Material no. (12 NC)**	910403951712
		SAP numerator – quantity per pack	1
Mechanical and Housing		**EAN/UPC — Product/Case**	8718291419204
Housing material	Aluminium	**Numerator – packs per outer box**	1
Reflector material	–	**EAN/UPC – Case**	8718291419204
Optic material	Polycarbonate		
Optical cover/lens material	Tempered glass		
Fixation material	Steel		

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Dimensional drawing

www.lighting.philips.com

2023, April 29 – data subject to change