DecoScene LED BBP621

BBP621 15xLED-HB/NW I NB GC GR RMR

DecoScene LED Accent, 15, LED High Brightness, Narrow beam, Clear glass, 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	BBP621 [DecoScene LED Accent]
Lighting Technology	LED
Value ladder	Performance
Embedded control	–
CE mark	Yes

DecoScene LED BBP621

Warranty period	3 years	**Fixation material**	Steel
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**	Clear
		Overall height	430 mm
Light Technical		**Overall diameter**	200 mm
Upwards light output ratio	0.03	**Effective projected area**	0 m²
Luminous Flux	1,875 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	4000 K	**Mech. impact protection code**	IK10 [20 J vandal–resistant]
Luminous efficacy (rated) (nom.)	67.0 lm/W	**Surge Protection (Common/Differential)**	Luminaire surge protection level up to 4 kV
Colour rendering index (CRI)	70		differential mode and 4 kV common mode
Number of light sources	15	**Sustainability rating**	–
Light source colour	Neutral white	**Protection class IEC**	Safety class I
Optical cover type	Clear glass		
Luminaire light beam spread	12°	**Initial Performance (IEC Compliant)**	
Optic type outdoor	Narrow beam	**Luminous flux tolerance**	+/–7%
		Initial chromaticity	(0.367, 0.396) SDCM <3
Operating and Electrical		**Power consumption tolerance**	+/–10%
Input Voltage	100 to 277 V	**Init. Color Rendering Index Tolerance**	+/–2
Line Frequency	50 to 60 Hz		
Inrush current	35 A	**Over Time Performance (IEC Compliant)**	
Inrush time	0.35 ms	**Control gear failure rate at median useful life 100,000 h**	10 %
Power Consumption	28 W		
Power Factor (Fraction)	0.8	**Lumen maintenance at median useful life* 100,000 h**	L80
Connection	–		
Cable	Cable 3.0 m without plug		
Number of products on MCB of 16 A type B	32	**Application Conditions**	
		Performance ambient temperature Tq	25 °C
Temperature		**Maximum dim level**	Not applicable
Ambient temperature range	–40 to +50 °C		
		Product Data	
Controls and Dimming		**Order product name**	BBP621 15xLED–HB/NW I NB GC GR RMR
Dimmable	No	**Full product name**	BBP621 15xLED–HB/NW I NB GC GR RMR
Driver/power unit/transformer	Power supply unit (On/Off)	**Full EOC**	871829141878800
Control interface	–	**Order code**	41878800
Constant light output	No	**Material no. (12 NC)**	910403947512
		SAP numerator – quantity per pack	1
Mechanical and Housing		**EAN/UPC — Product/Case**	8718291418788
Housing material	Aluminium	**Numerator – packs per outer box**	1
Reflector material	–	**EAN/UPC – Case**	8718291418788
Optic material	Polycarbonate		
Optical cover/lens material	Tempered glass		

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Dimensional drawing

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2023, April 14 – data subject to change