DecoScene LED BBP621

BBP621 15xLED-HB/TWH II WB GF GR DMX RMR

DecoScene LED Accent, 15, 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. Round housing fits snugly into paving, concrete or grass, leaving the surface flush and unobtrusive during the day. The combination of the 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	
Lamp family code	LED-HB [LED High Brightness]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
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
Light source engine type	LED
Product family code	BBP621 [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 Color**	Grey
ENEC mark	ENEC mark		**Mounting device**	Recessed mounting box round
Glow-wire test	Temperature 650 ℃, duration 5 s		**Optical cover shape**	Convex lens
EU RoHS compliant	Yes		**Optical cover finish**	Frosted
			Overall height	430 mm
Light Technical			**Overall diameter**	200 mm
Upward light output ratio	0.03		**Effective projected area**	0 m²
Luminous Flux	1,725 lm			
Standard tilt angle posttop	–		**Approval and Application**	
Standard tilt angle side entry	–		**Ingress protection code**	IP67 [Dust penetration-protected, watertight]
Correlated Color Temperature (Nom)	2700 6500 K		**Mech. impact protection code**	IK10 [20 J vandal-resistant]
Luminous Efficacy (rated) (Nom)	61.6 lm/W		**Surge Protection (Common/Differential)**	Luminaire surge protection level until 4 kV
Color rendering index (CRI)	80			differential mode and 4 kV common mode
Number of light sources	15		**Protection class IEC**	Safety class II
Light source color	Tunable white			
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**	(0.585, 0.595) 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 100000 h**	10 %
Inrush time	0.35 ms			
Power Consumption	28 W		**Lumen maintenance at median useful life* 100000 h**	L80
Power Factor (Fraction)	0.8			
Connection	–		**Application Conditions**	
Cable	Cable 3.0 m without plug		**Performance ambient temperature Tq**	25 ℃
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 ℃		**Order product name**	BBP621 15xLED-HB/TWH II WB GF GR DMX RMR
Controls and Dimming			**Full product name**	BBP621 15xLED-HB/TWH II WB GF GR DMX RMR
Dimmable	Yes			
Driver/power unit/transformer	Power supply unit (On/Off)		**Full product code**	871829141901300
Control interface	Dynamix DMX		**Order code**	910403949812
Constant light output	No		**Material Nr. (12NC)**	910403949812
			Numerator – Quantity Per Pack	1
Mechanical and Housing			**EAN/UPC – Product/Case**	8718291419013
Housing Material	Aluminum		**Numerator – Packs per outer box**	1
Reflector material	–		**EAN/UPC – Case**	8718291419013
Optic material	Polycarbonate			
Optical cover material	Tempered glass			
Fixation material	Steel			

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Dimensional drawing

www.lighting.philips.com

2023, December 5 – data subject to change