DecoScene LED BBP621

BBP621 15xLED-HB/RGB I 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	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes

Light Technical

Upward light output ratio	0.03
Luminous Flux	1,329 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	-
Luminous Efficacy (rated) (Nom)	53.4 lm/W
Color rendering index (CRI)	-
Number of light sources	15
Light source color	Red, green and blue
Optical cover type	Glass frosted
Luminaire light beam spread	38°
Optic type outdoor	Wide beam

Operating and Electrical

Input Voltage	100 to 277 V
Line Frequency	50 to 60 Hz
Inrush current	35 A
Inrush time	0.35 ms
Power Consumption	24.9 W
Power Factor (Fraction)	0.8
Connection	-
Cable	Cable 3.0 m without plug
Number of products on MCB of 16 A type B	32

Temperature

Ambient temperature range	-40 to +50 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	Dynamix DMX
Constant light output	No

Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Tempered glass
Fixation material	Steel
Housing Color	Grey
Mounting device	Recessed mounting box round
Optical cover shape	Convex lens
Optical cover finish	Frosted
Overall height	430 mm
Overall diameter	200 mm
Effective projected area	0 m²

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 until 4 kV differential mode and 4 kV common mode
Sustainability rating	-
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.465, 0.630) SDCM <3
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	0% (digital)

Product Data

Order product name	BBP621 15xLED-HB/RGB I WB GF GR DMX RMR
Full product name	BBP621 15xLED-HB/RGB I WB GF GR DMX RMR
Full product code	871829141892400
Order code	910403948912
Material Nr. (12NC)	910403948912
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291418924
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291418924

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Dimensional drawing

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