PHILIPS Lighting



DecoScene LED BBP621

BBP621 15xLED-HB/RGB I MB GF GR DMX RMR

DecoScene LED Accent, 15, LED High Brightness, Medium 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, inground 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 highpowered floodlighting to more subtle effects such as accent lighting. Its unique collimating optic delivers a uniform light output and ensures optimum color 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, and creating a perfect lighting effect.

Product data

LED-HB [LED High Brightness]
Yes
1 unit
Yes
*-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)

	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

value also represents the B10 value. * At

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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	24°
Optic type outdoor	Medium beam

Operating	and E	lectrical
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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 32

в

Temperature

Ambient temperature range

Controls and Dimming

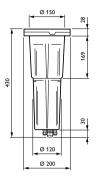
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	Dynamix DMX
Constant light output	No
Mechanical and Housing	
Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Tempered glass
Fixation material	Steel

-40 to +50 °C

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 m ²
Approval and Application	
Ingress protection code	IP67 [Dust penetration-protected, watertigh
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
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
Control gear failure rate at median usefu life 100000 h	l 10 %
Lumen maintenance at median useful	L80
life* 100000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	0% (digital)
Product Data	
Order product name	BBP621 15xLED-HB/RGB I MB GF GR DMX
	RMR
Full product name	BBP621 15xLED-HB/RGB I MB GF GR DMX
	RMR
Full product code	871829141891700
Order code	41891700
Material Nr. (12NC)	910403948812
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291418917
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291418917
	0.10201.10017

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Dimensional drawing





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