PHILIPS Lighting



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, 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 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

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Warranty period	3 years
Flammability mark	-
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes
Light Technical	
Upwards light output ratio	0.03
Luminous Flux	1,875 lm
Standard tilt angle post-top	-
Standard tilt angle side entry	-
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	67.0 lm/W
Colour rendering index (CRI)	70
Number of light sources	15
Light source colour	Neutral white
Optical cover type	Clear glass
Luminaire light beam spread	12°
Optic type outdoor	Narrow beam
Operating and Electrical	

Operating and	Electrical
Input Voltage	

Input Voltage	100 to 277 V
Line Frequency	50 to 60 Hz
Inrush current	35 A
Inrush time	0.35 ms
Power Consumption	28 W
Power Factor (Fraction)	0.8
Connection	-
Cable	Cable 3.0 m without plug

Number of products on MCB of 16 A type 32

Temperature

Ambient temperature range

Contro	ls and	Dimming

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

-40 to +50 °C

Mechanical and Housing

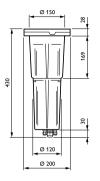
Housing material	Aluminium
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Tempered glass

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Fixation material	Steel
Housing Colour	Grey
Mounting device	Recessed mounting box round
Optical cover/lens shape	Convex lens
Optical cover/lens finish	Clear
Overall height	430 mm
Overall diameter	200 mm
Effective projected area	0 m ²
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 up to 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	(0.367, 0.396) SDCM <3
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Over Time Performance (IEC Complia	
Control gear failure rate at median useful	10 %
life 100,000 h	100
Lumen maintenance at median useful	L80
life* 100,000 h	
Application Conditions	
Performance ambient temperature Tq	
	25 °C
Maximum dim level	25 °C Not applicable
Product Data	Not applicable
Product Data Order product name	Not applicable BBP621 15xLED-HB/NW I NB GC GR RMR
Product Data Order product name Full product name	Not applicable BBP621 15xLED-HB/NW I NB GC GR RMR BBP621 15xLED-HB/NW I NB GC GR RMR
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Dimensional drawing





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