PHILIPS Lighting



DecoScene LED BBP621

BBP621 15xLED-HB/NW II 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 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

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	-
CE mark	Yes
Warranty period	3 years

DecoScene LED BBP621

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	1,875 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	67.0 lm/W
Color rendering index (CRI)	70
Number of light sources	15
Light source color	Neutral white
Optical cover type	Clear glass
Luminaire light beam spread	12°
Optic type outdoor	Narrow 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	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

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Temperature

Ambient temperature range

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

-40 to +50 °C

Mech. impact protection code IK10 [20 J vandal-resistant] Surge Protection (Common/Differential) Luminaire surge protection level until 4 k differential mode and 4 kV common mode Sustainability rating - Protection class IEC Safety class II 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 Compliant) - Control gear failure rate at median useful 10 % Lumen maintenance at median useful life* L80 100000 h - Performance at median useful life* 25 °C Maximum dim level Not applicable		
Mounting device Recessed mounting box round Optical cover shape Convex lens Optical cover finish Clear Overall height 430 mm Overall diameter 200 mm Effective projected area 0 m² Approval and Application Ingress protection code IK10 [20 J vandal-resistant] Surge Protection (Common/Differential) Luminaire surge protection level until 4 P differential mode and 4 kV common modes Sustainability rating - Protection class IEC Safety class II Initial Performance (IEC Compliant) Iuminous flux tolerance 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 Compliant) Control gear failure rate at median useful life* Lumen maintenance at median useful life* L80 100000 h - Application Conditions - Performance ambient temperature Tq 25 °C Maximum dim level Not applicable	Fixation material	Steel
Optical cover shape Convex lens Optical cover finish Clear Overall height 430 mm Overall diameter 200 mm Effective projected area 0 m² Approval and Application Ingress protection code IK10 [20 J vandal-resistant] Surge Protection (Common/Differential) Luminaire surge protection level until 4 P Surge Protection (Common/Differential) Luminaire surge protection level until 4 P differential mode and 4 kV common mode Safety class II Sustainability rating - Protection class IEC Safety class II Initial Performance (IEC Compliant) Luminous flux tolerance 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 Compliant) Control gear failure rate at median useful life* Lumen maintenance at median useful life* L80 100000 h	Housing Color	Gray
Optical cover finish Clear Overall height 430 mm Overall diameter 200 mm Effective projected area 0 m² Approval and Application IP67 [Dust penetration-protected, water Mech. impact protection code IP67 [Dust penetration-protected, water Mech. impact protection code IK10 [20 J vandal-resistant] Surge Protection (Common/Differential) Luminaire surge protection level until 4 k differential mode and 4 kV common mod Sustainability rating Sustainability rating - Protection class IEC Safety class II Initial Performance (IEC Compliant) Luminous flux tolerance Initial chromaticity (0.367, 0.396) SDCM <3 Power consumption tolerance +/-10% Init. Color Rendering Index Tolerance +/-2 Over Time Performance (IEC Compliant) Control gear failure rate at median useful Control gear failure rate at median useful life* L80 100000 h Image: Sec Maximum dim level Application Conditions Performance ambient temperature Tq Perforunce ambient temperature Tq 25 °C Maximum dim level Not applicable	Mounting device	Recessed mounting box round
Overall height 430 mm Overall diameter 200 mm Effective projected area 0 m² Approval and Application Ingress protection code IP67 [Dust penetration-protected, water Mech. impact protection code IK10 [20 J vandal-resistant] Luminaire surge protection level until 4 k Surge Protection (Common/Differential) Luminaire surge protection level until 4 k differential mode and 4 kV common mod Sustainability rating - - Protection class IEC Safety class II Initial Performance (IEC Compliant) Luminous flux tolerance +/-7% Initial chromaticity (0.367, 0.396) SDCM <3 Power consumption tolerance Power consumption tolerance +/-10% II Init. Color Rendering Index Tolerance +/-2 Image: State	Optical cover shape	Convex lens
Overall diameter 200 mm Effective projected area 0 m² Approval and Application Ingress protection code IP67 [Dust penetration-protected, water Mech. impact protection code IK10 [20 J vandal-resistant] Surge Protection (Common/Differential) Luminaire surge protection level until 4 k differential mode and 4 kV common mod Sustainability rating - Protection class IEC Safety class II Initial Performance (IEC Compliant) Iuminous flux tolerance Initial chromaticity (0.367, 0.396) SDCM <3 Power consumption tolerance +/-10% Init. Color Rendering Index Tolerance +/-2 Over Time Performance (IEC Compliant) Control gear failure rate at median useful 10 % Itfe 100000 h Lumen maintenance at median useful life* L80 100000 h - Application Conditions Performance ambient temperature Tq Performance ambient temperature Tq 25 °C Maximum dim level Not applicable	Optical cover finish	Clear
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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 Compliant) Control gear failure rate at median useful Control gear failure rate at median useful 10 % life 100000 h Lumen maintenance at median useful life* Lumen maintenance at median useful life* L80 100000 h	Protection class IEC	Safety class II
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Init. Color Rendering Index Tolerance +/-2 Over Time Performance (IEC Compliant) Control gear failure rate at median useful 10 % Life 100000 h Lumen maintenance at median useful life* L80 100000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level Not applicable Product Data	Initial chromaticity	(0.367, 0.396) SDCM <3
Over Time Performance (IEC Compliant) Control gear failure rate at median useful 10 % life 100000 h Itife 100000 h Lumen maintenance at median useful life* L80 100000 h Itife Application Conditions 25 °C Performance ambient temperature Tq 25 °C Maximum dim level Not applicable	Power consumption tolerance	+/-10%
Control gear failure rate at median useful 10 % Life 100000 h Lumen maintenance at median useful life* L80 100000 h Application Conditions Performance ambient temperature Tq 25 °C Maximum dim level Not applicable Product Data	Init. Color Rendering Index Tolerance	+/-2
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Performance ambient temperature Tq 25 °C Maximum dim level Not applicable	Application Conditions	
Product Data		25 ℃
	Maximum dim level	Not applicable
Order product name BBP621 15xLED-HB/NW II NB GC GR RM	Product Data	
	Order product name	BBP621 15xLED-HB/NW II NB GC GR RMR
Full product name BBP621 15xLED-HB/NW II NB GC GR RM	Full product name	BBP621 15xLED-HB/NW II NB GC GR RMR
Full product code 871829141881800	Full product code	871829141881800
Order code 41881800	Order code	41881800

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Datasheet, 2023, October 9

Material Nr. (12NC)

EAN/UPC - Case

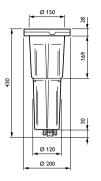
Numerator - Quantity Per Pack

Numerator - Packs per outer box

EAN/UPC - Product/Case

DecoScene LED BBP621

Dimensional drawing





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