DecoScene LED BBP621

BBP621 15xLED-HB/WW II NB GC GR RMR

DecoScene LED Accent – 15 pcs – 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, 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 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	
Number of light sources	15 pcs
Lamp family code	LED-HB [LED High Brightness]
Lamp version	2S [2nd generation, screw fixation]
Light source color	Warm white
Light source replaceable	Yes
Number of gear units	1 unit
Driver/power unit/transformer	Power supply unit
Driver included	Yes
Optical cover/lens type	Clear glass
Luminaire light beam spread	12°

Embedded control	-
Control interface	-
Connection	-
Cable	Cable 3.0 m without plug
Protection class IEC	Safety class II
Shape	Round version - to be replaced by RND
Coating	-
Glow-wire test	Temperature 650 °C, duration 5 s
Flammability mark	-
CE mark	CE mark
ENEC mark	ENEC mark

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Green Flagship mark	Green Flagship		**Optical cover/lens shape**	Convex lens
Lifetime to 70% luminous flux	50000 h		**Optical cover/lens finish**	Clear
Warranty period	3 years		**Overall height**	430 mm
Mechanical accessories	–		**Overall diameter**	200 mm
Decorative accessories	–		**Effective projected area**	0 m²
Optic type outdoor	Narrow beam		**Color**	Gray
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		**Dimensions (Height x Width x Depth)**	430 x NaN x NaN mm (16.9 x NaN x NaN in)

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

Constant light output	No
Number of products on MCB of 16 A type B	32
EU RoHS compliant	Yes
Light source engine type	LED
Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts
Product family code	BBP621 [DecoScene LED Accent]

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	1512 lm
Luminous flux tolerance	+/–7%
Initial LED luminaire efficacy	54.0 lm/W
Init. Corr. Color Temperature	2700 K
Init. Color Rendering Index	80
Initial chromaticity	(0.437, 0.420) SDCM <3
Initial input power	28 W
Power consumption tolerance	+/–10%
Init. Color Rendering Index Tolerance	+/–2

Light Technical

Upward light output ratio	0.03
Standard tilt angle posttop	–
Standard tilt angle side entry	–

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

Operating and Electrical

Input Voltage	100 to 277 V
Input Frequency	50 to 60 Hz
Inrush current	35 A
Inrush time	0.35 ms
Power Factor (Min)	0.8

Application Conditions

Ambient temperature range	–40 to +50 ℃
Performance ambient temperature Tq	25 ℃
Maximum dim level	Not applicable

Controls and Dimming

Dimmable	No

Product Data

Full product code	871829141887000
Order product name	BBP621 15xLED-HB/WW II NB GC GR RMR
EAN/UPC – Product	8718291418870
Order code	910403948412
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	1
Material Nr. (12NC)	910403948412
Net Weight (Piece)	7.500 kg

Mechanical and Housing

Housing Material	Aluminum
Reflector material	–
Optic material	Polycarbonate
Optical cover/lens material	Tempered glass
Fixation material	Steel
Mounting device	Recessed mounting box round

650°C ▪ ▪ ▪

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Dimensional drawing

Ø 150
28
169
430
30
Ø 120
Ø 200
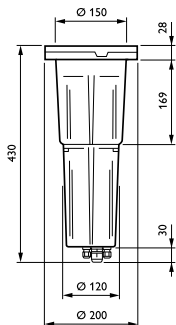
DecoScene LED Accent BBP621/623

Photometric data

BBP621 GC 15xLED-HB/WW NB

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www.lighting.philips.com

2021, August 20 – data subject to change