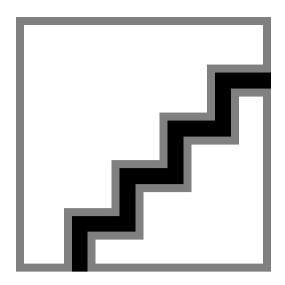
# **PHILIPS** Lighting



# DecoScene LED BBP621

# BBP621 15xLED-HB/WW II WB GC GR RMR

DecoScene LED Accent, 15, LED High Brightness, Wide 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. 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**

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)

	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	1,512 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	54.0 lm/W
Color rendering index (CRI)	80
Number of light sources	15
Light source color	Warm white
Optical cover type	Clear glass
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

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 succession MCD of 10 A trans	22

-40 to +50 °C

Number of products on MCB of 16 A type 32

в

Temperature

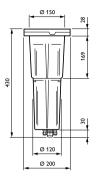
Ambient temperature range

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	_

Fixation material	Steel
Housing Color	Gray
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	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 II
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.437, 0.420) SDCM <3
Power consumption tolerance	+/-10%
Power consumption tolerance Init. Color Rendering Index Tolerance	+/-10% +/-2
Init. Color Rendering Index Tolerance	+/-2
Init. Color Rendering Index Tolerance Over Time Performance (IEC Compl	+/-2 iant)
Init. Color Rendering Index Tolerance Over Time Performance (IEC Compl Control gear failure rate at median useful	+/-2 iant)
Init. Color Rendering Index Tolerance Over Time Performance (IEC Compl Control gear failure rate at median useful life 100000 h	+/-2 iant) 10 %
Init. Color Rendering Index Tolerance Over Time Performance (IEC Compl Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful	+/-2 iant)
Init. Color Rendering Index Tolerance Over Time Performance (IEC Compl Control gear failure rate at median useful life 100000 h	+/-2 iant) 10 %
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Init. Color Rendering Index Tolerance Over Time Performance (IEC Compl Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq	+/-2 iant) 10 % L80 25 °C
Init. Color Rendering Index Tolerance Over Time Performance (IEC Compl Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions	+/-2 iant) 10 % L80
Init. Color Rendering Index Tolerance Over Time Performance (IEC Compl Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq	+/-2 iant) 10 % L80 25 °C
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Init. Color Rendering Index Tolerance Over Time Performance (IEC Compl Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data	+/-2 iant) 10 % L80 25 °C Not applicable BBP621 15xLED-HB/WW II WB GC GR RMR
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Init. Color Rendering Index Tolerance Over Time Performance (IEC Compl Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	+/-2 iant) 10 % L80 25 °C Not applicable BBP621 15xLED-HB/WW II WB GC GR RMR BBP621 15xLED-HB/WW II WB GC GR RMR 871829141889400 910403948612 910403948612
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## DecoScene LED BBP621

#### Dimensional drawing





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