PHILIPS Lighting



DecoScene LED BBP623

BBP623 34xLED-HB/TWH II NB GF GR DMX RMR

DecoScene LED Accent, 34, LED High Brightness, Narrow 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

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	BBP623 [DecoScene LED Accent]
Lighting Technology	LED
Value ladder	Performance
Embedded control	Dynamic DMX
CE mark	Yes
Warranty period	3 years

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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	3,910 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	2700 6500 K
Luminous Efficacy (rated) (Nom)	72.4 lm/W
Color rendering index (CRI)	80
Number of light sources	34
Light source color	Tunable white
Optical cover type	Glass frosted
Luminaire light beam spread	12°
Optic type outdoor	Narrow beam
Operating and Electrical	
Innut Valte en	100 to 277 V

Input Voltage	100 to 277 V
Line Frequency	50 to 60 Hz
Inrush current	35 A
Inrush time	0.35 ms
Power Consumption	54 W
Power Factor (Fraction)	0.8
Connection	-
Cable	Cable 3.0 m without plug
Number of products on MCB of 16 A turns	27

Number of products on MCB of 16 A type 32

в

Temperature

Ambient temperature range

Controls and Dimming	
Dimmable	

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

Yes

-40 to +50 °C

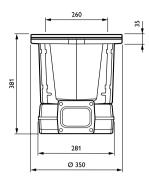
Mechanical and Housing

Housing Material	Aluminum
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Tempered glass
Fixation material	Steel

Housing Color	Grey
Mounting device	Recessed mounting box round
Optical cover shape	Convex lens
Optical cover finish	Frosted
Overall height	382 mm
Overall diameter	350 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
Protection class IEC	Safety class II
Initial Performance (IEC Compliant)
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.585, 0.595) SDCM <3
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Over Time Performance (IEC Comp	liant)
Control gear failure rate at median usefu	
-	
life 100000 h	
life 100000 h Lumen maintenance at median useful	L80
	L80
Lumen maintenance at median useful	L80
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Lumen maintenance at median useful life* 100000 h Application Conditions	
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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	25 °C 0% (digital) BBP623 34xLED-HB/TWH II NB GF GR DMX RMR BBP623 34xLED-HB/TWH II NB GF GR DMX RMR 871829141930300
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)	25 °C 0% (digital) BBP623 34xLED-HB/TWH II NB GF GR DMX RMR BBP623 34xLED-HB/TWH II NB GF GR DMX RMR 871829141930300 41930300
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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)	25 °C 0% (digital) BBP623 34xLED-HB/TWH II NB GF GR DMX RMR BBP623 34xLED-HB/TWH II NB GF GR DMX RMR 871829141930300 41930300 910403952712

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Dimensional drawing





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