PHILIPS Lighting



DecoScene LED BBP623

BBP623 34xLED-HB/RGB II MB GF GR DMX RMR

DecoScene LED Accent, 34, LED High Brightness, Medium 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. 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

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

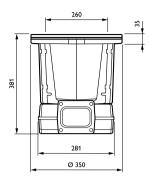
DecoScene LED BBP623

CE mark	Yes	
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		
Upward light output ratio	0.03	
Luminous Flux	2,300 lm	
Standard tilt angle posttop	-	
Standard tilt angle side entry	-	
Correlated Color Temperature (Nom)	-	
Luminous Efficacy (rated) (Nom)	47.3 lm/W	
Color rendering index (CRI)	-	
Number of light sources	34	
Light source color	Red, green and blue	
Optical cover type	Glass frosted	
Luminaire light beam spread	24°	
Optic type outdoor	Medium 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	48.6 W	
Power Factor (Fraction)	0.8	
Connection	-	
Cable	Cable 3.0 m without plug	-
Number of products on MCB of 16 A type	32	
В		
Temperature		_
Ambient temperature range	-40 to +50 °C	
Controls and Dimming		
Dimmable	Yes	
Driver/power unit/transformer	Power supply unit (On/Off)	
Control interface	Dynamix DMX	
Constant light output	No	
	·	_
Mechanical and Housing		
Housing Material	Aluminum	
Reflector material	-	
Optic material	Polycarbonate	
Optical cover material	Tempered glass	

Fixation material Housing Color Mounting device Optical cover shape Optical cover finish Overall height Overall diameter Effective projected area Approval and Application Ingress protection code Mech. impact protection code Surge Protection (Common/Differential) Protection class IEC Initial Performance (IEC Compliant) Luminous flux tolerance Initial chromaticity Power consumption tolerance	Steel Grey Recessed mounting box round Convex lens Frosted 382 mm 350 mm 0 m ² 1967 [Dust penetration-protected, watertight] IP67 [Dust penetration-protected, watertight] IK10 [20 J vandal-resistant] Luminaire surge protection level until 4 kV differential mode and 4 kV common mode Safety class II +/-7% (0.465, 0.630) SDCM <3 +/-10%
Mounting device Optical cover shape Optical cover finish Overall height Overall diameter Effective projected area Approval and Application Ingress protection code Mech. impact protection code Surge Protection (Common/Differential) Protection class IEC Initial Performance (IEC Compliant) Luminous flux tolerance Initial chromaticity	Recessed mounting box round Convex lens Frosted 382 mm 350 mm 0 m² IP67 [Dust penetration-protected, watertight] IK10 [20 J vandal-resistant] Luminaire surge protection level until 4 kV differential mode and 4 kV common mode Safety class II +/-7% (0.465, 0.630) SDCM <3
Optical cover shape Optical cover finish Overall height Overall diameter Effective projected area Approval and Application Ingress protection code Mech. impact protection code Surge Protection (Common/Differential) Protection class IEC Initial Performance (IEC Compliant) Luminous flux tolerance Initial chromaticity	Convex lens Frosted 382 mm 350 mm 0 m ² IP67 [Dust penetration-protected, watertight] IK10 [20 J vandal-resistant] Luminaire surge protection level until 4 kV differential mode and 4 kV common mode Safety class II +/-7% (0.465, 0.630) SDCM <3
Optical cover finish Overall height Overall diameter Effective projected area Approval and Application Ingress protection code Mech. impact protection code Surge Protection (Common/Differential) Protection class IEC Initial Performance (IEC Compliant) Luminous flux tolerance Initial chromaticity	Frosted 382 mm 350 mm 0 m ² IP67 [Dust penetration-protected, watertight] IK10 [20 J vandal-resistant] Luminaire surge protection level until 4 kV differential mode and 4 kV common mode Safety class II +/-7% (0.465, 0.630) SDCM <3
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Overall diameter Effective projected area Approval and Application Ingress protection code Mech. impact protection code Surge Protection (Common/Differential) Protection class IEC Initial Performance (IEC Compliant) Luminous flux tolerance Initial chromaticity	350 mm 0 m ² IP67 [Dust penetration-protected, watertight] IK10 [20 J vandal-resistant] Luminaire surge protection level until 4 kV differential mode and 4 kV common mode Safety class II +/-7% (0.465, 0.630) SDCM <3
Effective projected area Approval and Application Ingress protection code Mech. impact protection code Surge Protection (Common/Differential) Protection class IEC Initial Performance (IEC Compliant) Luminous flux tolerance Initial chromaticity	0 m² IP67 [Dust penetration-protected, watertight] IK10 [20 J vandal-resistant] Luminaire surge protection level until 4 kV differential mode and 4 kV common mode Safety class II +/-7% (0.465, 0.630) SDCM <3
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Luminous flux tolerance Initial chromaticity	(0.465, 0.630) SDCM <3
Luminous flux tolerance Initial chromaticity	(0.465, 0.630) SDCM <3
Initial chromaticity	(0.465, 0.630) SDCM <3
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Over Time Performance (IEC Compli	iant)
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful	L80
life* 100000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Maximum dim level	0% (digital)
Product Data	
Order product name	BBP623 34xLED-HB/RGB II MB GF GR DMX
	RMR
Full product name	BBP623 34xLED-HB/RGB II MB GF GR DMX
	RMR
Full product code	871829141923500
Order code	910403952012
Material Nr. (12NC)	910403952012
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291419235
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291419235
Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case	910403952012 910403952012 1 8718291419235

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Dimensional drawing





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