PHILIPS Lighting

ColorBlast Powercore gen4 RGB

BCP480 36xLED-HB/RGB 100-277V 10 BK

RGB - Narrow beam angle 10° - Black

ColorBlast Powercore gen4 high-performance LED luminaires combine white and rich, saturated, color and color-changing effects with simplified installation. ColorBlast Powercore gen4 offers a range of accessories that allow for customizable beam angles for floodlighting, spotlighting, wall washing, and grazing, along with the efficiency and cost-effectiveness of Powercore technology in a rugged die-cast aluminium housing.

Product data

General Information

Beam angle of light source	10 °
Light source color	RGB
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	Power supply unit with DMX interface
Driver included	Yes
Optical cover/lens type	Clear flat
Luminaire light beam spread	10°
Protection class IEC	Safety class I
CE mark	CE mark
UL mark	UL and cUL mark
Optic type outdoor	Narrow beam angle 10°
Constant light output	No
Accessory PFC	ZCP485

Operating and Electrical

Input Voltage	100 to 277 V
Input Frequency	50 to 60 Hz
Power Factor (Nom)	0.99 @ 120 VAC, 0.93 @ 277 VAC

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Housing Material	Aluminum die cast
Optic material	Glass
Optical cover/lens material	Tempered glass
Fixation material	Aluminum
Mounting device	Baseplate
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear

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Color	Black

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK10 [20 J vandal-resistant]
Vibration Standard	Complies with ANSI C136.31, 3G
Vibration Rating	Complies with ANSI C136.31, 3G

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	1755 lm
Initial LED luminaire efficacy	38.8 lm/W
Init. Corr. Color Temperature	2700 to 4000 K
Init. Color Rendering Index	80
Initial input power	50 W

Over Time Performance (IEC Compliant)

Lumen Maintenance 50% at 25°C Calculated	100000
Lumen Maintenance 50% at 25°C Reported	72000
Lumen Maintenance 50% at 50°C Calculated	100000
Lumen Maintenance 50% at 50°C Reported	72000
Lumen Maintenance 70% at 25°C Calculated	100000
Lumen Maintenance 70% at 25°C Reported	72000
Lumen Maintenance 70% at 50°C Calculated	100000
Lumen Maintenance 70% at 50°C Reported	72000

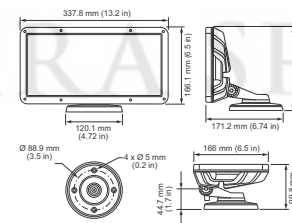|	
Lumen Maintenance 80% at 25°C Calculated	100000
Lumen Maintenance 80% at 25°C Reported	72000
Lumen Maintenance 80% at 50°C Calculated	100000
Lumen Maintenance 80% at 50°C Reported	72000
Lumen Maintenance 90% at 25°C Calculated	51400
Lumen Maintenance 90% at 25°C Reported	51400
Lumen Maintenance 90% at 50°C Calculated	51400
Lumen Maintenance 90% at 50°C Reported	51400

Application Conditions

Ambient temperature range	-40 to +50 °C

Product Data

Full product code	871829164846899
Order product name	BCP480 36xLED-HB/RGB 100-277V 10 BK
EAN/UPC - Product	8718291648468
Order code	912400130352
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	2
Material Nr. (12NC)	912400130352
Net Weight (Piece)	4.146 kg

Dimensional drawing

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www.lighting.philips.com

2019, May 2 – data subject to change