ColorBlast Powercore gen4, RGB

ColorBlast Powercore gen4, RGB, 100 – 277 VAC, 10° Native (no spread lens), Black Housing, UL/CE/CQC

ColorBlast Powercore gen4, RGB, 100 – 277 VAC, 10° Native (no spread lens), Black Housing, UL/CE/CQC

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 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)	–

Controls and dimming

Dimmable	Yes

ColorBlast Powercore gen4, RGB

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
Color	Black

Approval and application

Ingress protection code	IP66 [Dust penetration–protected, jet-proof]
Energy Efficiency Class	G
Mech. impact protection code	IK10 [20 J vandal–resistant]
Vibration Standard	Complies with ANSI C136.31, 3G
Corrosion Resistance	Complies with ASTM B117 standard for > 1,500 hours
Vibration Rating	Complies with ANSI C136.31, 3G
EPREL Registration Number	890592

Initial performance (IEC compliant)

Initial luminous flux (system flux)	1755 lm
Initial LED luminaire efficacy	38.8 lm/W
Init. Color Rendering Index	80
Initial input power	50 W

Over time performance (IEC compliant)

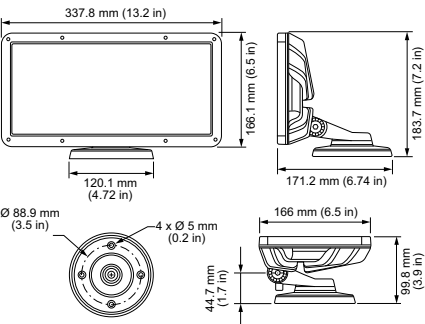|	
Lumen Maintenance 50% at 25°C Calculated	100000
Lumen Maintenance 50% at 25°C Reported	72000
Lumen Maintenance 50% at 50°C Calculated	100000
Lumen Maintenance 50% at 50°C Reported	72000
Lumen Maintenance 70% at 25°C Calculated	100000
Lumen Maintenance 70% at 25°C Reported	72000
Lumen Maintenance 70% 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	123-000155-01
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	2
Material Nr. (12NC)	912400130352
Net Weight (Piece)	4.146 kg
Catalog Number	123-000155-01
Catalog Number Description	ColorBlast Powercore gen4, RGB, 100 – 277 VAC, 10° Native (no spread lens), Black Housing, UL/CE/CQC

IP66

Dimensional drawing

337.8 mm (13.2 in)
166.1 mm (6.5 in)
183.7 mm (7.2 in)
120.1 mm (4.72 in)
171.2 mm (6.74 in)
Ø 88.9 mm (3.5 in)
4 x Ø 5 mm (0.2 in)
166 mm (6.5 in)
44.7 mm (1.7 in)
99.8 mm (3.9 in)

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

ColorBlast Powercore gen4, RGB

www.lighting.philips.com

2022, September 30 – data subject to change