ColorBlast RGB Powercore gen4

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

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

ColorBlast RGB Powercore gen4 is the next generation of indoor and outdoor floodlighting. Ideally suited for wall washing, grazing and spot lighting, ColorBlast RGB Powercore gen4 is a high-performance fixture that provides the benefits of fully saturated colors plus quality white light. It also offers a range of field-configurable beam angles, as well as the flexibility of customization with a full range of accessories that can be used in endless configurations.

Product data

General Information

Beam angle of light source	10 °
Light source colour	RGB
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	PSDMX [Power supply unit with DMX interface]
Driver included	Yes
Optical cover/lens type	CLFT [Clear flat]
Luminaire light beam spread	10°
Protection class IEC	Safety class I (I)
CE mark	CE mark
UL mark	UL and cUL mark
Optic type outdoor	Narrow beam angle 10°

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

Mechanical and Housing

Housing material	Aluminum die–cast
Optic material	Glass
Optical cover/lens material	Tempered glass
Mounting device	Baseplate

ColorBlast RGB Powercore gen4

Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Colour	Gray

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
Vibration rating	Complies with ANSI C136.31, 3G
	890593

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	1755 lm
Initial LED luminaire efficacy	38.8 lm/W
Init. Colour 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

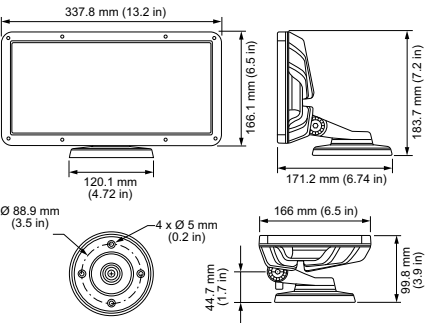|	
Lumen Maintenance 80% at 25 °C Reported	72000
Lumen Maintenance 80% at 50 °C Calculated	100000
Lumen Maintenance 80% at 50 °C Reported	72000
Lumen Maintenance 90% at 25 °C Calculated	51400
Lumen Maintenance 90% at 25 °C Reported	51400
Lumen Maintenance 90% at 50 °C Calculated	51400
Lumen Maintenance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

Application Conditions

Ambient temperature range	–40 to +50 °C

Product Data

Full product code	871829138833399
Order product name	BCP480 36xLED-HB/RGB 100-277V 10 GR
EAN/UPC – product	8718291388333
Order code	123-000155-04
SAP numerator – quantity per pack	1
Numerator – packs per outer box	2
SAP material	912400133535
SAP net weight (piece)	4.146 kg
Commercial Code	123-000155-04
Catalogue number description	ColorBlast Powercore gen4, RGB, 100 – 277 VAC, 10° Native (no spread lens), Gray Housing, UL/CE/CQC

IP 66

Dimensional drawing

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www.lighting.philips.com

2022, March 31 – data subject to change