

ClearFlood

BVP650 LED220-4S/740 PSU DX10 ALU

ClearFlood, LED module 22000 lm, LED, Power supply unit (On/Off), Distribution extra wide 10, Aluminum

ClearFlood is a range of floodlights that lets you choose the exact number of lumens you need for your application. Designed around state-of-the-art LEDs and extremely high-efficiency optics, this very competitive solution offers an industry-leading lux per euro ratio and significant energy savings. The choice of different optics opens up new application possibilities for LEDs. ClearFlood is easy to install and perfect for replacing conventional light-points as it uses the same electrical installation and poles. Selecting the required light output is also straightforward.

Product data

General Information	
Lamp family code	LED220 [LED module 22000 lm]
Light source replaceable	Yes
Number of gear units	2 units
Gear	EB [Electronic]
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	BVP650 [ClearFlood]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 960 °C, duration 5 s
EU RoHS compliant	Yes

Light Technical	
Upward light output ratio	0
Luminous Flux	18,500 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°

ClearFlood

Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	136 lm/W
Color rendering index (CRI)	70
Number of light sources	82
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	108° x 113°
Optic type outdoor	Distribution extra wide 10

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	134 W
Power Factor (Fraction)	0.98
Connection	Connection unit 3-pole
Cable	-
Number of products on MCB of 16 A type B	4

Temperature

Ambient temperature range	-40 to +50 °C

Controls and Dimming

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

Mechanical and Housing

Housing Material	Aluminum die cast
Reflector material	-
Optic material	Acrylate
Optical cover material	Glass
Fixation material	Steel
Housing Color	Aluminum
Mounting device	Mounting bracket adjustable
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	562 mm
Overall width	580 mm
Overall height	95 mm
Effective projected area	0.26 m²
Dimensions (Height x Width x Depth)	95 x 580 x 562 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Surge Protection (Common/Differential)	Luminaire surge protection level until 6 kV differential mode and 8 kV common mode
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class I
Photobiological risk	Photobiological risk group 1 @200mm to EN62778

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.380, 0.390) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L96

Application Conditions

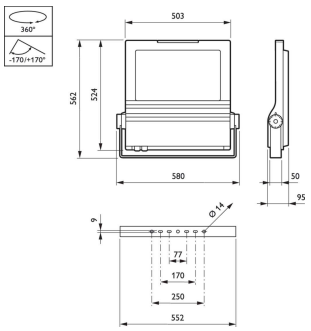
Performance ambient temperature Tq	25 °C

Product Data

Order product name	BVP650 LED220-4S/740 PSU DX10 ALU
Full product name	BVP650 LED220-4S/740 PSU DX10 ALU
Full product code	871869909095100
Order code	09095100
Material Nr. (12NC)	912300023573
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699090951
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699090951

ClearFlood

Dimensional drawing



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.