



ClearFlood

BVP650 LED140-4S/740 PSU DX50 ALU

ClearFlood, LED module 14000 lm, LED, Power supply unit (On/Off), Distribution extra wide 50, Aluminum

ClearFlood is a range of floodlights that enables you to choose the exact lumen rating that you need for your specific 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 in the ClearFlood range opens new application possibilities for LEDs. ClearFlood BVP650 is also easy to install and to maintain.

Product data

General Information	
Lamp family code	LED140 [LED module 14000 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	12,000 lm
Standard tilt angle posttop	O°
Standard tilt angle side entry	O°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	145 lm/W

Datasheet, 2024, January 17 data subject to change

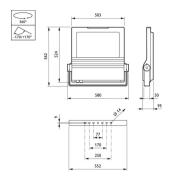
ClearFlood

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	140° x 70°
Optic type outdoor	Distribution extra wide 50
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	82 W
Power Factor (Fraction)	0.96
Connection	Connection unit 3-pole
Cable	-
Number of products on MCB of 16 A type	4
В	
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

Effective projected area	0.26 m ²
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 Compl	iant)
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful	L97
life* 100000 h	
Application Conditions	
Application Conditions Performance ambient temperature Tq	25 ℃
Performance ambient temperature Tq	25 °C
	25℃
Performance ambient temperature Tq	25 °C BVP650 LED140-4S/740 PSU DX50 ALU
Performance ambient temperature Tq Product Data	
Product Data Order product name	BVP650 LED140-4S/740 PSU DX50 ALU
Performance ambient temperature Tq Product Data Order product name Full product name	BVP650 LED140-4S/740 PSU DX50 ALU BVP650 LED140-4S/740 PSU DX50 ALU
Performance ambient temperature Tq Product Data Order product name Full product code	BVP650 LED140-4S/740 PSU DX50 ALU BVP650 LED140-4S/740 PSU DX50 ALU 871869909061600
Performance ambient temperature Tq Product Data Order product name Full product name Full product code Order code	BVP650 LED140-4S/740 PSU DX50 ALU BVP650 LED140-4S/740 PSU DX50 ALU 871869909061600 912300023539
Performance ambient temperature Tq Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	BVP650 LED140-4S/740 PSU DX50 ALU BVP650 LED140-4S/740 PSU DX50 ALU 871869909061600 912300023539 912300023539
Performance ambient temperature Tq Product Data Order product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack	BVP650 LED140-4S/740 PSU DX50 ALU BVP650 LED140-4S/740 PSU DX50 ALU 871869909061600 912300023539 912300023539
Performance ambient temperature Tq Product Data Order product name Full product code Order code Material Nr. (12NC) Numerator - Quantity Per Pack EAN/UPC - Product/Case	BVP650 LED140-4S/740 PSU DX50 ALU BVP650 LED140-4S/740 PSU DX50 ALU 871869909061600 912300023539 912300023539 1 8718699090616

ClearFlood

Dimensional drawing





© 2024 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.