



# ClearFlood

## BVP650 LED280-4S/740 PSU DX50 ALU

ClearFlood, LED module 28000 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		Lighting Technology	
Lamp family code	LED280 [LED module 28000 lm]	Value ladder	Specification
Light source replaceable	Yes	CE mark	Yes
Number of gear units	2 units	Warranty period	5 years
Gear	EB [Electronic]	Flammability mark	For mounting on normally flammable surfaces
Driver included	Yes	ENEC mark	ENEC mark
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	Glow-wire test	Temperature 960 °C, duration 5 s
Light source engine type	LED	EU RoHS compliant	Yes
Product family code	BVP650 [ClearFlood]	Light Technical	
		Upward light output ratio	0
		Luminous Flux	23,000 lm
		Standard tilt angle posttop	0°
		Standard tilt angle side entry	0°
		Correlated Color Temperature (Nom)	4000 K
		Luminous Efficacy (rated) (Nom)	140 lm/W

Color rendering index (CRI)	70
Number of light sources	120
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	86° x 188°
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	166 W
Power Factor (Fraction)	0.99
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
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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
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Product Data

Order product name	BVP650 LED280-4S/740 PSU DX50 ALU
Full product name	BVP650 LED280-4S/740 PSU DX50 ALU
Full product code	871869909068500
Order code	912300023546
Material Nr. (12NC)	912300023546
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699090685
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699090685

Dimensional drawing

