

ClearFlood Large

BVP651 LED500-4S/740 DX51 ALU PSU

ClearFlood large, LED module 50000 lm, LED, Power supply unit (On/Off), Distribution extra wide 51, Aluminum

ClearFlood Large is designed to meet the requirements of a wide range of floodlighting applications. It also includes all the necessary control features and interfaces to make it future-proof and even more efficient. ClearFlood Large lets you choose the exact number of lumens you need for your application. Incorporating extremely high-efficiency optics and state-of-the-art LEDs, it is a highly competitive solution offering an outstanding lux/euro ratio and energy savings of up to 40% (without the use of additional controls). The wide choice of optics ensures maximum application coverage. ClearFlood Large is easy to install – you simply plug it in and select the best option for your needs. Perfect for replacing conventional technology and enabling intelligent lighting control while retaining the same electrical installation and poles.

Product data

General Information	
Lamp family code	LED500 [LED module 50000 lm]
Light source replaceable	Yes
Number of gear units	2 units
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
Service tag	Yes
Product family code	BVP651 [ClearFlood large]
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

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EU RoHS compliant	Yes

Light Technical

Upward light output ratio	0
Luminous Flux	25,000 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	82 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	14° - 5° x 132°
Optic type outdoor	Distribution extra wide 51

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	13 A
Inrush time	1.32 ms
Power Consumption	305 W
Power Factor (Fraction)	0.98
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type B	3

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	880 mm
Overall width	656 mm
Overall height	100 mm
Effective projected area	0.41 m²
Dimensions (Height x Width x Depth)	100 x 656 x 880 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class I

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)

Driver failure rate at 5000 h	0.005 %
Control gear failure rate at median useful life 100000 h	0.1 %
Lumen maintenance at median useful life* 100000 h	L96

Application Conditions

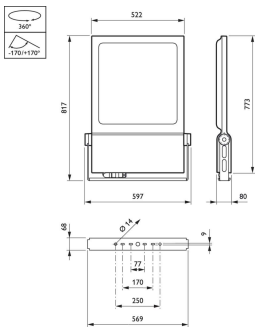
Performance ambient temperature Tq	25 °C

Product Data

Order product name	BVP651 LED500-4S/740 DX51 ALU PSU
Full product name	BVP651 LED500-4S/740 DX51 ALU PSU
Full product code	871869910788800
Order code	10788800
Material Nr. (12NC)	912300023744
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699107888
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699107888

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Dimensional drawing



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