

ClearFlood Large

BVP651 LED750-4S/740 OFA52 ALU PSU

ClearFlood large - LED module 75000 lm - LED - Power supply unit - Optiflux asymmetrical axis angle 52° - Gray

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 50% (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.;Tailor made solution : For tuned project solutions Philips can support with the exclusive L-Tune tool :build required flux to the best balance of life,maintained flux, energy,cost and product type.

Product data

General Information	
Lamp family code	LED750 [LED module 75000 lm]
Light source color	740 neutral white
Light source replaceable	Yes
Number of gear units	2 units
Driver/power unit/transformer	Power supply unit
Driver included	Yes
Optical cover/lens type	Flat glass
Luminaire light beam spread	39° - 11° x 98°
Control interface	-
Connection	Connection unit 5-pole

Cable	-
Protection class IEC	Safety class I
Flammability mark	For mounting on normally flammable surfaces
CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	5 years
Optic type outdoor	Optiflux asymmetrical axis angle 52°
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

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	also represents the B10 value. * At extreme ambient temperatures the luminaire might automatically dim down to protect components
Constant light output	No
Number of products on MCB of 16 A type B	1
RoHS mark	RoHS mark
Light source engine type	LED
Serviceability class	Class A, luminaire is equipped with serviceable parts (when applicable): LED board, driver, control units, surge protection device, optics, front cover and mechanical parts
Product family code	BVP651 [ClearFlood large]

Light Technical

Upward light output ratio	0
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°

Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Inrush current	340 A
Inrush time	0.022 ms
Power Factor (Min)	0.97

Controls and Dimming

Dimmable	No

Mechanical and Housing

Housing Material	Aluminum die-cast
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Glass
Fixation material	Steel
Mounting device	Mounting bracket adjustable
Optical cover/lens shape	Flat
Optical cover/lens finish	Clear
Overall length	817 mm
Overall width	597 mm
Overall height	80 mm
Effective projected area	0.41 m²

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

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	62495 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	120 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	≥70
Initial chromaticity	(0.380, 0.390) SDCM <5
Initial input power	520 W
Power consumption tolerance	+/-11%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L86

Application Conditions

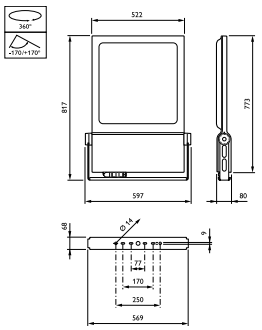
Ambient temperature range	-40 to +50 °C
Performance ambient temperature Tq	25 °C

Product Data

Full product code	871869911282000
Order product name	BVP651 LED750-4S/740 OFA52 ALU PSU
EAN/UPC - Product	8718699112820
Order code	912300023794
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	912300023794
Net Weight (Piece)	23.275 kg

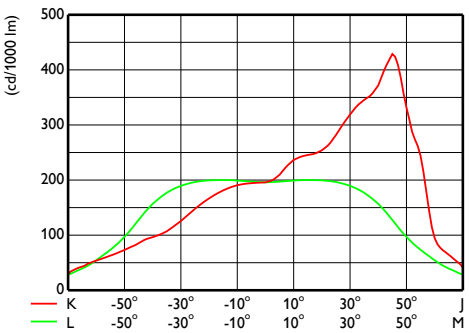
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Dimensional drawing

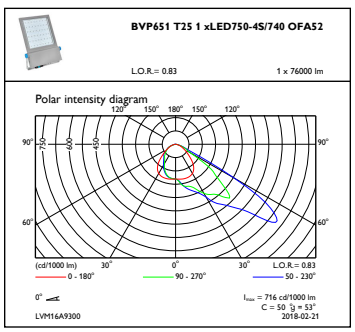


ClearFlood BVP650/651

Photometric data



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OFPC1_BVP651T251xLED750-4S740OFA52

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