PHILIPS Lighting



ClearFlood Large

BVP651 LED650-4S/740 OFA52 ALU PSU

ClearFlood large, LED module 65000 lm, LED, Power supply unit (On/Off), Optiflux asymmetrical axis angle 52°, Aluminum

ClearFlood Large is designed to meet the requirements of a wide range of floodlighting applications from parking lots to tennis courts. One of the key advantages of ClearFlood Large, is that you can choose the exact lumen rating that you need for your specific application. Because ClearFlood incorporates extremely high-efficiency optics and state-of-the-art LEDs, it is a highly competitive solution that offers an outstanding lux/euro ratio and instant energy savings. What's more, thanks to the wide choice of optics, you will always benefit from maximum coverage for your application. ClearFlood BVP651 is also easy to install – simply plug it in and select the option that best suits your needs.

Product data

General Information	
Lamp family code	LED650 [LED module 65000 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
EU RoHS compliant	Yes
Light Technical	
Upward light output ratio	0
Luminous Flux	56,000 lm

ClearFlood Large

Standard tilt angle posttop	O°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	137 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	39° - 11° x 98°
Optic type outdoor	Optiflux asymmetrical axis angle 52°

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	405 W
Power Factor (Fraction)	0.99
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type	3

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Temperature	
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Ambient temperature range

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

-40 to +50 °C

Mechanical and Housing

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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

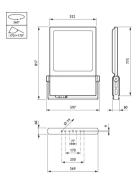
Overall width	656 mm
Overall height	100 mm
Effective projected area	0.41 m²
Dimensions (Height x Width x Depth)	100 x 656 x 880 mm
Approval and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-proof
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	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)	1
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)
Over Time Performance (IEC Compl Driver failure rate at 5000 h	iant) 0.005 %
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Driver failure rate at 5000 h	0.005 %
Driver failure rate at 5000 h Control gear failure rate at median useful	0.005 %
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Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Order product name	0.005 % 0.1 % L96 25 ℃ BVP651 LED650-4S/740 OFA52 ALU PSU
Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name	0.005 % 0.1 % L96 25 °C BVP651 LED650-4S/740 OFA52 ALU PSU BVP651 LED650-4S/740 OFA52 ALU PSU
Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name Full product code	0.005 % 0.1 % L96 25 °C BVP651 LED650-45/740 OFA52 ALU PSU BVP651 LED650-45/740 OFA52 ALU PSU 871869910804500
Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name Full product code Order code	0.005 % 0.1 % L96 25 °C BVP651 LED650-4S/740 OFA52 ALU PSU BVP651 LED650-4S/740 OFA52 ALU PSU 871869910804500 912300023760
Driver failure rate at 5000 h Control gear failure rate at median useful life 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	0.005 % 0.1 % L96 L96 25 ℃ BVP651 LED650-4S/740 OFA52 ALU PSU BVP651 LED650-4S/740 OFA52 ALU PSU 871869910804500 912300023760 912300023760

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EAN/UPC - Case

ClearFlood Large

Dimensional drawing





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