PHILIPS Lighting



ClearFlood Large

BVP651 LED500-4S/740 OFA52 ALU PSU

ClearFlood large, LED module 50000 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	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
Flammability mark	For mounting on normally flammable surfaces
Flammability mark	
	surfaces
ENEC mark	surfaces ENEC mark
ENEC mark	surfaces ENEC mark
ENEC mark EU RoHS compliant	surfaces ENEC mark

ClearFlood Large

Luminous Flux	42,000 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	139 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°

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

Application Conditions

Performance amplent temperature 1q 25°C	Performance ambient temperature Tq	25 °C
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BVP651 LED500-4S/740 OFA52 ALU PSU
BVP651 LED500-4S/740 OFA52 ALU PSU
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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	3

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Temperature

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

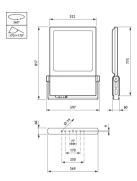
-40 to +50 °C

Mechanical and Housing

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

ClearFlood Large

Dimensional drawing





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