PHILIPS Lighting



ClearFlood Large

BVP651 LED700-4S/740 DX51 ALU PSU

ClearFlood large, LED module 70000 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 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	LED700 [LED module 70000 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	34,000 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	78 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

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

IP66 [Dust penetration-protected, jet-proof]
IK08 [5 J vandal-protected]
Luminaire surge protection level until 4 kV
differential mode and 4 kV common mode
Lighting for circularity
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	0.1 %
life 100000 h	
Lumen maintenance at median useful	L95
life* 100000 h	

Application Conditions

Performance ambient temperature Tq	25 °C
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Product Data	
Order product name	BVP651 LED700-4S/740 DX51 ALU PSU
Full product name	BVP651 LED700-4S/740 DX51 ALU PSU
Full product code	871869910816800
Order code	912300023772
Material Nr. (12NC)	912300023772
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699108168
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699108168

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	440 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

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

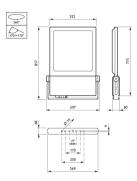
-40 to +50 °C

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

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Dimensional drawing





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