PHILIPS Lighting



ClearFlood Large

BVP651 LED650-4S/740 DX60 ALU PSU

ClearFlood large, LED module 65000 lm, LED, Power supply unit (On/Off), Distribution extra wide 60, 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
Serviceability class	Class A, luminaire is equipped with serviceable
	parts (when applicable): LED board, driver,

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control units, surge protection device, optics,
front cover and mechanical parts

Light Technical	
Upward light output ratio	0
Luminous Flux	58,000 lm
Standard tilt angle posttop	0°
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	143 lm/W
Color rendering index (CRI)	70
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	8° - 26° x 82°
Optic type outdoor	Distribution extra wide 60

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	3
type B	

-40 to +50 °C

Temperature

Ambient temperature range

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	-
Ontia material	A

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	t)
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 Comp	oliant)
Driver failure rate at 5000 h	0.005 %
Control gear failure rate at median	0.1 %
useful life 100000 h	
Lumen maintenance at median useful	L96
life* 100000 h	
Application Conditions	
Performance ambient temperature To	25 °C

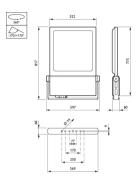
Performance ambient temperature Tq 25 °C

Product Data

Order product name	BVP651 LED650-4S/740 DX60 ALU PSU
Full product name	BVP651 LED650-4S/740 DX60 ALU PSU
Full product code	871869912906400
Order code	912300023965
Material Nr. (12NC)	912300023965
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699129064
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699129064

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Dimensional drawing





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