ClearFlood Large

BVP651 LED700-4S/740 DX10 ALU PSU

ClearFlood large, LED module 70000 lm, LED, Power supply unit (On/Off), Distribution extra wide 10, Aluminum

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 40% (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.

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 surfaces
ENEC mark	ENEC mark
EU RoHS compliant	Yes

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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		**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
Light Technical			**Effective projected area**	0.41 m²
Upward light output ratio	0		**Dimensions (Height x Width x Depth)**	100 x 656 x 880 mm
Luminous Flux	56,000 lm			
Standard tilt angle posttop	0°		**Approval and Application**	
Standard tilt angle side entry	0°		**Ingress protection code**	IP66 [Dust penetration-protected, jet-proof]
Correlated Color Temperature (Nom)	4000 K		**Mech. impact protection code**	IK08 [5 J vandal-protected]
Luminous Efficacy (rated) (Nom)	127 lm/W		**Surge Protection (Common/Differential)**	Luminaire surge protection level until 4 kV differential mode and 4 kV common mode
Color rendering index (CRI)	70			
Light source color	740 neutral white		**Sustainability rating**	Lighting for circularity
Optical cover type	Flat glass		**Protection class IEC**	Safety class I
Luminaire light beam spread	20° – 4° x 150°			
Optic type outdoor	Distribution extra wide 10		**Initial Performance (IEC Compliant)**	
			Luminous flux tolerance	+/-7%
Operating and Electrical			**Initial chromaticity**	(0.380, 0.390) SDCM <5
Input Voltage	220 to 240 V		**Power consumption tolerance**	+/-10%
Line Frequency	50 to 60 Hz		**Init. Color Rendering Index Tolerance**	+/-2
Inrush current	13 A			
Inrush time	1.32 ms		**Over Time Performance (IEC Compliant)**	
Power Consumption	440 W		**Driver failure rate at 5000 h**	0.005 %
Power Factor (Fraction)	0.99		**Control gear failure rate at median useful life 100000 h**	0.1 %
Connection	Connection unit 5-pole			
Cable	–		**Lumen maintenance at median useful life* 100000 h**	L95
Number of products on MCB of 16 A type B	3			
			Application Conditions	
Temperature			**Performance ambient temperature Tq**	25 °C
Ambient temperature range	–40 to +50 °C			
			Product Data	
Controls and Dimming			**Order product name**	BVP651 LED700-4S/740 DX10 ALU PSU
Dimmable	No		**Full product name**	BVP651 LED700-4S/740 DX10 ALU PSU
Driver/power unit/transformer	Power supply unit (On/Off)		**Full product code**	871869910814400
Control interface	–		**Order code**	10814400
Constant light output	No		**Material Nr. (12NC)**	912300023770
			Numerator – Quantity Per Pack	1
Mechanical and Housing			**EAN/UPC – Product/Case**	8718699108144
Housing Material	Aluminum die cast		**Numerator – Packs per outer box**	1
Reflector material	–		**EAN/UPC – Case**	8718699108144
Optic material	Acrylate			
Optical cover material	Glass			
Fixation material	Steel			
Housing Color	Aluminum			

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Dimensional drawing

www.lighting.philips.com

2023, April 25 – data subject to change