PHILIPS Lighting



Tango G2 LED

BVP281 LED101/CW 80W 220-240V AMB

Tango G2 LED, 10100 lm, 80 W, Cool white, Asymmetrical medium beam, 100° x 30°, Safety class I, Mounting bracket adjustable

Tango G2 LED is a general purpose LED flood lighting luminiare for various lighting applications, such as area lighting, bill-board, façade, industry area, recreational sports and other general applications. The Tango G2 LED flood light incorporates LED light source, optical system, heat sink and driver into one compact housing. Its specially designed heat sink incorporates aesthetics and functionality to ensure reliability and long lifetime. Tango G2 LED takes advantage of LED technology which provides energy savings and a longer lifetime, bringing area lighting into a new era.

Product data

General Information	
Lamp family code	-
Light source replaceable	Yes
Number of gear units	-
Driver included	Yes
Light source engine type	LED
Lighting Technology	LED
CE mark	CE mark
Warranty period	3 years
Flammability mark	-
ENEC mark	-
EU RoHS compliant	No
Light Technical	
Luminous Flux	10,100 lm

Standard tilt angle posttop	-
Standard tilt angle side entry	-
Correlated Color Temperature (Nom)	5700 K
Luminous Efficacy (rated) (Nom)	125 lm/W
Color rendering index (CRI)	70
Light source color	Cool white
Optical cover type	Polycarbonate micro lens optic
Luminaire light beam spread	100° x 30°
Optic type outdoor	Asymmetrical medium beam
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 or 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W

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End CLO power consumption	- W	Overall height	60 mm
Power Consumption	80 W	Effective projected area	0.133 m²
Power Factor (Fraction)	0.95	Dimensions (Height x Width x Depth)	60 x 454 x 412 mm
Connection	Flying leads/wires		
Cable	Cable 1.5 m without plug	Approval and Application	
Number of products on MCB of 16 A type B -		Ingress protection code	IP65 [Dust penetration
		Mech. impact protection code	IK07 [2 J reinforced]
Temperature		Surge Protection (Common/Differential)	Luminaire surge prot
Ambient temperature range	-40 to +50 °C		differential mode and
		Protection class IEC	Safety class I
Controls and Dimming			
Dimmable	No	Initial Performance (IEC Compliant)	
Driver/power unit/transformer	Power supply unit (On/Off)	Luminous flux tolerance	+/-10%
Control interface	-	Initial chromaticity	SDCM<=7
Constant light output	No	Power consumption tolerance	+/-10%
Mechanical and Housing		Product Data	
Housing Material	Aluminum die cast	Order product name	BVP281 LED101/CW
Reflector material	-	Full product name	BVP281 LED101/CW
Optic material	Polycarbonate	Full product code	872016972992600
Optical cover material	Polycarbonate	Order code	911401660704
Fixation material	Steel	Material Nr. (12NC)	911401660704
Housing Color	Aluminum and gray	Numerator - Quantity Per Pack	1
Mounting device	Mounting bracket adjustable	EAN/UPC - Product/Case	8720169729926
Optical cover shape	-	Numerator - Packs per outer box	1
Optical cover finish	Frosted	EAN/UPC - Case	8720169729926
Overall length	412 mm		
Overall width	454 mm		

Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK07 [2 J reinforced]
Surge Protection (Common/Differential)	Luminaire surge protection level until 10 kV
	differential mode and 10 kV common mode
Protection class IEC	Safety class I
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	SDCM<=7
Power consumption tolerance	+/-10%
Product Data	
Order product name	BVP281 LED101/CW 80W 220-240V AMB
Full product name	BVP281 LED101/CW 80W 220-240V AMB
Full product code	872016972992600
Order code	911401660704
Material Nr. (12NC)	911401660704
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169729926
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169729926

Dimensional drawing





Datasheet, 2023, May 16

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