UniStreet

BGP204 LED80/740 I DW DDF2 48/60A

UniStreet Large, LED module 8000 lm, Distribution wide, DynaDimmer with fixed presets version 2, Universal for diameter 48 to 60 mm adjustable

At relatively low initial cost, the highly efficient LED-based UniStreet luminaire offers significant cost savings compared with conventional street lighting, ensuring full payback within a short period of time. Available in a choice of lumen packages, UniStreet allows point-to-point replacement of outdated conventional light sources and luminaires. The compact, slim luminaire is made of quality recyclable materials. And being a LED solution, it requires little maintenance. Core version design for high-volume projects at relatively low initial budget. Offer limited range of optics. Performer version design for customers who are preparing big renovation projects, TCO oriented

Product data

General Information

Lamp family code	LED80 [LED module 8000 lm]
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Photocell	-
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.

Light source engine type	LED
Product family code	BGP204 [UniStreet Large]
Lighting Technology	LED
Glow-wire test	Temperature 650 °C, duration 5 s
Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
EU RoHS compliant	No
Embedded control	DynaDimmer with fixed presets version 2

Light Technical

Upward light output ratio	0

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Luminous Flux	7,134 lm		Optical cover shape	Flat
Standard tilt angle posttop	0°		Optical cover finish	Clear
Standard tilt angle side entry	0°		Overall length	755 mm
Correlated Color Temperature (Nom)	4000 K		Overall width	355 mm
Luminous Efficacy (rated) (Nom)	100 lm/W		Overall height	98 mm
Color rendering index (CRI)	70		Effective projected area	0.04 m²
Number of light sources	4		Dimensions (Height x Width x Depth)	98 x 355 x 755 mm
Light source color	740 neutral white			
Optical cover type	Flat glass		**Approval and Application**	
Luminaire light beam spread	154°		Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Optic type outdoor	Distribution wide		Mech. impact protection code	IK08 [5 J vandal-protected]
			Surge Protection (Common/Differential)	Philips standard surge protection level
Operating and Electrical			Protection class IEC	Safety class I
Input Voltage	220-240 V			
Line Frequency	50 to 60 Hz		**Initial Performance (IEC Compliant)**	
Initial CLO power consumption	[DELETE] W		Luminous flux tolerance	+/-7%
Average CLO power consumption	[DELETE] W		Initial chromaticity	(0.380, 0.380) SDCM <5
End CLO power consumption	[DELETE] W		Power consumption tolerance	+/-10%
Inrush current	46 A		Init. Color Rendering Index Tolerance	+/-2
Inrush time	0.25 ms			
Power Consumption	70 W		**Over Time Performance (IEC Compliant)**	
Power Factor (Fraction)	0.95		Control gear failure rate at median useful life 100000 h	10 %
Connection	Screw connection block 3-pole			
Cable	–		Lumen maintenance at median useful life* 100000 h	L93
Number of products on MCB of 16 A type B	11			
			Application Conditions	
Temperature			Performance ambient temperature Tq	25 °C
Ambient temperature range	–40 to +50 °C		Maximum dim level	Programmable
Controls and Dimming			**Product Data**	
Dimmable	Yes		Order product name	BGP204 LED80/740 I DW DDF2 48/60A
Driver/power unit/transformer	Power supply unit with DynaDimmer		Full product name	BGP204 LED80/740 I DW DDF2 48/60A
Control interface	Internal (no external connection)		Full product code	871869631907900
Constant light output	No		Order code	910925452271
			Material Nr. (12NC)	910925452271
Mechanical and Housing			Numerator – Quantity Per Pack	1
Housing Material	Aluminum die cast		EAN/UPC – Product/Case	8718696319079
Reflector material	Polycarbonate		Numerator – Packs per outer box	1
Optic material	Polycarbonate		EAN/UPC – Case	8718696319079
Optical cover material	Tempered glass			
Fixation material	Aluminum			
Housing Color	Grey			
Mounting device	Universal for diameter 48 to 60 mm adjustable			

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Dimensional drawing

www.lighting.philips.com

2023, September 4 – data subject to change