UniStreet

BGP204 LED90-4S/740 I DM50 D9 48/60A

UniStreet Large, LED module 9000 lm, 740 neutral white, Safety class I, Distribution medium, 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 Available in a choice of lumen packages, UniStreet allows point-to-point replacement of outdated conventional light sources and luminaires.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	LED90 [LED module 9000 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 ℃, duration 5 s
Flammability mark	–
CE mark	Yes
ENEC mark	ENEC mark
Warranty period	5 years
EU RoHS compliant	No
Embedded control	–

Light Technical

Upward light output ratio	0

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Luminous Flux	7,830 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)	145 lm/W		Overall height	98 mm
Color rendering index (CRI)	70		Effective projected area	0.04 m²
Number of light sources	2		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 medium		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)**	
Inrush current	46 A		Luminous flux tolerance	+/-7%
Inrush time	0.25 ms		Initial chromaticity	(0.381, 0.379) SDCM <5
Power Consumption	54 W		Power consumption tolerance	+/-10%
Power Factor (Fraction)	0.97		Init. Color Rendering Index Tolerance	+/-2
Connection	Screw connection block 3-pole			
Cable	–		**Over Time Performance (IEC Compliant)**	
Number of products on MCB of 16 A type B	11		Control gear failure rate at median useful life 100000 h	10 %
			Lumen maintenance at median useful life* 100000 h	L93
Temperature				
Ambient temperature range	–40 to +50 °C		**Application Conditions**	
			Performance ambient temperature Tq	25 °C
Controls and Dimming			Maximum dim level	10%
Dimmable	Yes			
Driver/power unit/transformer	Power supply unit with DALI interface		**Product Data**	
Control interface	DALI		Order product name	BGP204 LED90-4S/740 I DM50 D9 48/60A
Constant light output	No		Full product name	BGP204 LED90-4S/740 I DM50 D9 48/60A
			Full product code	871869637237100
Mechanical and Housing			Order code	910925452110
Housing Material	Aluminum die cast		Material Nr. (12NC)	910925452110
Reflector material	Polycarbonate		Numerator – Quantity Per Pack	1
Optic material	Polycarbonate		EAN/UPC – Product/Case	8718696372371
Optical cover material	Tempered glass		Numerator – Packs per outer box	1
Fixation material	Aluminum		EAN/UPC – Case	8718696372371
Housing Color	Grey			
Mounting device	Universal for diameter 48 to 60 mm adjustable			

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Dimensional drawing

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2023, September 4 – data subject to change