



FlowStar Gen2

BGB306 LED230/740 DSM11 D9 STD MICIO FU

FlowStar Gen2, Tunnel light, 136 W, 18860 lm, 4000 K, CRI70, DALI, Distribution symmetrical medium 11, Safety class I, IP66, FU, STD

For the most demanding conditions, where corrosion is a real threat, tunnel owners want tunnel luminaires that deliver cost, safety and availability benefits over their entire lifetime. With a high-grade, corrosion-resistant, full stainless steel build and dedicated LED design, FlowStar Gen2 delivers all that – and more. FlowStar Gen2 is part of the TotalTunnel solution. Combined with lighting controls, cables and our lifecycle services, these tunnel luminaires offer the highest levels of performance with exactly the right balance of visibility, safety and economy. And thanks to a high lumen output, they can also reduce the number of project luminaires required without compromising safety. A long-lasting and highly-efficient solution for tunnel lighting or underpass lighting that will keep traffic safe and moving.

Product data

General Information			
Lamp family code	LED230 [LED module 23000 lm]	Luminous Flux	18,860 lm
Light source replaceable	Yes	Correlated Color Temperature (Nom)	4000 K
Number of gear units	1 unit	Luminous Efficacy (rated) (Nom)	139 lm/W
Driver included	Yes	Color rendering index (CRI)	70
Light source engine type	LED	Light source color	740 neutral white
Service tag	Yes	Luminaire light beam spread	101° x 158°
Lighting Technology	LED	Optic type outdoor	Distribution symmetrical medium 11
Warranty period	5 years	Effective projected area	1.4 m ²
Light Technical		Operating and Electrical	
Upward light output ratio	0	Input Voltage	220–240 V
		Line Frequency	50 to 60 Hz

FlowStar Gen2

Average CLO power consumption	80 W
Inrush current	53 A
Inrush time	0.3 ms
Power Consumption	136 W
Power Factor (Fraction)	0.99
Connection	Connection unit 5-pole
Cable	Cable 1.0 m with plug Wieland/Adels compatible 5-pole
Number of products on MCB of 16 A type B	8
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	Standard surge protection level

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™
Maximum dim level	10%

Mechanical and Housing

Housing Material	Stainless steel
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Stainless steel
Housing Color	Steel
Mounting device	Baseplate
Optical cover shape	Wide
Optical cover finish	Clear
Overall length	635 mm
Overall width	410 mm
Overall height	82.2 mm
Dimensions (Height x Width x Depth)	82 x 410 x 635 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Standard tilt angle posttop	-
Standard tilt angle side entry	0°
Optical cover type	Glass flat with frame
Net Weight (Piece)	10.925 kg

Approval and Application

Flammability mark	For mounting on normally flammable surfaces
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CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	-40 to +50 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.382, 0.380) SDCM <5
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤5

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L96

Sustainability Data

Sustainability rating	Unclassified
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.

Product Data

Order product name	BGB306 LED230/740 DSM11 D9 STD MICIO FU
Full product name	BGB306 LED230/740 DSM11 D9 STD MICIO FU
Full product code	871951424076600
Order code	912300060126
Material Nr. (12NC)	912300060126
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514240766
Numerator - Packs per outer box	1
EAN/UPC - Case	8719514240766
Product family code	BGB306 [FlowStar GEN2 SMALL]

FlowStar Gen2

Dimensional drawing

