

FlowStar

BGB301 LED399-4S/740 SH DSM11

FLOWSTAR MEDIUM, 120, LED module 39900 lm, LED, 250 W, Distribution symmetrical medium 11, Flat glass, 148° x 148°, Suspension set simple, standard

Tunnel operators are looking for an LED solution for both interior and entrance lighting that delivers cost, safety and availability benefits over the full lifetime of the product. FlowStar's stainless-steel modular build and dedicated LED design provide a long-lasting and efficient LED alternative to conventional HPS lighting. FlowStar can also be combined with our controls and services for the highest levels of performance.

Product data

General Information	
Lamp family code	LED399 [LED module 39900 lm]
Light source replaceable	No
Number of gear units	-
Driver included	No
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	BGB301 [FLOWSTAR MEDIUM]
Lighting Technology	LED
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
EU RoHS compliant	Yes

Light Technical	
Upward light output ratio	0
Luminous Flux	33,200 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K

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Luminous Efficacy (rated) (Nom)	133 lm/W
Color rendering index (CRI)	>70
Number of light sources	120
Light source color	740 neutral white
Optical cover type	Flat glass
Luminaire light beam spread	148° x 148°
Optic type outdoor	Distribution symmetrical medium 11

Operating and Electrical

Input Voltage	- V
Line Frequency	- Hz
Inrush current	0 A
Inrush time	0 ms
Power Consumption	250 W
Power Factor (Fraction)	1
Connection	Connection unit 7-pole
Cable	Cable 0.5 m with cable connector
Number of products on MCB of 16 A type B	-

Temperature

Ambient temperature range	-30 to +40 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	-
Control interface	-
Constant light output	No

Mechanical and Housing

Housing Material	Stainless steel
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Glass
Fixation material	Stainless steel
Housing Color	Steel
Mounting device	Suspension set simple, standard
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	457 mm
Overall width	420 mm
Overall height	66.5 mm
Effective projected area	0.1919 m²
Dimensions (Height x Width x Depth)	67 x 420 x 457 mm

Approval and Application

Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]
Surge Protection (Common/Differential)	-
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.433. 0.403) SDCM <3
Power consumption tolerance	+/-10%
Init. Color Rendering Index Tolerance	+/-2

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance at median useful life* 100000 h	L95

Application Conditions

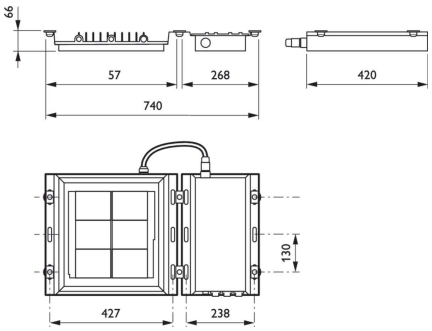
Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable

Product Data

Order product name	BGB301 LED399-4S/740 SH DSM11
Full product name	BGB301 LED399-4S/740 SH DSM11
Full product code	871869912040500
Order code	912300023902
Material Nr. (12NC)	912300023902
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699120405
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699120405

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Dimensional drawing



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