



# **FlowStar**

## BGB302 LED105-4S/740 SH DSM11

FLOWSTAR SMALL, 32, LED module 10500 lm, LED, 67 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	LED105 [LED module 10500 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. $^{\ast}$ At
	extreme ambient temperatures the luminaire
	might automatically dim down to protect
	components
Light source engine type	LED

Service tag	Yes
Product family code	BGB302 [FLOWSTAR SMALL]
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	8,925 lm
Standard tilt angle posttop	-
Standard tilt angle side entry	0°
Correlated Color Temperature (Nom)	4000 K

Datasheet, 2023, April 30 data subject to change

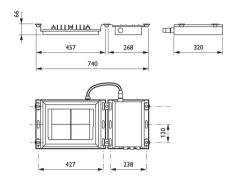
### **FlowStar**

	422   444
Luminous Efficacy (rated) (Nom)	133 lm/W
Color rendering index (CRI)	>70
Number of light sources	32
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	67 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	-
В	
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
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Overall width	320 mm
Overall height	66.5 mm
Effective projected area	0.1462 m²
Dimensions (Height x Width x Depth)	67 x 320 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 Compli	ant)
Control gear failure rate at median useful	10 %
life 100000 h	
life 100000 h  Lumen maintenance at median useful life*	
life 100000 h	
life 100000 h Lumen maintenance at median useful life* 100000 h	
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#### Dimensional drawing





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