



FlowStar

BGB302 LED239-4S/740 PSD DSM11 D9 MDD

FLOWSTAR SMALL, 72, LED module 23900 lm, LED, 150 W, Power supply unit with DALI interface, Distribution symmetrical medium 11, Flat glass, 148° x 148°, DALI, 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	LED239 [LED module 23900 lm]	
Light source replaceable	No	
Number of gear units	1 unit	
Driver included	Yes	
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		
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	19,920 lm		
Standard tilt angle posttop	0°		
Standard tilt angle side entry	0°		

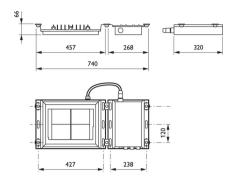
Datasheet, 2023, September 4 data subject to change

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Correlated Color Temperature (Nom)	4000 K	Overall width	320 mm	
Luminous Efficacy (rated) (Nom)	133 lm/W	Overall height	66.5 mm	
Color rendering index (CRI)	>70	Effective projected area	0.232 m ²	
Number of light sources	72	Dimensions (Height x Width x Depth)	67 x 320 x 725 mm	
Light source color	740 neutral white			
Optical cover type	Flat glass	Approval and Application		
Luminaire light beam spread	148° x 148°	Ingress protection code	IP66 [Dust penetration-protected, jet-proof]	
Optic type outdoor	Distribution symmetrical medium 11	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 to 240 V			
Line Frequency	50 to 60 Hz	Initial Performance (IEC Compliant)		
Inrush current	53 A	Luminous flux tolerance	+/-7%	
Inrush time	0.3 ms	Initial chromaticity	(0.433. 0.403) SDCM <3	
Power Consumption	150 W	Power consumption tolerance	+/-10%	
Power Factor (Fraction)	0.99	Init. Color Rendering Index Tolerance	+/-2	
Connection	Mains outlet socket and 2 DALI sockets			
Cable	-	Over Time Performance (IEC Compliant)		
Number of products on MCB of 16 A type	8	Control gear failure rate at median useful	10 %	
В		life 100000 h		
		Lumen maintenance at median useful	L95	
Temperature		life* 100000 h		
Ambient temperature range	-30 to +40 °C			
		Application Conditions		
Controls and Dimming		Performance ambient temperature Tq	25 ℃	
Dimmable	Yes	Maximum dim level	10%	
Driver/power unit/transformer	Power supply unit with DALI interface			
Control interface	DALI	Product Data		
Constant light output	No	Order product name	BGB302 LED239-4S/740 PSD DSM11 D9	
			MDD	
Mechanical and Housing		Full product name	BGB302 LED239-4S/740 PSD DSM11 D9	
Housing Material	Stainless steel		MDD	
Reflector material		Full product code	871869912037500	
Optic material	Polycarbonate	Order code	912300023898	
Optical cover material	Glass	Material Nr. (12NC)	912300023898	
Fixation material	Stainless steel	Numerator - Quantity Per Pack	1	
Housing Color	Steel	EAN/UPC - Product/Case	8718699120375	
Mounting device	Suspension set simple, standard	Numerator - Packs per outer box	1	
Optical cover shape	Flat	EAN/UPC - Case	8718699120375	
Optical cover finish	Clear			
Overall length	725 mm			

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Dimensional drawing





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