



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	O°	
Standard tilt angle side entry	O°	

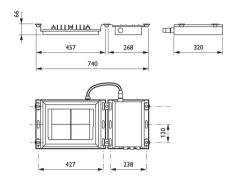
Datasheet, 2023, April 30 data subject to change

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4000 K	Overall width	320 mm
133 lm/W	Overall height	66.5 mm
>70	Effective projected area	0.232 m²
72	Dimensions (Height x Width x Depth)	67 x 320 x 725 mm
740 neutral white		
Flat glass	Approval and Application	
148° x 148°	Ingress protection code	IP66 [Dust penetration-protected, jet-pro
Distribution symmetrical medium 11	Mech. impact protection code	IK08 [5 J vandal-protected]
	Surge Protection (Common/Differential)	Philips standard surge protection level
	Protection class IEC	Safety class I
220 to 240 V		
50 to 60 Hz	Initial Performance (IEC Compliant)	
53 A	Luminous flux tolerance	+/-7%
0.3 ms	Initial chromaticity	(0.433. 0.403) SDCM <3
150 W	Power consumption tolerance	+/-10%
0.99	Init. Color Rendering Index Tolerance	+/-2
Mains outlet socket and 2 DALI sockets		
-	Over Time Performance (IEC Compliant)	
e 8	Control gear failure rate at median useful $10\ \%$	
	life 100000 h	
	Lumen maintenance at median useful	L95
	life* 100000 h	
-30 to +40 °C		
	Application Conditions	
	Performance ambient temperature Tq	25 °C
Yes	Maximum dim level	10%
Power supply unit with DALI interface		
DALI	Product Data	
No	Order product name	BGB302 LED239-4S/740 PSD DSM11 D9
		MDD
	Full product name	BGB302 LED239-4S/740 PSD DSM11 D9
Stainless steel		MDD
-	Full product code	871869912037500
Polycarbonate	Order code	12037500
Glass	Material Nr. (12NC)	912300023898
Stainless steel	Numerator - Quantity Per Pack	1
Steel	EAN/UPC - Product/Case	8718699120375
Suspension set simple, standard	Numerator - Packs per outer box	1
Flat	EAN/UPC - Case	8718699120375
Clear		
	133 lm/W >70 72 740 neutral white Flat glass 148° x 148° Distribution symmetrical medium 11 220 to 240 V 50 to 60 Hz 53 A 0.3 ms 150 W 0.99 Mains outlet socket and 2 DALI sockets - e 8 -30 to +40 °C Yes Power supply unit with DALI interface DALI No Stainless steel - Polycarbonate Glass Stainless steel Steel Suspension set simple, standard	133 lm/W -770 Effective projected area Dimensions (Height x Width x Depth) 72 740 neutral white Flat glass 148° x 148° Distribution symmetrical medium 11 Equation Common/Differential) Protection class IEC 220 to 240 V 50 to 60 Hz 103 ms 150 W 0.99 Mains outlet socket and 2 DALI sockets - 8 Cover Time Performance (IEC Compliant) Infer 100000 h Lumen maintenance at median useful life* 100000 h Lumen maintenance at median useful life* 100000 h Application Conditions Performance ambient temperature Tq Maximum dim level Product Data Order product name Stainless steel - Polycarbonate Glass Stainless steel Steel Supension set simple, standard Nound interess protection code Mapproval and Application Ingress protection code Mech. impact protection code Mech. impact protection code Mech. impact protection code Surge Protection (Common/Differential) Protection class IEC Mech. impact protection code Mech. impact protection code Mech. impact protection code Surge Protection (Common/Differential) Protection class IEC Initial Performance (IEC Compliant) Luminous flux tolerance Initial Chromaticity Power consumption tolerance Initial Chromaticity Power consumption tolerance Initial Chromaticity Power consumption tolerance Initial Performance (IEC Compliant) Luminous flux tolerance Initial Performance (IEC Compliant) Application Conditions Performance at median useful life* 100000 h Lumen maintenance at median useful life* 100000 h Lumen maintenance at median useful life* 100000 h Control gear failure rate at median useful life* 100000 h Lumen maintenance at median useful life* 100000 h Cortrol gear failure rate at median useful life* 100000 h Lumen maintenance at median useful life* 100000 h Cortrol gear failure rate at median useful life* 100000 h Lumen maintenance at median useful life* 100000 h Cortrol gear failure rate at median useful life* 100000 h Cortrol gear failure rate at median useful life* 100000 h Cortrol gear failure rate at median useful lif

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Dimensional drawing





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