



# FlowLine LED unit – linear LED tunnel luminaire

## FlowLine

Tunnels often require a linear interior lighting solution. FlowLine offers an LED solution where traditionally fluorescent lighting was used. FlowLine outperforms fluorescent lighting over the full life cycle in terms of cost, safety and performance, and is a competitive alternative to HPS point-source interior lighting on total cost of ownership. Its linear build allows continuous or spaced line lighting schemes, providing optimal guidance and a high level of visual comfort. Performance can be further optimized by using FlowLine in combination with our dedicated lighting controls and service packages.

### Benefits

- Linear LED lighting ensuring safety and visual comfort
- Highly efficient lifetime solution
- Designed as part of the TotalTunnel approach for easy installation as well as reduced maintenance and lifecycle cost

### Features

- Stainless-steel modular build
- Dedicated LED design
- Long-lasting
- Designed for maintenance (modular build and glass cover)
- Can be integrated with controls and service packages for best system performance

### Application

- Traffic tunnels
- Underpasses

## Specifications

<b>Type</b>	BGB330
<b>Light source</b>	Integral LED-module
<b>Power</b>	30 up to 90 W
<b>Luminous flux</b>	3000; 6000; 10,000 lm
<b>Luminaire efficacy</b>	>100 lm/W
<b>Correlated Color</b>	4000 K (Neutral white, NW)
<b>Temperature</b>	5700 K (Cool white, CW)
<b>Color Rendering Index</b>	70
<b>Maintenance of lumen output - L80F10</b>	100,000 hours at 25 °C
<b>Operating temperature range</b>	-25 to +40 °C
<b>Driver</b>	Separate (non-self ballasted LED-module) LED-unit and driver unit need to be ordered separately
<b>Optic</b>	Distribution tunnel asymmetrical (DTA) Distribution tunnel asymmetrical narrow beam (DTA-NB) Distribution tunnel asymmetrical wide beam (DTA-WB) Distribution tunnel symmetrical (DTS) Distribution tunnel symmetrical narrow beam (DTS-NB) Distribution tunnel symmetrical wide beam (DTS-WB)

<b>Optical cover</b>	Glass, tempered (GT)
<b>Material</b>	Housing: main construction of stainless steel (pickled and passivated) Heatsink: anodized aluminum Optic: acrylic lens plates (overlay principle) Cover: ultra clear glass, thermally toughened
<b>Color</b>	Blank stainless steel and anodized aluminum
<b>Connection</b>	Flying lead with plug
<b>Maintenance</b>	Sealed unit, not serviceable
<b>Installation</b>	Ceiling mounted (horizontally) 4 flange mounting clamps included for fast installation and alignment in the horizontal plane Option for plugs connection for plug and play installation Recommended mounting height: > 4 m
<b>Accessories</b>	Spare mounting clamp sets (4 pcs)

## Versions

**FlowLine BGB330 tunnel and underpass luminaire**



## Accessories



FLOWLINE DRIVER - 4th generation, screw fixation -  
Special housing - Safety class I -  
Dimming via external communication DALI - Mains outlet socket and 2 DALI sockets

Ordercode 912300023892,  
912300023893, 912300023894

## Application Conditions

Maximum dim level	Not applicable
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## Approval and Application

Mech. impact protection code	IK08
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Surge Protection (Common/ Differential)	- kV
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## Controls and Dimming

Dimmable	No
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## General Information

Luminaire light beam spread	148° x 148°
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CE mark	CE mark
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Light source colour	740 neutral white
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Optical cover/lens type	FG
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Driver included	No
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ENEC mark	ENEC mark
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Flammability mark	F
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Light source replaceable	No
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Lamp version	4S
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Number of gear units	-
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Optic type	Distribution tunnel symmetrical
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Product Family Code	BGB330
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## Initial Performance (IEC Compliant)

Init. Corr. Colour Temperature	4000 K
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Init. Colour Rendering Index	>70
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## Light Technical

Standard tilt angle side entry	0°
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Standard tilt angle posttop	0°
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Upward light output ratio	0
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## Mechanical and Housing

Colour	Steel
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## General Information

Order Code	Full Product Name	Lamp family code
12028300	BGB330 LED139--4S/740 SH DTS C500C	LED139
12029000	BGB330 LED79--4S/740 SH DTS C500C	LED79
12030600	BGB330 LED39--4S/740 SH DTS C500C	LED39

## Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux
12028300	BGB330 LED139--4S/740 SH DTS C500C	11760 lm
12029000	BGB330 LED79--4S/740 SH DTS C500C	6800 lm

Order Code	Full Product Name	Initial luminous flux
12030600	BGB330 LED39--4S/740 SH DTS C500C	3315 lm

