



TubeLine

BGP360 LED120/740 DTS CFW C250W GP

TubeLine, Tunnel light, 72 W, 10800 lm, 4000 K, CRI70, Distribution tunnel symmetrical, Safety class I, IP66

For customers who demand a high level of visual comfort from their tunnel luminaires, fluorescent linear lighting has traditionally been the preferred choice. With excellent light uniformity on the road and walls, perfect visual guidance and high color rendering, linear lighting offers drivers superior lighting quality and safety. It also promises high system redundancy compared to point source lighting solutions. With TubeLine tunnel luminaires, you can achieve the same lighting quality, but with all the added advantages of LED technology. TubeLine is a state-of-the-art tunnel luminaire that harnesses the latest LED technology with optimized dimensions and attractive pricing for a quick return on investment. Linear lighting has never been more achievable for tunnel lighting and underpass lighting on a limited budget.

Product data

General Information	
Lamp family code	LED120 [LED module 12000 lm]
Light source replaceable	No
Number of gear units	1 unit
Gear	-
Driver included	No
Light source engine type	LED
Service tag	Yes
Lighting Technology	LED
Value ladder	Specification
Warranty period	3 years

Light Technical	
Upward light output ratio	0
Luminous Flux	10.800 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	150 lm/W
Color rendering index (CRI)	70
Number of light sources	48
Light source color	740 neutral white
Luminaire light beam spread	150°
Optic type outdoor	Distribution tunnel symmetrical
Effective projected area	0.15728 m²

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Operating and Electrical	
Input Voltage	144 V
Line Frequency	0 Hz
Inrush current	0 A
Inrush time	0 ms
Power Consumption	72 W
Power Factor (Fraction)	0.99
Connection	Flying leads/wires
Cable	Cord with plug Wieland/Adels compatible 3-pole
Number of products on MCB of 16 A type B	11
Protection class IEC	Safety class I
Surge Protection (Common/Differential)	-

Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	-
Constant light output	No

Mechanical and Housing	
Housing Material	Aluminum
Reflector material	Polycarbonate
Optic material	Polymethyl methacrylate
Optical cover material	Glass
Fixation material	Aluminum
Housing Color	Aluminum
Mounting device	-
Optical cover shape	Flat
Optical cover finish	Clear
Overall length	1,998 mm
Overall width	109 mm
Overall height	34 mm
Dimensions (Height x Width x Depth)	34 x 109 x 1998 mm
Ingress protection code	IP66 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK09 [10 J]
Standard tilt angle posttop	-
Standard tilt angle side entry	-
Optical cover type	Flat glass
Net Weight (Piece)	6.000 kg

Approval and Application	
Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1 @200mm to EN62778
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
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
Ambient temperature range	-40 to +50 °C

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
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) L97 at median useful life* 100000 h	

Sustainability Data	
Sustainability rating	Unclassified
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.
Embedded carbon (A1-A3)	104 kg CO _{2e}
Product non-virgin material ratio	2.43 %
Recyclable content ratio of the finished product	62 %
GWP total B6 (kg CO _{2eq}) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO _{2eq} / kWh)
GWP total B6 (kg CO _{2eq}) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO ₂ eq / kWh)

Product Data	
Order product name	BGP360 LED120/740 DTS CFW C250W GP
Full product name	BGP360 LED120/740 DTS CFW C250W GP
Full product code	871869909432400
Order code	912300023653
Material Nr. (12NC)	912300023653
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699094324
Numerator - Packs per outer box	1
EAN/UPC - Case	8718699094324

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Product family code

BGP360 [TubeLine 2M]

Dimensional drawing

