

Energy-efficient lighting for industrial and commercial applications

GreenPerform Trunking

With Philips GreenPerform Trunking, industry and supermarket owners have an innovative LED solution that intelligently combines high-performance lighting features with maximised energy savings. This solution is designed to boost productivity and enhance the shopping experience without compromising performance and energy-efficiency. Suitable for a wide range of applications, GreenPerform Trunking is safe, reliable and versatile, the perfect direct replacement for conventional fluorescent trunking.

Benefits

- A system efficacy of 108 lm/w, providing up to 50% energy saving when replacing 2 x 58 w fluorescent trunking. Designed for 70% lumen maintenance over 50,000 hours, ensuring reliable performance over the product lifetime.
- Specially designed plastic caps improve uniformity along the length leading to a more uniform lighting distribution.
- 3 different beam angles available (Double asymmetric/Wide-beam/Opal) enabling you to choose the most optimum solution for different applications.
- An integrated modular design with 3-phase, 5-wire connection ensuring easy and flexible installation, and the possibility of controlling each phase separately.

Features

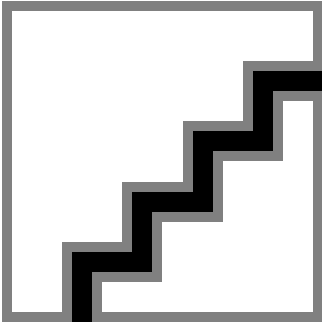
- Philips Fortimo LED Line 1R for high efficiency and reliability
- Advanced optics enable precise and energy-saving beam shapes
- Requires much less packaging than fluorescent

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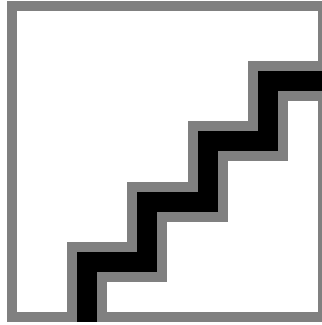
Application

- Supermarkets
- Warehouses
- Production facilities

Versions



LL120X LED35/LED70 L1500



LL120X LED70/LED140 L3000

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Driver failure rate at 5,000 hours	1 %
Application Conditions	
Ambient temperature range	-20 to +35 °C
Suitable for random switching	No
Approval and Application	
Mech. impact protection code	IK02
Ingress protection code	IP20
Operating and Electrical	
Input Voltage	220 to 240 V
General Information	
Beam angle of light source	90 x 90 °
CE mark	CE mark
Protection class IEC	Safety class I (I)
Driver included	Yes
ENEC mark	-
Flammability mark	NO
Gear	-
Glow-wire test	650/30
Light source replaceable	No
UL mark	No
Initial Performance (IEC Compliant)	
Initial chromaticity	(0.38, 0.38) SDCM <5
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	80
Initial LED luminaire efficacy	108.57 lm/W
Luminous flux tolerance	+/-7.5%
Mechanical and Housing	
Colour	White
Over Time Performance (IEC Compliant)	
Median useful life L80B50	40000 h
Median useful life L90B50	20000 h

Application Conditions

Order Code	Full Product Name	Maximum dimming level
911401582021	LL120X LED70 L1500 NW PSU 5 OP ENG	-
911401582221	LL120X LED70 L1500 NW PSU 5 WB ENG	-
911401582821	LL120X LED70 L1500 NW PSD 7 WB ENG	1% (depends on dimmer, ELV)
911401584521	LL120X LED140 L3000 NW PSU 5 OP ENG	-
911401584721	LL120X LED140 L3000 NW PSU 5 DA ENG	-
911401584821	LL120X LED140 L3000 NW PSU 5 WB ENG	-

Controls and Dimming

Order Code	Full Product Name	Dimmable	Order Code	Full Product Name	Dimmable
911401582021	LL120X LED70 L1500 NW PSU 5 OP ENG	No	911401584521	LL120X LED140 L3000 NW PSU 5 OP ENG	No
911401582221	LL120X LED70 L1500 NW PSU 5 WB ENG	No	911401584721	LL120X LED140 L3000 NW PSU 5 DA ENG	No
911401582821	LL120X LED70 L1500 NW PSD 7 WB ENG	Yes	911401584821	LL120X LED140 L3000 NW PSU 5 WB ENG	No

General Information

GreenPerform Trunking

Order Code	Full Product Name	Optical cover/lens type	Lamp family code	Number of gear units	Optic type
911401582021	LL120X LED70 L1500 NW PSU 5 OP ENG	O	LED76S	1 unit	WB
911401582221	LL120X LED70 L1500 NW PSU 5 WB ENG	LIN-PC	LED76S	1 unit	WB
911401582821	LL120X LED70 L1500 NW PSD 7 WB ENG	LIN-PC	LED76S	1 unit	WB

Order Code	Full Product Name	Optical cover/lens type	Lamp family code	Number of gear units	Optic type
911401584521	LL120X LED140 L3000 NW PSU 5 OP ENG	O	LED152	2 units	WB
911401584721	LL120X LED140 L3000 NW PSU 5 DA ENG	LIN-PC	LED152	2 units	DA
911401584821	LL120X LED140 L3000 NW PSU 5 WB ENG	LIN-PC	LED152	2 units	WB

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux	Initial input power
911401582021	LL120X LED70 L1500 NW PSU 5 OP ENG	7600 lm	70 W
911401582221	LL120X LED70 L1500 NW PSU 5 WB ENG	7600 lm	70 W
911401582821	LL120X LED70 L1500 NW PSD 7 WB ENG	7600 lm	70 W

Order Code	Full Product Name	Initial luminous flux	Initial input power
911401584521	LL120X LED140 L3000 NW PSU 5 OP ENG	15200 lm	140 W
911401584721	LL120X LED140 L3000 NW PSU 5 DA ENG	15200 lm	140 W
911401584821	LL120X LED140 L3000 NW PSU 5 WB ENG	15200 lm	140 W

