

# 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.

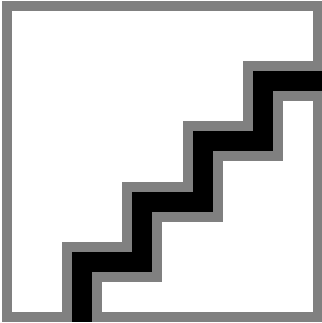
### Features

- 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

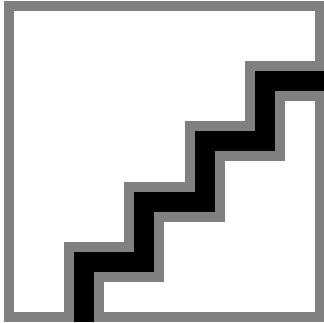
Application

- Supermarkets
- Warehouses
- Production facilities

Versions



LL120X LED35/LED70 L1500



LL120X LED70/LED140 L3000

-	
Driver failure rate at 5,000 hours	1 %
<b>Application Conditions</b>	
Ambient temperature range	-20 to +35 °C
Suitable for random switching	No
<b>Approval and Application</b>	
Mech. impact protection code	IK02
Ingress protection code	IP20
<b>Operating and Electrical</b>	
Input Voltage	220 to 240 V
<b>General Information</b>	
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
Optic type	WB
UL mark	No
<b>Initial Performance (IEC Compliant)</b>	
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%
<b>Mechanical and Housing</b>	
Colour	White
<b>Over Time Performance (IEC Compliant)</b>	
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	-
911401584821	LL120X LED140 L3000 NW PSU 5 WB ENG	-

## Controls and Dimming

Order Code	Full Product Name	Dimmable
911401582021	LL120X LED70 L1500 NW PSU 5 OP ENG	No
911401582221	LL120X LED70 L1500 NW PSU 5 WB ENG	No
911401582821	LL120X LED70 L1500 NW PSD 7 WB ENG	Yes

Order Code	Full Product Name	Dimmable
911401584521	LL120X LED140 L3000 NW PSU 5 OP ENG	No
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
911401582021	LL120X LED70 L1500 NW PSU 5 OP ENG	O	LED76S	1 unit
911401582221	LL120X LED70 L1500 NW PSU 5 WB ENG	LIN-PC	LED76S	1 unit
911401582821	LL120X LED70 L1500 NW PSD 7 WB ENG	LIN-PC	LED76S	1 unit

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

### 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
911401584821	LL120X LED140 L3000 NW PSU 5 WB ENG	15200 lm	140 W

