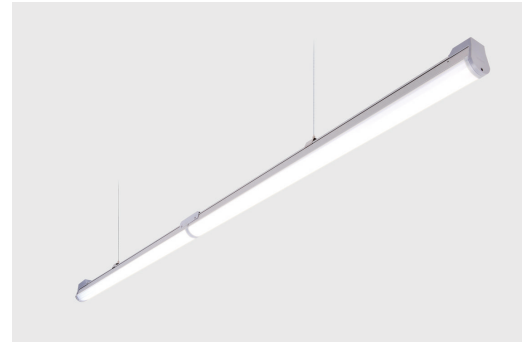




Energy-efficient lighting for industrial and commercial applications

GreenPerform Trunking

With Philips GreenPerform Trunking, industry and supermarket owners have an innovative LED solution that intelligently combines high-performance lighting features with maximized energy savings. This solution is designed to boost productivity and enhance 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 108lm/w, providing up to 50% energy saving when replacing 2 x 58w 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.

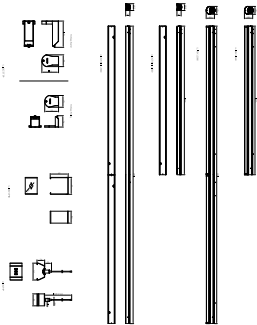
Features

- 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

Dimensional drawing



General Information	
Driver included	Yes
Gear	-
Light source replaceable	No
Light Technical	
Beam angle of light source	90 x 90 degree(s)
Color rendering index (CRI)	80
Luminous Efficacy (rated) (Nom)	108.57 lm/W
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Temperature	
Ambient temperature range	-20 to +35 °C
Mechanical and Housing	
Housing Color	White
Approval and Application	
CE mark	CE mark
Protection class IEC	Safety class I
ENEC mark	-
Flammability mark	-
Glow-wire test	Temperature 650 °C, duration 30 s
Mech. impact protection code	IK02
Ingress protection code	IP20
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7.5%
Over Time Performance (IEC Compliant)	
Driver failure rate at 5000 h	1 %
Median useful life L80B50	40,000 hour(s)
Median useful life L90B50	20,000 hour(s)
Application Conditions	
Suitable for random switching	No

General Information

Order Code	Full Product Name	Lamp family code	Number of gear units
911401583221	LL120X LED35 L1500 NW PSU 5 OP ENG	LED38S	1 unit
911401583321	LL120X LED35 L1500 NW PSU 5 DA ENG	LED38S	1 unit
911401583421	LL120X LED35 L1500 NW PSU 5 WB ENG	LED38S	1 unit
911401583521	LL120X LED35 L1500 CW PSU 5 OP ENG	LED38S	1 unit
911401583721	LL120X LED35 L1500 CW PSU 5 DA ENG	LED38S	1 unit
911401583821	LL120X LED35 L1500 CW PSU 5 WB ENG	LED38S	1 unit
911401583921	LL120X LED35 L1500 NW PSD 7 OP ENG	LED38S	1 unit
911401584021	LL120X LED35 L1500 NW PSD 7 DA ENG	LED38S	1 unit
911401584121	LL120X LED35 L1500 NW PSD 7 WB ENG	LED38S	1 unit
911401584221	LL120X LED35 L1500 CW PSD 7 OP ENG	LED38S	1 unit
911401584321	LL120X LED35 L1500 CW PSD 7 DA ENG	LED38S	1 unit
911401584421	LL120X LED35 L1500 CW PSD 7 WB ENG	LED38S	1 unit
911401583621	LL120X LED70 L3000 NW PSU 5 OP ENG	LED76S	2 units
911401584621	LL120X LED70 L3000 CW PSD 7 DA ENG	LED76S	2 units
911401585821	LL120X LED70 L3000 NW PSU 5 DA ENG	LED76S	2 units
911401586021	LL120X LED70 L3000 CW PSU 5 OP ENG	LED76S	2 units
911401586121	LL120X LED70 L3000 CW PSU 5 DA ENG	LED76S	2 units
911401586221	LL120X LED70 L3000 CW PSU 5 WB ENG	LED76S	2 units
911401586321	LL120X LED70 L3000 NW PSD 7 OP ENG	LED76S	2 units
911401586421	LL120X LED70 L3000 NW PSD 7 DA ENG	LED76S	2 units
911401586521	LL120X LED70 L3000 NW PSD 7 WB ENG	LED76S	2 units
911401586621	LL120X LED70 L3000 CW PSD 7 OP ENG	LED76S	2 units
911401586721	LL120X LED70 L3000 CW PSD 7 WB ENG	LED76S	2 units

Light Technical

Correlated						Correlated					
Full		Color		Optical cover/		Full		Color		Optical cover/	
Order Code	Product Name	Temperature (Nom)	Optical cover/ lens type	Luminous Flux	Optic type	Order Code	Product Name	Temperature (Nom)	Optical cover/ lens type	Luminous Flux	Optic type
911401583221	LL120X LED35 L1500 NW PSU 5 OP ENG	4000 K	Opal	3,800 lumen	Wide beam	911401583321	LL120X LED35 L1500 NW PSU 5 DA ENG	4000 K	Linear-lens array in polycarbonate cover	3,800 lumen	Double asymmetric optic

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Optical cover/ lens type	Luminous Flux	Optic type
911401583421	LL120X	4000 K	Linear-lens array in polycarbonate cover	3,800 lumen	Wide beam
	LED35				
	L1500 NW				
	PSU 5 WB ENG				
911401583521	LL120X	6500 K	Opal	3,800 lumen	Wide beam
	LED35				
	L1500 CW				
	PSU 5 OP ENG				
911401583721	LL120X	6500 K	Linear-lens array in polycarbonate cover	3,800 lumen	Double asymmetric optic
	LED35				
	L1500 CW				
	PSU 5 DA ENG				
911401583821	LL120X	6500 K	Linear-lens array in polycarbonate cover	3,800 lumen	Wide beam
	LED35				
	L1500 CW				
	PSU 5 WB ENG				
911401583921	LL120X	4000 K	Opal	3,800 lumen	Wide beam
	LED35				
	L1500 NW				
	PSD 7 OP ENG				
911401584021	LL120X	4000 K	Linear-lens array in polycarbonate cover	3,800 lumen	Double asymmetric optic
	LED35				
	L1500 NW				
	PSD 7 DA ENG				
911401584121	LL120X	4000 K	Linear-lens array in polycarbonate cover	3,800 lumen	Wide beam
	LED35				
	L1500 NW				
	PSD 7 WB ENG				
911401584221	LL120X	6500 K	Opal	3,800 lumen	Wide beam
	LED35				
	L1500 CW				
	PSD 7 OP ENG				
911401584321	LL120X	6500 K	Linear-lens array in polycarbonate cover	3,800 lumen	Double asymmetric optic
	LED35				
	L1500 CW				
	PSD 7 DA ENG				
911401584421	LL120X	6500 K	Linear-lens array in polycarbonate cover	3,800 lumen	Wide beam
	LED35				
	L1500 CW				

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Optical cover/ lens type	Luminous Flux	Optic type
911401583621	PSD 7 WB ENG	4000 K	Opal	7,600 lumen	Wide beam
	LED70				
	L3000 NW				
911401584621	PSU 5 OP ENG	6500 K	Linear-lens array in polycarbonate cover	7,600 lumen	Double asymmetric optic
	LED70				
	L3000 CW				
911401585821	PSD 7 DA ENG	4000 K	Linear-lens array in polycarbonate cover	7,600 lumen	Double asymmetric optic
	LED70				
	L3000 NW				
911401586021	PSU 5 DA ENG	6500 K	Opal	7,600 lumen	Wide beam
	LED70				
	L3000 CW				
911401586121	PSU 5 OP ENG	6500 K	Linear-lens array in polycarbonate cover	7,600 lumen	Double asymmetric optic
	LED70				
	L3000 CW				
911401586221	PSU 5 DA ENG	6500 K	Linear-lens array in polycarbonate cover	7,600 lumen	Wide beam
	LED70				
	L3000 CW				
911401586321	PSU 5 WB ENG	4000 K	Opal	7,600 lumen	Wide beam
	LED70				
	L3000 NW				
911401586421	PSD 7 OP ENG	4000 K	Linear-lens array in polycarbonate cover	7,600 lumen	Double asymmetric optic
	LED70				
	L3000 NW				
911401586521	PSD 7 DA ENG	4000 K	Linear-lens array in polycarbonate cover	7,600 lumen	Wide beam
	LED70				
	L3000 NW				
911401586621	PSD 7 WB ENG	6500 K	Opal	7,600 lumen	Wide beam
	LED70				
	LED70				

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Optical cover/ lens type	Luminous Flux	Optic type
911401586721	L3000 CW	6500 K	Linear-lens array in polycarbonate cover	7,600 lumen	Wide beam
	PSD 7 OP				
	ENG				

Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401583221	LL120X LED35 L1500 NW PSU 5 OP ENG	35 W
911401583321	LL120X LED35 L1500 NW PSU 5 DA ENG	35 W
911401583421	LL120X LED35 L1500 NW PSU 5 WB ENG	35 W
911401583521	LL120X LED35 L1500 CW PSU 5 OP ENG	35 W
911401583721	LL120X LED35 L1500 CW PSU 5 DA ENG	35 W
911401583821	LL120X LED35 L1500 CW PSU 5 WB ENG	35 W
911401583921	LL120X LED35 L1500 NW PSD 7 OP ENG	35 W
911401584021	LL120X LED35 L1500 NW PSD 7 DA ENG	35 W
911401584121	LL120X LED35 L1500 NW PSD 7 WB ENG	35 W
911401584221	LL120X LED35 L1500 CW PSD 7 OP ENG	35 W
911401584321	LL120X LED35 L1500 CW PSD 7 DA ENG	35 W
911401584421	LL120X LED35 L1500 CW PSD 7 WB ENG	35 W

Order Code	Full Product Name	Power Consumption
911401583621	LL120X LED70 L3000 NW PSU 5 OP ENG	70 W
911401584621	LL120X LED70 L3000 CW PSD 7 DA ENG	70 W
911401585821	LL120X LED70 L3000 NW PSU 5 DA ENG	70 W
911401586021	LL120X LED70 L3000 CW PSU 5 OP ENG	70 W
911401586121	LL120X LED70 L3000 CW PSU 5 DA ENG	70 W
911401586221	LL120X LED70 L3000 CW PSU 5 WB ENG	70 W
911401586321	LL120X LED70 L3000 NW PSD 7 OP ENG	70 W
911401586421	LL120X LED70 L3000 NW PSD 7 DA ENG	70 W
911401586521	LL120X LED70 L3000 NW PSD 7 WB ENG	70 W
911401586621	LL120X LED70 L3000 CW PSD 7 OP ENG	70 W
911401586721	LL120X LED70 L3000 CW PSD 7 WB ENG	70 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
911401583221	LL120X LED35 L1500 NW PSU 5 OP ENG	No
911401583321	LL120X LED35 L1500 NW PSU 5 DA ENG	No
911401583421	LL120X LED35 L1500 NW PSU 5 WB ENG	No
911401583521	LL120X LED35 L1500 CW PSU 5 OP ENG	No
911401583721	LL120X LED35 L1500 CW PSU 5 DA ENG	No
911401583821	LL120X LED35 L1500 CW PSU 5 WB ENG	No
911401583921	LL120X LED35 L1500 NW PSD 7 OP ENG	Yes
911401584021	LL120X LED35 L1500 NW PSD 7 DA ENG	Yes
911401584121	LL120X LED35 L1500 NW PSD 7 WB ENG	Yes
911401584221	LL120X LED35 L1500 CW PSD 7 OP ENG	Yes
911401584321	LL120X LED35 L1500 CW PSD 7 DA ENG	Yes
911401584421	LL120X LED35 L1500 CW PSD 7 WB ENG	Yes

Order Code	Full Product Name	Dimmable
911401583621	LL120X LED70 L3000 NW PSU 5 OP ENG	No
911401584621	LL120X LED70 L3000 CW PSD 7 DA ENG	Yes
911401585821	LL120X LED70 L3000 NW PSU 5 DA ENG	No
911401586021	LL120X LED70 L3000 CW PSU 5 OP ENG	No
911401586121	LL120X LED70 L3000 CW PSU 5 DA ENG	No
911401586221	LL120X LED70 L3000 CW PSU 5 WB ENG	No
911401586321	LL120X LED70 L3000 NW PSD 7 OP ENG	Yes
911401586421	LL120X LED70 L3000 NW PSD 7 DA ENG	Yes
911401586521	LL120X LED70 L3000 NW PSD 7 WB ENG	Yes
911401586621	LL120X LED70 L3000 CW PSD 7 OP ENG	Yes
911401586721	LL120X LED70 L3000 CW PSD 7 WB ENG	Yes

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
911401583221	LL120X LED35 L1500 NW PSU 5 OP ENG	(0.38, 0.38) SDCM <5
911401583321	LL120X LED35 L1500 NW PSU 5 DA ENG	(0.38, 0.38) SDCM <5
911401583421	LL120X LED35 L1500 NW PSU 5 WB ENG	(0.38, 0.38) SDCM <5
911401583521	LL120X LED35 L1500 CW PSU 5 OP ENG	(0.31, 0.32) SDCM <5

Order Code	Full Product Name	Initial chromaticity
911401583721	LL120X LED35 L1500 CW PSU 5 DA ENG	(0.31, 0.32) SDCM <5
911401583821	LL120X LED35 L1500 CW PSU 5 WB ENG	(0.31, 0.32) SDCM <5
911401583921	LL120X LED35 L1500 NW PSD 7 OP ENG	(0.38, 0.38) SDCM <5
911401584021	LL120X LED35 L1500 NW PSD 7 DA ENG	(0.38, 0.38) SDCM <5

Order Code	Full Product Name	Initial chromaticity
911401584121	LL120X LED35 L1500 NW PSD 7 WB ENG	(0.38, 0.38) SDCM <5
911401584221	LL120X LED35 L1500 CW PSD 7 OP ENG	(0.31, 0.32) SDCM <5
911401584321	LL120X LED35 L1500 CW PSD 7 DA ENG	(0.31, 0.32) SDCM <5
911401584421	LL120X LED35 L1500 CW PSD 7 WB ENG	(0.31, 0.32) SDCM <5
911401583621	LL120X LED70 L3000 NW PSU 5 OP ENG	(0.38, 0.38) SDCM <5
911401584621	LL120X LED70 L3000 CW PSD 7 DA ENG	(0.31, 0.32) SDCM <5
911401585821	LL120X LED70 L3000 NW PSU 5 DA ENG	(0.38, 0.38) SDCM <5
911401586021	LL120X LED70 L3000 CW PSU 5 OP ENG	(0.31, 0.32) SDCM <5

Order Code	Full Product Name	Initial chromaticity
911401586121	LL120X LED70 L3000 CW PSU 5 DA ENG	(0.31, 0.32) SDCM <5
911401586221	LL120X LED70 L3000 CW PSU 5 WB ENG	(0.31, 0.32) SDCM <5
911401586321	LL120X LED70 L3000 NW PSD 7 OP ENG	(0.38, 0.38) SDCM <5
911401586421	LL120X LED70 L3000 NW PSD 7 DA ENG	(0.38, 0.38) SDCM <5
911401586521	LL120X LED70 L3000 NW PSD 7 WB ENG	(0.38, 0.38) SDCM <5
911401586621	LL120X LED70 L3000 CW PSD 7 OP ENG	(0.31, 0.32) SDCM <5
911401586721	LL120X LED70 L3000 CW PSD 7 WB ENG	(0.31, 0.32) SDCM <5

Application Conditions

Order Code	Full Product Name	Maximum dim level
911401583221	LL120X LED35 L1500 NW PSU 5 OP ENG	-
911401583321	LL120X LED35 L1500 NW PSU 5 DA ENG	-
911401583421	LL120X LED35 L1500 NW PSU 5 WB ENG	-
911401583521	LL120X LED35 L1500 CW PSU 5 OP ENG	-
911401583721	LL120X LED35 L1500 CW PSU 5 DA ENG	-
911401583821	LL120X LED35 L1500 CW PSU 5 WB ENG	-
911401583921	LL120X LED35 L1500 NW PSD 7 OP ENG	1% (depends on dimmer, ELV)
911401584021	LL120X LED35 L1500 NW PSD 7 DA ENG	1% (depends on dimmer, ELV)
911401584121	LL120X LED35 L1500 NW PSD 7 WB ENG	1% (depends on dimmer, ELV)
911401584221	LL120X LED35 L1500 CW PSD 7 OP ENG	1% (depends on dimmer, ELV)
911401584321	LL120X LED35 L1500 CW PSD 7 DA ENG	1% (depends on dimmer, ELV)
911401584421	LL120X LED35 L1500 CW PSD 7 WB ENG	1% (depends on dimmer, ELV)

Order Code	Full Product Name	Maximum dim level
911401583621	LL120X LED70 L3000 NW PSU 5 OP ENG	-
911401584621	LL120X LED70 L3000 CW PSD 7 DA ENG	1% (depends on dimmer, ELV)
911401585821	LL120X LED70 L3000 NW PSU 5 DA ENG	-
911401586021	LL120X LED70 L3000 CW PSU 5 OP ENG	-
911401586121	LL120X LED70 L3000 CW PSU 5 DA ENG	-
911401586221	LL120X LED70 L3000 CW PSU 5 WB ENG	-
911401586321	LL120X LED70 L3000 NW PSD 7 OP ENG	1% (depends on dimmer, ELV)
911401586421	LL120X LED70 L3000 NW PSD 7 DA ENG	1% (depends on dimmer, ELV)
911401586521	LL120X LED70 L3000 NW PSD 7 WB ENG	1% (depends on dimmer, ELV)
911401586621	LL120X LED70 L3000 CW PSD 7 OP ENG	1% (depends on dimmer, ELV)
911401586721	LL120X LED70 L3000 CW PSD 7 WB ENG	1% (depends on dimmer, ELV)

