CoreLine Trunking – the clear choice for LED

CoreLine Trunking

Whether for a new facility or renovation of an existing space, customers want lighting solutions that provide quality of light and substantial energy and maintenance savings. The new CoreLine Trunking range of LED products can be used to replace general lighting. The process of selecting, installing and maintaining is so easy – it's a simple switch.

Benefits

- High efficiency enables energy savings of more than 50% compared to fluorescent-based luminaires; attractive investment level and fast payback
- Good quality of light with high output to meet the requirements of demanding applications
- Easy to order and install, thus requiring less time and reducing packaging waste and complexity

Features

- Philips Fortimo LED Line 1R for high efficiency and reliability
- Advanced optics enable precise and energy-saving beam shapes
- Simplicity: only two 12 NC codes needed to make a light line
- Requires much less packaging than fluorescent, reducing total installation time

Application

- Supermarkets
- Warehouses
- Production facilities

Specifications

CoreLine Trunking

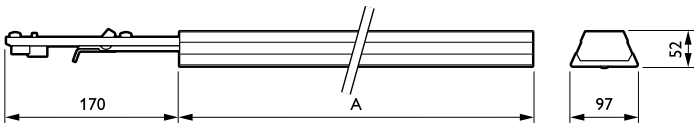
Type	LL120X (3.4 m version)
	LL120X (3.4 m standalone version: ready-to-install (KIT) with ceiling-mounting bracket (SMB))
	LL121X (1.7 m version)
	LL121X (1.7 m standalone version: ready-to-install (KIT) with ceiling-mounting bracket (SMB))
	LL122X (3.4 m half blind version)
	LL123X (3C track version)
Light source	Philips Fortimo LED Line 1R
Power	LL120X: 69 or 124 W
	LL121X: 34.5 or 62 W
Beam angle	2 x 20, 2 x 25, 2 x 30, 2 x 45, 2 x 50, 2 x 80, 1 x 30º
Luminous flux	LL120X: 9,000 or 16,000 lm for 4,000 and 6,500 K, 15,200 lm for 3,000 K
	LL121X: 4,500 or 8,000 lm for 4,000 and 6,500 K, 7,600 lm for 3,000 K
Correlated Colour Temperature	3,000, 4,000 and 6,500 K
Colour Rendering Index	>80
Lumen maintenance at median useful life* 50,000 h	L80
Control gear failure rate at median useful life 50,000 h	5%
Performance Ambient Temperature Tq	+25 ºC

Operating temperature range	-20 to +35 ºC
Driver	Built-in (Philips Xitanium)
Mains voltage	230 or 240 V/50-60 Hz
Dimming	DALI dimmer
Control system input	0-16 V
Material	Housing: steel
	Lenses: PMMA or polycarbonate (for emergency lighting versions)
Colour	White
Optic	Narrow, medium, wide beam, asymmetric, double asymmetric and opal optic
Optical cover	PMMA or polycarbonate
Connection	Integral male/female connectors
Maintenance	No internal cleaning required
Installation	Suspended with brackets and wire (standard)
	Surface-mounted with caddy clip or bracket (additional accessories required)
	Through-wiring standard
Accessories	Blind covers, chain brackets, profile brackets, mounting brackets for suspension wire and ceiling mounting brackets, suspension wire, electrical connectors (LL120Z)
Remarks	Emergency lighting versions, battery-based (3 hours, EL3) or centrally driven emergency

Versions

LL122X - LED Module, system flux 8000 lm

Dimensional drawing



Product
LL121X 7 WH BC

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LL121X 7 WH BC

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Product
LL121X 7 WH BC

Product details

CoreLine trunking LL122X luminaire, half blind cover and half single lumen version

Product details

IPDP_LL120Xi_0015-Detail photo

CoreLine trunking LL121X housing with blind cover

CoreLine trunking LL120X/LL121X luminaire, single lumen version, opal

CoreLine trunking LL120X/LL121X luminaire, double lumen version, opal

Accessories

Mounting bracket for suspension wire, 2 end pieces and connection unit 7-pole

Ordercode 910925255036

Ceiling mounting bracket

Ordercode 910925255037

Accessories

CoreLine trunking LL120X/LL121X luminaire, single lumen version

Ordercode 910925682907

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	
Circuit	No
Input Voltage	220 to 240 V
General Information	
Accessories included	MB-SW
Beam angle of light source	120 °
CE mark	CE mark
Protection class IEC	Safety class I (I)
Optical cover/lens type	No
Driver included	Yes
Emergency lighting	No
ENEC mark	ENEC mark
Flammability mark	F
Glow-wire test	650/5
Light source replaceable	No
Mechanical accessories	No
Internal wiring	Standard
Initial Performance (IEC Compliant)	
Initial chromaticity	(0.38, 0.38) SDCM <3
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	≥80
Initial LED luminaire efficacy	148 lm/W
Mechanical and Housing	
Colour	White
Diameter	-

Application Conditions

Order Code	Full Product Name	Maximum dimming level
910925863967	LL120X LED160S/840 2x PSU WB 5 WH	Not applicable
910925863971	LL121X LED80S/840 1x PSD WB 7 WH	1%
910925864009	LL120X LED160S/840 2x PSU A 5 WH	Not applicable
910925864018	LL120X LED160S/840 2x PSD A 7 VLC WH	1%
910925864035	LL121X LED80S/840 1x PSD A 7 WH	1%

Controls and Dimming

CoreLine Trunking

Order Code	Full Product Name	Dimmable
910925863967	LL120X LED160S/840 2x PSU WB 5 WH	No
910925863971	LL121X LED80S/840 1x PSD WB 7 WH	Yes
910925864009	LL120X LED160S/840 2x PSU A 5 WH	No

Order Code	Full Product Name	Dimmable
910925864018	LL120X LED160S/840 2x PSD A 7 VLC WH	Yes
910925864035	LL121X LED80S/840 1x PSD A 7 WH	Yes

General Information (1/2)

Order Code	Full Product Name	Lamp family code	Number of gear units	Number of light sources	Optic type
910925863967	LL120X LED160S/840 2x PSU WB 5 WH	LED160S	2 units	6	WB
910925863971	LL121X LED80S/840 1x PSD WB 7 WH	LED80S	1 unit	3	WB
910925864009	LL120X LED160S/840 2x PSU A 5 WH	LED160S	2 units	6	A

Order Code	Full Product Name	Lamp family code	Number of gear units	Number of light sources	Optic type
910925864018	LL120X LED160S/840 2x PSD A 7 VLC WH	LED160S	2 units	6	A
910925864035	LL121X LED80S/840 1x PSD A 7 WH	LED80S	1 unit	3	A

General Information (2/2)

Order Code	Full Product Name	Product family code
910925863967	LL120X LED160S/840 2x PSU WB 5 WH	LL120X
910925863971	LL121X LED80S/840 1x PSD WB 7 WH	LL121X
910925864009	LL120X LED160S/840 2x PSU A 5 WH	LL120X

Order Code	Full Product Name	Product family code
910925864018	LL120X LED160S/840 2x PSD A 7 VLC WH	LL120X
910925864035	LL121X LED80S/840 1x PSD A 7 WH	LL121X

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial luminous flux	Luminous flux tolerance	Initial input power
910925863967	LL120X LED160S/840 2x PSU WB 5 WH	16000 lm	+/-2%	108 W
910925863971	LL121X LED80S/840 1x PSD WB 7 WH	8000 lm	+/-1%	54 W
910925864009	LL120X LED160S/840 2x PSU A 5 WH	16000 lm	+/-2%	108 W

Order Code	Full Product Name	Initial luminous flux	Luminous flux tolerance	Initial input power
910925864018	LL120X LED160S/840 2x PSD A 7 VLC WH	16000 lm	+/-2%	108 W
910925864035	LL121X LED80S/840 1x PSD A 7 WH	8000 lm	+/-1%	54 W