



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

Туре	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 30°
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	3,000, 4,000 and 6,500 K
Temperature	
Colour Rendering Index	>80
Lumen maintenance at	L80
median useful life*	
50,000 h	
Control gear failure rate	5%
at median useful life	
50,000 h	
Performance Ambient	+25 ºC
Temperature Tq	

Operating temperature	-20 to +35 °C
range	
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

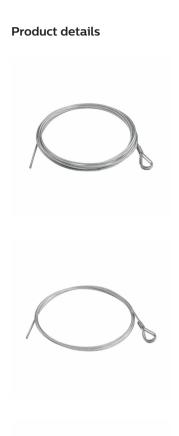
Versions



CoreLine trunking LL120X/LL121X luminaire, single lumen version



LL122X - LED Module, system flux 8000 lm



Suspension wire Ø 2 mm, length 3 m



LineSense motion detection unit

Suspension wire \emptyset 2 mm, length 1.25 m



Mounting bracket for suspension wire, 2 end pieces and connection unit 9-pole



Chain bracket, 5 pieces



End pieces, 6 pieces



Suspension wire Ø 2 mm, length 5 m



Profile bracket, 5 pieces

Product details



Electrical connector 9-pole male and female, 4 sets



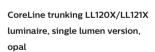
CoreLine trunking LL122X luminaire, half blind cover and half single lumen version





IPDP_LL120Xi_0015-Detail photo







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

Product details



IPDP_LL120Xi_0003-Detail photo





CoreLine trunking LL123X luminaire, track version

Accessories



Mounting bracket for suspension wire, 2 pieces

Ordercode 88155199



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

Ordercode 88146900



Ceiling mounting bracket

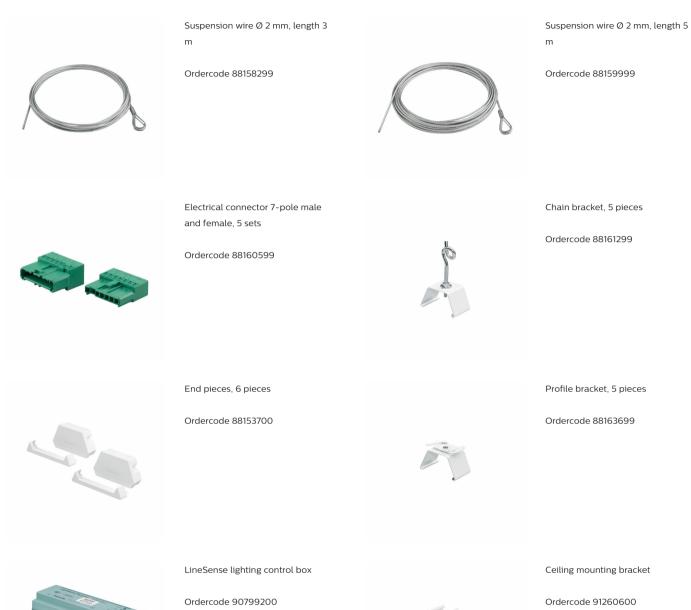
Ordercode 910925255037, 910925255170



Suspension wire \emptyset 2 mm, length 1.25 m

Ordercode 88157599

Accessories





Ceiling mounting bracket

Ambient temperature range -20 to +35 °C Suitable for random switching No Approval and Application Mech. impact protection code IKO2 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 Optical cover/lens type No Driver included Yes Emergency lighting No ENEC mark ENEC mark Flammability mark F Glow-wire test Temperature 650 °C, duration 5 s Light source replaceable No Mechanical accessories No Internal wiring Standard Initial Performance (IEC Compliant) Initial Corr. Colour Temperature 4000 K Init. Corr. Colour Temperature 280 Mechanical and Housing Colour White Diameter -		
Suitable for random switching Approval and Application Mech. impact protection code IKO2 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 Optical cover/lens type No Driver included Yes Emergency lighting No ENEC mark ENEC mark Flammability mark F Glow-wire test Temperature 650 °C, duration 5 s 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 Mechanical and Housing Colour White	Application Conditions	
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 Optical cover/lens type No Driver included Yes Emergency lighting No ENEC mark ENEC mark Flammability mark F Glow-wire test Temperature 650 °C, duration 5 s Light source replaceable 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 Mechanical and Housing Colour White	Ambient temperature range	-20 to +35 °C
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Optical cover/lens type No Driver included Yes Emergency lighting No ENEC mark ENEC mark Flammability mark F Glow-wire test Temperature 650 °C, duration 5 s 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 Mechanical and Housing Colour White	CE mark	CE mark
Driver included Yes Emergency lighting No ENEC mark ENEC mark Flammability mark F Glow-wire test Temperature 650 °C, duration 5 s 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 Mechanical and Housing Colour White	Protection class IEC	Safety class I
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ENEC mark Flammability mark Glow-wire test C, duration 5 s Light source replaceable No Mechanical accessories Initial Performance (IEC Compliant) Initial chromaticity (0.38, 0.38) SDCM <3 Init. Corr. Colour Temperature 4000 K Init. Colour rendering index Mechanical and Housing Colour White	Driver included	Yes
Flammability mark Glow-wire test Temperature 650 °C, duration 5 s Light source replaceable No Mechanical accessories Initial Performance (IEC Compliant) Initial chromaticity (0.38, 0.38) SDCM <3 Init. Corr. Colour Temperature Init. Colour rendering index Mechanical and Housing Colour White	Emergency lighting	No
Glow-wire test Temperature 650 °C, duration 5 s Light source replaceable No Mechanical accessories Initial Performance (IEC Compliant) Initial chromaticity (0.38, 0.38) SDCM <3 Init. Corr. Colour Temperature Init. Colour rendering index Mechanical and Housing Colour White	ENEC mark	ENEC mark
°C, duration 5 s Light source replaceable No Mechanical accessories No Internal wiring Standard Initial Performance (IEC Compliant) Initial chromaticity (0.38, 0.38) SDCM	Flammability mark	F
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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 Mechanical and Housing Colour White		°C, duration 5 s
Initial Performance (IEC Compliant) Initial chromaticity (0.38, 0.38) SDCM <3 Init. Corr. Colour Temperature 4000 K Init. Colour rendering index ≥80 Mechanical and Housing Colour White	Light source replaceable	No
Initial Performance (IEC Compliant) Initial chromaticity (0.38, 0.38) SDCM <3 Init. Corr. Colour Temperature 4000 K Init. Colour rendering index ≥80 Mechanical and Housing Colour White	Mechanical accessories	No
Initial chromaticity (0.38, 0.38) SDCM <3 Init. Corr. Colour Temperature 4000 K Init. Colour rendering index ≥80 Mechanical and Housing Colour White	Internal wiring	Standard
Initial chromaticity (0.38, 0.38) SDCM <3 Init. Corr. Colour Temperature 4000 K Init. Colour rendering index ≥80 Mechanical and Housing Colour White		
Init. Corr. Colour Temperature 4000 K Init. Colour rendering index ≥80 Mechanical and Housing Colour White	Initial Performance (IEC Compli	iant)
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Init. Colour rendering index ≥80 Mechanical and Housing Colour White		<3
Mechanical and Housing Colour White	Init. Corr. Colour Temperature	4000 K
Colour White	Init. Colour rendering index	≥80
Colour White		
	Mechanical and Housing	
Diameter -	Colour	White
	Diameter	-

Application Conditions

Order Code	Full Product Name	Maximum dimming level
90746600	LL120X LED90S/840 2x PSD WB 9 VLC WH	1%
88140700	LL121X LED45S/840 1x PSD WB 7 WH	1%
38078900	LL121X LED80S/840 PSU WB SMB WH KIT	Not applicable
38143400	LL121X LED80S/840 1x PSD MB 9 WH	1%

Controls and Dimming

Order Code	Full Product Name	Dimmable
90746600	LL120X LED90S/840 2x PSD WB 9 VLC WH	Yes
88140700	LL121X LED45S/840 1x PSD WB 7 WH	Yes

Order Code	Full Product Name	Dimmable
38078900	LL121X LED80S/840 PSU WB SMB WH KIT	No
38143400	LL121X LED80S/840 1x PSD MB 9 WH	Yes

General Information (1/2)

		Lamp		Number of	
		family	Number of	light	Optic
Order Code	Full Product Name	code	gear units	sources	type
90746600	LL120X LED90S/840 2x	LED90S	2 units	6	WB
	PSD WB 9 VLC WH				
88140700	LL121X LED45S/840 1x	LED45S	1 unit	3	WB
	PSD WB 7 WH				

		Lamp		Number of	
		family	Number of	light	Optic
Order Code	Full Product Name	code	gear units	sources	type
38078900	LL121X LED80S/840	LED80S	1 unit	3	WB
	PSU WB SMB WH KIT				

		Lamp		Number of	
		family	Number of	light	Optic
Order Code	Full Product Name	code	gear units	sources	type
38143400	LL121X LED80S/840 1x	LED80S	1 unit	3	MB
	PSD MB 9 WH				

General Information (2/2)

Order Code	Full Product Name	Product family code
90746600	LL120X LED90S/840 2x PSD WB 9 VLC WH	LL120X
88140700	LL121X LED45S/840 1x PSD WB 7 WH	LL121X

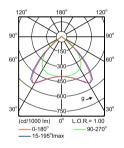
Order Code	Full Product Name	Product family code
38078900	LL121X LED80S/840 PSU WB SMB WH KIT	LL121X
38143400	LL121X LED80S/840 1x PSD MB 9 WH	LL121X

Initial Performance (IEC Compliant)

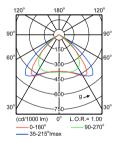
		Initial LED luminaire	Initial luminous	Luminous flux	Initial input
Order Code	Full Product Name	efficacy	flux	tolerance	power
90746600	LL120X	141 lm/W	9000 lm	+/-7%	64 W
	LED90S/840 2x				
	PSD WB 9 VLC WH				
88140700	LL121X LED45S/840	141 lm/W	4500 lm	+/-7%	32 W
	1x PSD WB 7 WH				

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Luminous flux tolerance	Initial input power
38078900	LL121X LED80S/840 PSU WB SMB WH KIT	148 lm/W	8000 lm	+/-1%	54 W
38143400	LL121X LED80S/840 1x PSD MB 9 WH	148 lm/W	8000 lm	+/-1%	54 W

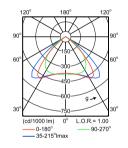
Polar Wide Diagrams



IFPS_LL121X 1xLED45S/840 WB-Polar Normal (separate)



IFPS_LL121X 1xLED80S/840 WB-Polar Normal (separate)



IFPS_LL120X 1xLED152S/830 WB-Polar Normal (separate)



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