



# 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



LL122X - LED Module, system flux 8000 lm

# Dimensional drawing



Product

LL121X 7 WH BC

11

Product

LL121X 7 WH BC

11

Product

LL121X 7 WH BC

#### **Product details**



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



#### **Product details**







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

Ambient temperature range -20 to +35 °C Suitable for random switching No  Approval and Application Mech. impact protection code IRO2 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/tens 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		
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Mechanical accessories     No       Internal wiring     Standard       Initial Performance (IEC Compliant)       Initial chromaticity     (0.38, 0.38) SDCM       <3		
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Initial LED luminaire efficacy 148 lm/W  Mechanical and Housing  Colour White		
Mechanical and Housing Colour White		
Colour White		,
Colour White	Mechanical and Housing	
Diameter -		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**

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)

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

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

### 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)

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

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



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