



# CoreLine Trunking

## LL120X LED90S/840 2x PSD NB 7 VLC WH

CoreLine Trunking - LED module, system flux 9000 lm - Power supply unit with DALI interface - Narrow beam

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.

### Product data

General Information			
Number of light sources	6 pcs	Protection class IEC	Safety class I
Lamp family code	LED90S [ LED module, system flux 9000 lm]	Mounting	Suspension set 1-wire
Beam angle of light source	120 °	Ready-to-install	-
Light source color	840 neutral white	Glow-wire test	Temperature 650 °C, duration 5 s
Light source replaceable	No	Flammability mark	For mounting on normally flammable surfaces
Number of gear units	2 units	Accessories included	Mounting bracket for suspension wire
Driver/power unit/transformer	Power supply unit with DALI interface	CE mark	CE mark
Driver included	Yes	ENEC mark	ENEC mark
Optic type	Narrow beam	Warranty period	3 years + 2 years upon registration
Optical cover/lens type	-	Mechanical accessories	-
Luminaire light beam spread	20° x 68°	Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore the median useful life (B50) value also represents the B10 value.
Emergency lighting	-		
Control interface	DALI		
Internal wiring	Standard		
Feed-through wiring	Feed-through wiring 7-phase		
Connection	Connection unit 7-pole		
Cable	-		

## CoreLine Trunking

Constant light output	No
Number of products on MCB of 16 A type B	12
RoHS mark	RoHS mark
Product family code	LL120X [ CoreLine Trunking]
Unified glare rating CEN	Not applicable

### Light Technical

Light Distribution	Direct lighting
--------------------	-----------------

### Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Control signal voltage	0-16 V DC DALI
Circuit	-
Circuit option	7 conductors
Inrush current	44 A
Inrush time	0.275 ms
Power Factor (Min)	0.95

### Controls and Dimming

Dimmable	Yes
----------	-----

### Mechanical and Housing

Housing Material	Steel
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Acrylate
Fixation material	Steel
Optical cover/lens finish	Clear
Overall length	3450 mm
Overall width	95 mm
Overall height	52 mm
Height	52 mm
Diameter	-
Color	White

### Approval and Application

Ingress protection code	IP20 [ Finger-protected]
-------------------------	--------------------------

Mech. impact protection code	IK02 [ 0.2 J standard]
------------------------------	------------------------

### Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	9000 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	141 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	≥80
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	64 W
Power consumption tolerance	+/-11%

### Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L80

### Application Conditions

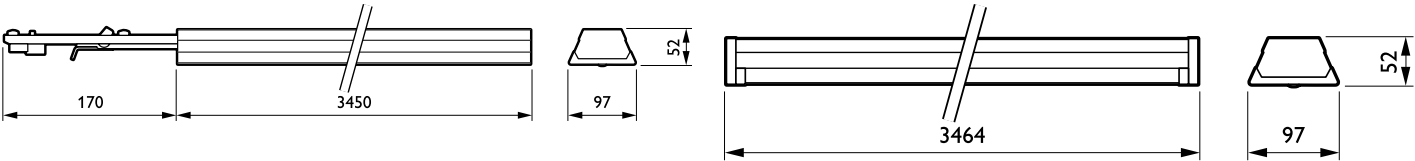
Ambient temperature range	-20 to +35 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	No

### Product Data

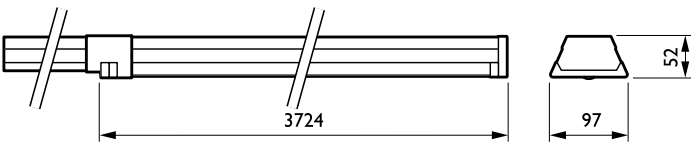
Full product code	871829188190200
Order product name	LL120X LED90S/840 2x PSD NB 7 VLC WH
EAN/UPC - Product	8718291881902
Order code	910925682933
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910925682933
Net Weight (Piece)	7.230 kg

CoreLine Trunking

Dimensional drawing



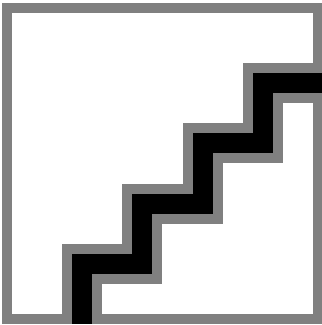
CoreLine electr. units LL120X-LL122X



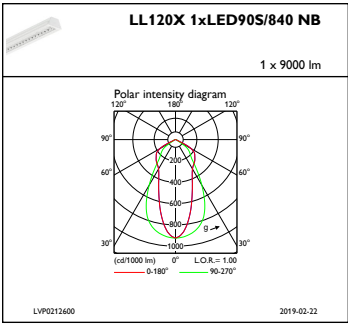
CoreLine electr. units LL120X-LL122X

CoreLine electr. units LL120X-LL122X

Photometric data



IFGU1\_LL120X1xLED90S840NB



IFPC1\_LL120X1xLED90S840NB

