



# CoreLine Trunking

## LL121X LED80S/840 1x PSD NB 9 EL3 WH

CoreLine Trunking - 3 pcs - LED Module, system flux 8000 lm - Power supply unit with DALI interface - Narrow beam - - - 9 conductors - Emergency lighting 3 hours duration - Feed-through wiring 9-phase - Ceiling-mounting bracket - White - - -

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		Internal wiring	
Number of light sources	3 [ 3 pcs]	Internal wiring	Standard
Lamp family code	LED80S [ LED Module, system flux 8000 lm]	Feed-through wiring	Feed-through wiring 9-phase
Beam angle of light source	120 °	Connection	CU9 [ Connection unit 9-pole]
Light source colour	840 neutral white	Cable	-
Light source replaceable	No	Protection class IEC	Safety class I (I)
Number of gear units	1 unit	Mounting	SMB [ Ceiling-mounting bracket]
Driver/power unit/transformer	PSD [ Power supply unit with DALI interface]	Ready-to-install	-
Driver included	Yes	Glow-wire test	850/5 [ Temperature 850 °C, duration 5 s]
Optic type	NB [ Narrow beam]	Flammability mark	F [ For mounting on normally flammable surfaces]
Optical cover/lens type	No [ -]	Accessories included	MB-SW [ Mounting bracket for suspension wire]
Luminaire light beam spread	48° x 66°	CE mark	CE mark
Emergency lighting	EL3 [ Emergency lighting 3 hours duration]	ENEC mark	ENEC mark
Control interface	DALI		

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Mechanical accessories	No [-]
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.
Constant light output	No
Number of products on MCB (16 A type B)	24
EU RoHS compliant	Yes
Product family code	LL121X [ CoreLine Trunking]
Unified glare rating CEN	Not applicable

## Light Technical

Light distribution	DIR [ Direct lighting]
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## Operating and Electrical

Input Voltage	220 to 240 V
Input frequency	50 to 60 Hz
Control signal voltage	0-16 V DC DALI
Circuit	No [-]
Circuit option	9 [ 9 conductors]
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	22 A
Inrush time	0.275 ms
Power factor (min.)	0.97

## Controls and Dimming

Dimmable	Yes
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## 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	1730 mm
Overall width	95 mm
Overall height	52 mm

Height	52 mm
Diameter	-
Colour	White
Dimensions (height x width x depth)	52 x 95 x 1730 mm (2 x 3.7 x 68.1 in)

## 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	8000 lm
Luminous flux tolerance	+/-1%
Initial LED luminaire efficacy	143 lm/W
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	≥80
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	56 W
Power consumption tolerance	+/-10%

## Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L80

## Application Conditions

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

## Product Data

Full product code	871869638191500
Order product name	LL121X LED80S/840 1x PSD NB 9 EL3 WH
EAN/UPC – product	8718696381915
Order code	38191500
Numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	910925864071
SAP net weight (piece)	4.520 kg



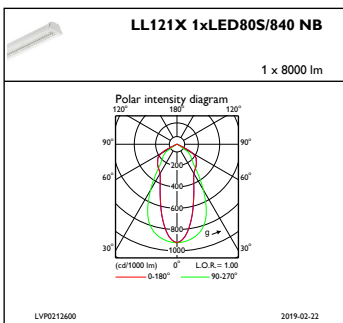
# CoreLine Trunking

## Dimensional drawing

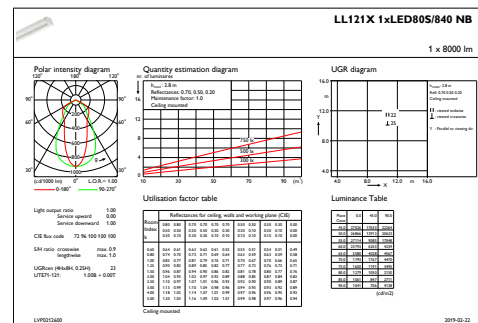
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CoreLine electr. units LL120X-LL122X

## Photometric data



IFPC1\_LL121X1xLED80S840NB



IFGU1\_LL121X1xLED80S840NB

