



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			
Lamp family code	LED90S [LED module, system flux 9000 lm]	Flammability mark	For mounting on normally flammable surfaces
Light source replaceable	No	ENEC mark	ENEC mark
Number of gear units	2 units	Glow-wire test	Temperature 650 °C, duration 5 s
Driver included	Yes	EU RoHS compliant	Yes
Feed-through wiring	Feed-through wiring 7-phase	Light Technical	
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.	Luminous Flux	9,000 lm
Product family code	LL120X [CoreLine Trunking]	Correlated Colour Temperature	4000 K
Lighting Technology	LED	Luminous efficacy (rated) (nom.)	141 lm/W
CE mark	Yes	Colour rendering index (CRI)	≥80
Warranty period	3 years + 2 years upon registration	Beam angle of light source	120 degree(s)
		Light source colour	840 neutral white
		Optic type	Narrow beam
		Optical cover type	-
		Luminaire light beam spread	20° x 68°
		Unified Glare Rating (CEN)	Not applicable

CoreLine Trunking

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	44 A
Inrush time	0.275 ms
Power Consumption	64 W
Power Factor (Fraction)	0.95
Connection	Connection unit 7-pole
Cable	-
Number of products on MCB of 16 A type B	12

Temperature

Ambient temperature range	-20 to +35 °C
---------------------------	---------------

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing material	Steel
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Acrylate
Fixation material	Steel
Housing Colour	White
Optical cover/lens finish	Clear
Overall length	3,450 mm
Overall width	95 mm
Overall height	52 mm
Dimensions (height x width x depth)	52 x 95 x 3450 mm

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-11%

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

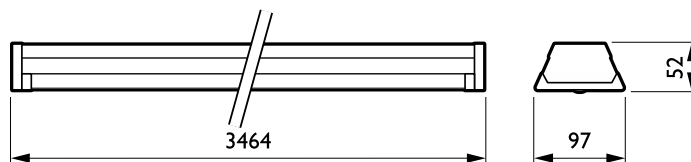
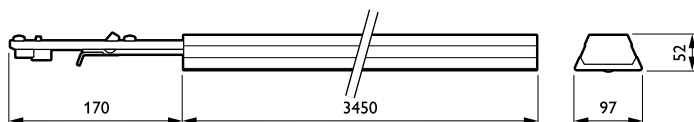
Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	No

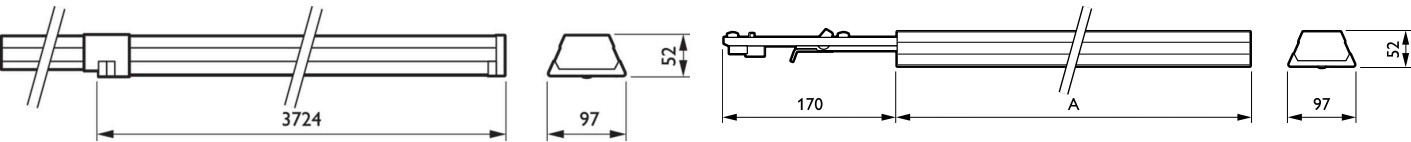
Product Data

Order product name	LL120X LED90S/840 2x PSD NB 7 VLC WH
Full product name	LL120X LED90S/840 2x PSD NB 7 VLC WH
Full EOC	871829188190200
Order code	88190200
Material no. (12 NC)	910925682933
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718291881902
Numerator – packs per outer box	1
EAN/UPC - Case	8718291881902

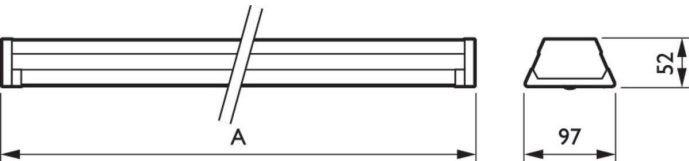
Dimensional drawing



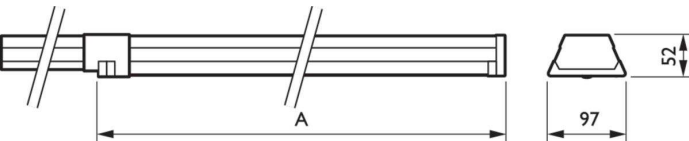
Dimensional drawing



Product	A
LL120X LED90S/840 2x PSD NB 7 VLC WH	3,450 mm



Product	A
LL120X LED90S/840 2x PSD NB 7 VLC WH	3,464 mm



Product	A
LL120X LED90S/840 2x PSD NB 7 VLC WH	3,724 mm

