PHILIPS

Lighting

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]
Light source replaceable	No
Number of gear units	2 units
Driver included	Yes
Feed-through wiring	Feed-through wiring 7-phase
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.
Service tag	Yes
Product family code	LL120X [CoreLine Trunking]
Lighting Technology	LED
CE mark	Yes
Warranty period	3 years + 2 years upon registration

Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes

Light Technical	
Luminous Flux	9,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	141 lm/W
Color rendering index (CRI)	≥80
Number of light sources	6
Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	Narrow beam
Optical cover type	-
Luminaire light beam spread	20° x 68°

CoreLine Trunking

Unified glare rating CEN	Not applicable

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 material	Acrylate
Fixation material	Steel
Housing Color	White
Optical cover 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 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L80

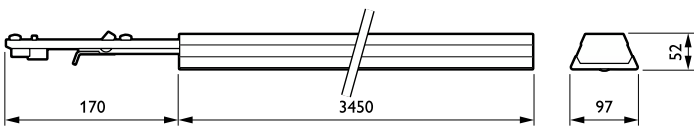
Application Conditions

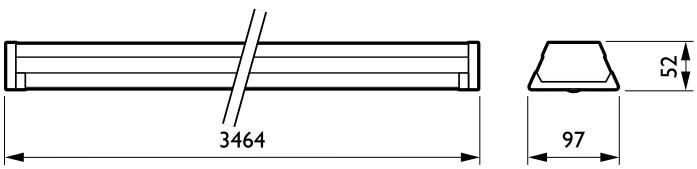
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	No

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 product code	871829188190200
Order code	88190200
Material Nr. (12NC)	910925682933
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291881902
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291881902

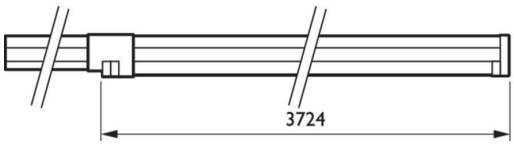
Dimensional drawing

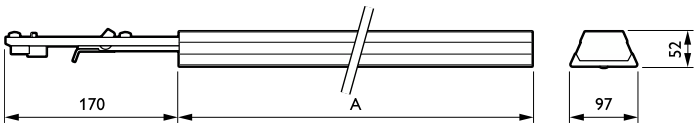




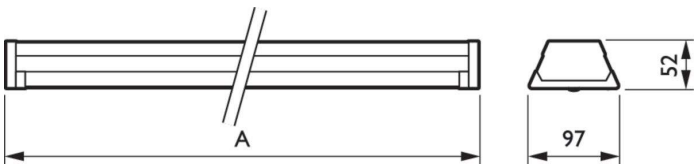
CoreLine Trunking

Dimensional drawing

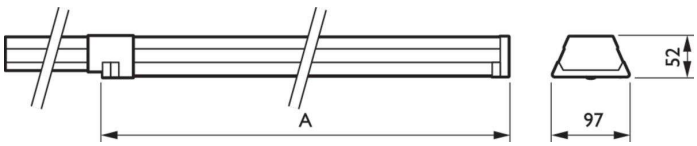




Product	A
LL120X LED90S/840 2x PSD NB 7 VLC WH	3,450 mm



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

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