



CoreLine Trunking

LL120X LED90S/840 PSD DA20 9 WH

CoreLine Trunking, LED module, system flux 9000 lm, Power supply unit with DALI interface, Double asymmetric optic 20°

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		Flammability mark	
Lamp family code	LED90S [LED module, system flux 9000 lm]		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 9-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		
		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	Double asymmetric optic 20°
		Optical cover type	-
		Luminaire light beam spread	86° x 80°

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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 9-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

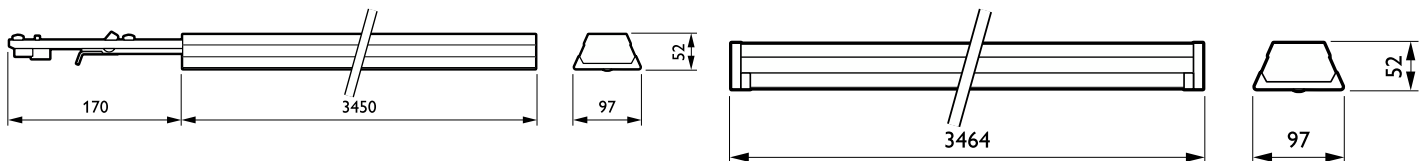
Application Conditions

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

Product Data

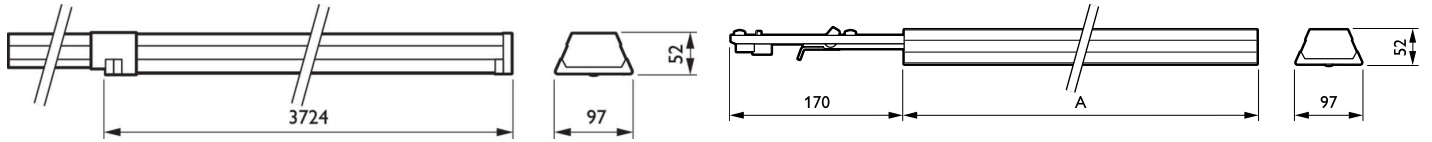
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Full product name	LL120X LED90S/840 PSD DA20 9 WH
Full product code	871829190743500
Order code	90743500
Material Nr. (12NC)	910925683018
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291907435
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291907435

Dimensional drawing

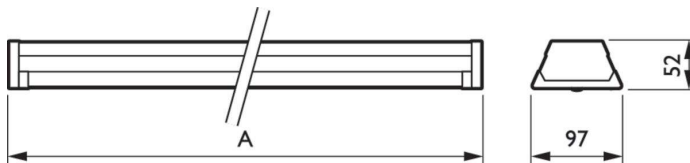


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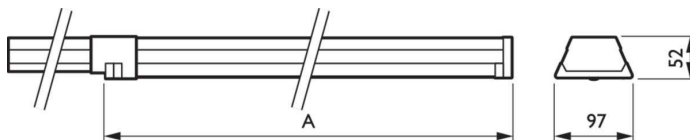
Dimensional drawing



Product	A
LL120X LED90S/840 PSD DA20 9 WH	3,450 mm



Product	A
LL120X LED90S/840 PSD DA20 9 WH	3,464 mm



Product	A
LL120X LED90S/840 PSD DA20 9 WH	3,724 mm

