PHILIPS

Lighting



CoreLine Trunking

LL120X LED90S/840 1x 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	
Lamp family code	LED90S [LED module, system flux 9000 lm]
Light source replaceable	No
Number of gear units	1 unit
Driver included	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.
Product family code	LL120X [CoreLine Trunking]
Lighting Technology	LED
Glow-wire test	Temperature 650 °C, duration 5 s
Flammability mark	For mounting on normally flammable surfaces

CE mark	Yes
ENEC mark	ENEC mark
Warranty period	3 years + 2 years upon registration
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	Double asymmetric optic 20°
Optical cover type	-
Luminaire light beam spread	86° x 80°
Unified glare rating CEN	Not applicable

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Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	4.8 A
Inrush time	2.3 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

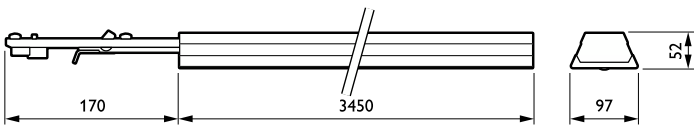
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-11%

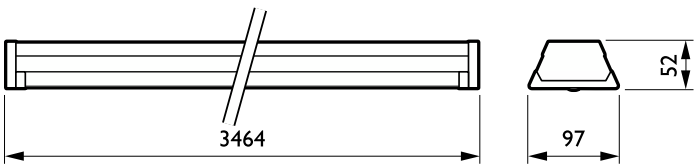
Over Time Performance (IEC Compliant)	
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L80

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

Product Data	
Order product name	LL120X LED90S/840 1x PSD DA20 9 WH
Full product name	LL120X LED90S/840 1x PSD DA20 9 WH
Full product code	871869632341000
Order code	910925863107
Material Nr. (12NC)	910925863107
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696323410
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696323410

Dimensional drawing





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Dimensional drawing



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