PHILIPS

Lighting



CoreLine Trunking

LL120X LED84S/840 2x PSD O 7 WH

CoreLine Trunking - LED Module, system flux 8400 lm - 840 neutral white - Power supply unit with DALI interface - Opal - 7 conductors - 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	
Number of light sources	6 pcs
Lamp family code	LED84S [LED Module, system flux 8400 lm]
Beam angle of light source	120 °
Light source color	840 neutral white
Light source replaceable	No
Number of gear units	2 units
Driver/power unit/transformer	Power supply unit with DALI interface
Driver included	Yes
Optic type	-
Optical cover/lens type	Opal
Luminaire light beam spread	117°
Emergency lighting	-
Control interface	DALI
Internal wiring	Standard
Feed-through wiring	Feed-through wiring 7-phase
Connection	Connection unit 7-pole

Cable	-
Protection class IEC	Safety class I
Mounting	Suspension set 1-wire
Standard RAL color	Traffic white
Ready-to-install	-
Glow-wire test	Temperature 850 °C, duration 5 s
Flammability mark	For mounting on normally flammable surfaces
Accessories included	Mounting bracket for suspension wire
CE mark	CE mark
ENEC mark	ENEC mark
Warranty period	3 years + 2 years upon registration
Mechanical accessories	-
Constant light output	No
Number of products on MCB of 16 A type B	12
RoHS mark	RoHS mark
Product family code	LL120X [CoreLine Trunking]

CoreLine Trunking

Light Technical	
Light Distribution	Direct lighting

Operating and Electrical	
Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Control signal voltage	0-16 V DC DALI
Circuit	-
Circuit option	7 conductors
Inrush current	44 A
Inrush time	0.275 ms
Power Factor (Min)	0.95

Controls and Dimming	
Dimmable	Yes

Mechanical and Housing	
Housing Material	Steel
Reflector material	-
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Optical cover/lens finish	Opal
Overall length	3450 mm
Overall width	95 mm
Overall height	52 mm
Height	52 mm
Diameter	-

Approval and Application	
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]

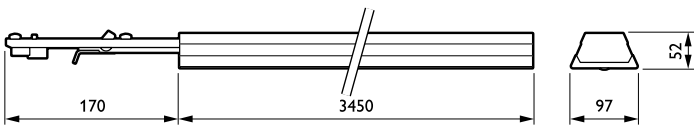
Initial Performance (IEC Compliant)	
Initial luminous flux (system flux)	8400 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	131 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	≥80
Initial chromaticy	(0.38, 0.38) SDCM <3
Initial input power	70 W
Power consumption tolerance	+/-11%

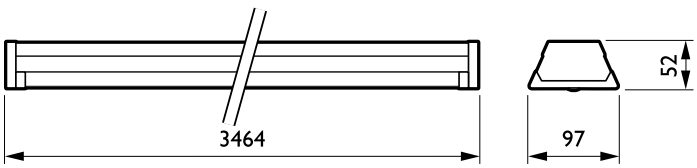
Over Time Performance (IEC Compliant)	
Driver failure rate at 5000 h	1 %
Median useful life L70B50	70000 h
Median useful life L80B50	50000 h
Median useful life L90B50	25000 h

Application Conditions	
Ambient temperature range	-20 to +35 °C
Average ambient temperature	25 °C
Maximum dim level	1%
Suitable for random switching	No

Product Data	
Full product code	871829190734300
Order product name	LL120X LED84S/840 2x PSD O 7 WH
EAN/UPC - Product	8718291907343
Order code	910925683008
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910925683008
Net Weight (Piece)	7.230 kg

Dimensional drawing



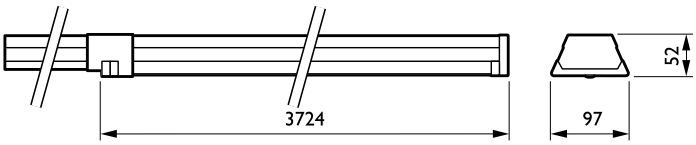


CoreLine electr. units LL120X-LL12X

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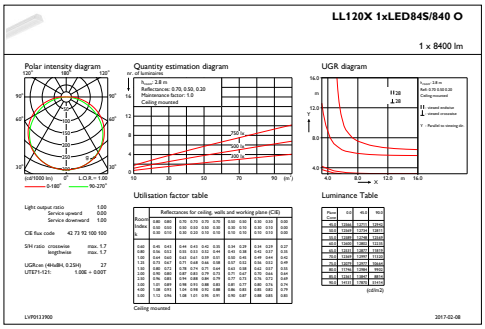
CoreLine Trunking

Dimensional drawing

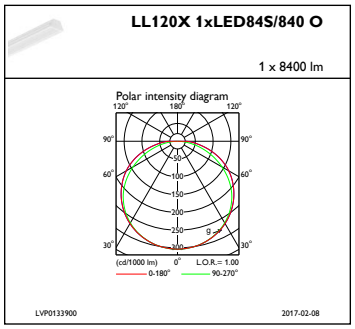


CoreLine electr. units LL120X-LL12X

Photometric data



IFGU1_LL120X1xLED84S840O



IFPC1_LL120X1xLED84S840O

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