



CoreLine Trunking

LL120X LED90S/840 2x PSD DA20 7 VLC 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			
Number of light sources	6 [6 pcs]	Protection class IEC	Safety class I (I)
Lamp family code	LED90S [LED module, system flux 9000 lm]	Mounting	SM1 [Suspension set 1-wire]
Beam angle of light source	120 °	Ready-to-install	-
Light source colour	840 neutral white	Glow-wire test	650/5 [Temperature 650 °C, duration 5 s]
Light source replaceable	No	Flammability mark	F [For mounting on normally flammable surfaces]
Number of gear units	2 units	Accessories included	MB-SW [Mounting bracket for suspension wire]
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]	CE mark	CE mark
Driver included	Yes	ENEC mark	ENEC mark
Optic type	DA20 [Double asymmetric optic 20°]	Mechanical accessories	No [-]
Optical cover/lens type	No [-]	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.
Luminaire light beam spread	86° x 80°		
Emergency lighting	No [-]		
Control interface	DALI		
Internal wiring	Standard		
Feed-through wiring	Feed-through wiring 7-phase		
Connection	CU7 [Connection unit 7-pole]		
Cable	-		

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Constant light output	No
Number of products on MCB (16 A type B)	12
EU RoHS compliant	Yes
Product family code	LL120X [CoreLine Trunking]
Unified glare rating CEN	Not applicable

Light Technical

Light distribution	DIR [Direct lighting]
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Operating and Electrical

Input Voltage	220 to 240 V
Input frequency	50 to 60 Hz
Control signal voltage	0-16 V DC DALI
Circuit	No [-]
Circuit option	7 [7 conductors]
Inrush current	44 A
Inrush time	0.275 ms
Power factor (min.)	0.95

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Housing material	Steel
Reflector material	-
Optic material	Acrylate
Optical cover/lens material	Acrylate
Fixation material	Steel
Optical cover/lens finish	Clear
Overall length	3450 mm
Overall width	95 mm
Overall height	52 mm
Height	52 mm
Diameter	-
Colour	White
Dimensions (height x width x depth)	52 x 95 x 3450 mm (2 x 3.7 x 135.8 in)

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	9000 lm
Luminous flux tolerance	+/-7%
Initial LED luminaire efficacy	141 lm/W
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	≥80
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	64 W
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

Ambient temperature range	-20 to +35 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	1%
Suitable for random switching	No

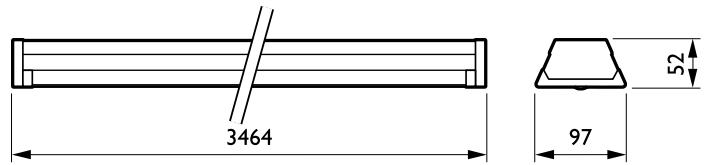
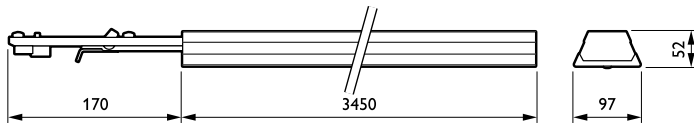
Product Data

Full product code	871829188204600
Order product name	LL120X LED90S/840 2x PSD DA20 7 VLC WH
EAN/UPC – product	8718291882046
Order code	88204600
Numerator – quantity per pack	1
Numerator – packs per outer box	1
SAP material	910925682947
SAP net weight (piece)	7.230 kg



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Dimensional drawing



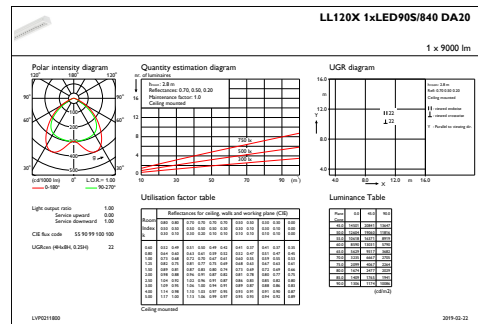
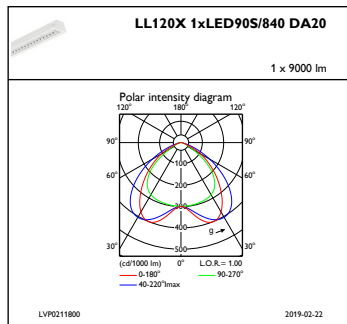
CoreLine electr. units LL120X-LL122X

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Photometric data



IFPC1_LL120X1xLED90S840DA20

IFGU1_LL120X1xLED90S840DA20

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