PHILIPS Lighting



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	
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

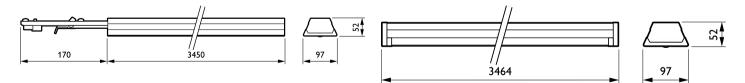
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	9,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	141 lm/W
Color rendering index (CRI)	≥80
Number of light sources	6
Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	Double asymmetric optic 20°
Optical cover type	-
Luminaire light beam spread	86° x 80°
Unified glare rating CEN	Not applicable

CoreLine Trunking

Operating and Electrical		A
Input Voltage	220 to 240 V	In
Line Frequency	50 to 60 Hz	м
Inrush current	44 A	P
Inrush time	0.275 ms	
Power Consumption	64 W	Ir
Power Factor (Fraction)	0.95	L
Connection	Connection unit 7-pole	In
Cable	-	P
Number of products on MCB of 16 A type	12	
В		0
		C
Temperature		lif
Ambient temperature range	-20 to +35 °C	L
		lii
Controls and Dimming		
Dimmable	Yes	Α
Driver/power unit/transformer	Power supply unit with DALI interface	P
Control interface	DALI	м
Constant light output	No	S
Mechanical and Housing		Р
Housing Material	Steel	0
Reflector material	-	F
Optic material	Acrylate	Fu
Optical cover material	Acrylate	0
Fixation material	Steel	м
Housing Color	White	N
Optical cover finish	Clear	E
Overall length	3,450 mm	N
Overall width	95 mm	E
Overall height	52 mm	
Dimensions (Height x Width x Depth)	52 x 95 x 3450 mm	

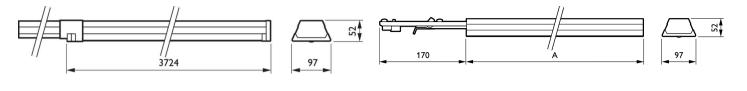
Approval and Application	
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class I
Initial Performance (IEC Compliant	t)
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-11%
Over Time Performance (IEC Comp	pliant)
Control gear failure rate at median usefu	ul 5 %
life 50000 h	
Lumen maintenance at median useful	L80
life* 50000 h	
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 DA20 7 VLC WH
Full product name	LL120X LED90S/840 2x PSD DA20 7 VLC WH
Full product code	871829188204600
Order code	88204600
Material Nr. (12NC)	910925682947
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291882046
Numerator - Packs per outer box	1
EAN/UPC - Case	8718291882046

Dimensional drawing



CoreLine Trunking

Dimensional drawing



Product

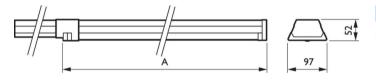
LL120X LED90S/840 2x PSD DA20 7 VLC WH

A 3,450 mm





Product	А
LL120X LED90S/840 2x PSD DA20 7 VLC WH	3,464 mm



Product	А
LL120X LED90S/840 2x PSD DA20 7 VLC WH	3,724 mm



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www.lighting.philips.com 2023, April 29 - data subject to change