PHILIPS Lighting



CoreLine Trunking

LL120X LED160S/840 2x PSU DA20 5 WH

CoreLine Trunking, 6, LED module, system flux 16000 lm, Power supply unit (On/Off), Double asymmetric optic 20°, Feed-through wiring 5-phase, 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	
Lamp family code	LED160S [LED module, system flux 16000 lm]
Light source replaceable	No
Number of gear units	2 units
Driver included	Yes
Feed-through wiring	Feed-through wiring 5-phase
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.
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	16,000 lm	
Correlated Colour Temperature	4000 K	
Luminous efficacy (rated) (nom.)	148 lm/W	
Colour rendering index (CRI)	≥80	
Number of light sources	6	
Beam angle of light source	120 degree(s)	
Light source colour	840 neutral white	
Optic type	Double asymmetric optic 20°	
Optical cover type	-	
Luminaire light beam spread	98° x 104°	

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Unified Glare Rating (CEN)	Not applicable	Dimensions (height x width x depth)
Operating and Electrical		Approval and Application
Input Voltage	220 to 240 V	Ingress protection code
Line Frequency	50 to 60 Hz	Mech. impact protection code
Initial CLO power consumption	- W	Protection class IEC
Average CLO power consumption	- W	
Inrush current	19 A	Initial Performance (IEC Complia
Inrush time	0.28 ms	Luminous flux tolerance
Power Consumption	108 W	Initial chromaticity
Power Factor (Fraction)	0.97	Power consumption tolerance
Connection	Connection unit 5-pole	
Cable	-	Over Time Performance (IEC Cor
Number of products on MCB of 16 A t	type 24	Control gear failure rate at median us
В		life 50,000 h
		Lumen maintenance at median useful
Temperature		life* 50,000 h
Ambient temperature range	–20 to +35 °C	
		Application Conditions
Controls and Dimming		Performance ambient temperature To
Dimmable	No	Maximum dim level
Driver/power unit/transformer	Power supply unit (On/Off)	Suitable for random switching
Control interface	-	
Constant light output	No	Product Data
		Order product name
Mechanical and Housing		Full product name
Housing material	Steel	Full EOC
Reflector material	-	Order code
Optic material	Acrylate	Material no. (12 NC)
Optical cover/lens material	Acrylate	SAP numerator – quantity per pack
Fixation material	Steel	EAN/UPC — Product/Case
Housing Colour	White	Numerator – packs per outer box
Optical cover/lens finish	Frosted	EAN/UPC - Case
Overall length	3,450 mm	
Overall width	95 mm	
Overall height	52 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	+/-2%	
Initial chromaticity	(0.38, 0.38) SDCM <3	
Power consumption tolerance	+/-10%	
Over Time Performance (IEC Compliant)		
Control gear failure rate at median usefu	ul 5 %	
life 50,000 h		
Lumen maintenance at median useful	L80	
life* 50,000 h		
Application Conditions		
Performance ambient temperature Tq	25 ℃	
Maximum dim level	Not applicable	
Suitable for random switching	No	
Product Data		
Order product name	LL120X LED160S/840 2x PSU DA20 5 WH	
Full product name	LL120X LED160S/840 2x PSU DA20 5 WH	
Full EOC	871869638093200	
Order code	38093200	
Material no. (12 NC)	910925863972	
SAP numerator - quantity per pack	1	
EAN/UPC — Product/Case	8718696380932	
Numerator – packs per outer box	1	
EAN/UPC - Case	8718696380932	

52 x 95 x 3450 mm

Dimensional drawing



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