



CoreLine trunking gen2.5

LL243X 160S/840 NE DIA WB BV WH

CoreLine trunking gen2.5, Basic (stand alone) version, 100 W, L3400 mm, 16000 lm, 4000 K, DALI, Interact Ready, Wide beam, Frosted, White, IP20

CoreLine Trunking gen2 is a light-line system that is designed for simplicity. It comes in a choice of lengths, flux packages and beam shapes to suit every project and application. Easy to use and integrate with spots and sensors, CoreLine Trunking gen2 provides consistent, high-quality lighting with added protection against accidental water ingress. The innovative system is also easy to assemble and install for faster retrofits and refurbishments

Product data

General Information	
Number of gear units	1 unit
Driver included	Yes
Value ladder	Performance
Serviceability class	Class C, luminaire without serviceable parts, not serviceable
Warranty period	5 years
Sustainability rating	Unclassified
Light Technical	
Luminous Flux	16,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	160 lm/W

Color rendering index (CRI)	>80
Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	Wide beam
Luminaire light beam spread	84° x 84°
Unified glare rating CEN	22
Sustainability Data	
Embedded carbon (A1-A3)	32.3 kg CO ₂ e
Recyclable content ratio of the finished product	55.7 %
Product non-virgin material ratio	14.6 %

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GWP total B6 (kg CO2eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh)
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GWP total B6 (kg CO2eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO2 eq / kwh)
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Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	17.5 A
Inrush time	21.5 ms
Power Consumption	100 W
Power Factor (Fraction)	0.99
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	24
Suitable for random switching	Not applicable
Protection class IEC	Safety class I
Total harmonic distortion	20 %

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Dali dimming Interact System ready
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™
Maximum dim level	1%
Connectivity	Interact Ready

Mechanical and Housing

Housing Material	Steel
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	White
Optical cover finish	Frosted
Overall length	3,400 mm
Overall width	80 mm
Overall height	50 mm

Dimensions (Height x Width x Depth)	50 x 80 x 3400 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Net Weight (Piece)	4.780 kg

Approval and Application

Glow-wire test	Temperature 850 °C, duration 30 s
Flammability mark	-
CE mark	Yes
ENEC mark	ENEC plus mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	-20 to +35 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

Over Time Performance (IEC Compliant)

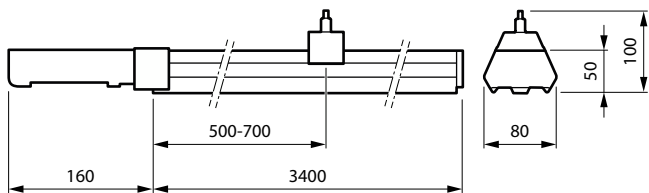
Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L85
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L75

Product Data

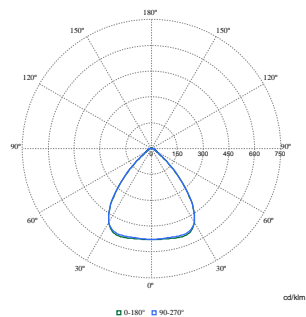
Order product name	LL243X 160S/840 NE DIA WB BV WH
Full product name	LL243X 160S/840 NE DIA WB BV WH
Full product code	872016947479600
Order code	910925870153
Material Nr. (12NC)	910925870153
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169474796
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169474796
Product family code	LL243X [Coreline trunking Gen2.5]

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Dimensional drawing



Photometric data



Polar Normal (separate) - LL240XI - 910925870153

