



# CoreLine trunking gen2.5

## LL243X 90S/840 UE DIA WB 7x1.5 WH

CoreLine trunking gen2.5, UltraEfficient, 45.5 W, L3400 mm, 9000 lm, 4000 K, DALI, Interact Ready, Wide beam, Frosted, White, IP20

UltraEfficient, L3400 mm, Steel, White, Traffic white (RAL9016), Dali dimming Interact System ready, 9000 lm, 45.5 W, 198 lm/W, 4000 K, (0.38, 0.38) SDCM <3, UGR19, Wide beam, Frosted, Polycarbonate, IP20 | Finger-protected, IK02 | 0.2 J standard, Safety class I, Connection unit 7-pole

### Product data

General Information		Unified glare rating CEN	
Number of gear units	1 unit	Unified glare rating CEN	19
Driver included	Yes	Operating and Electrical	
Value ladder	Performance	Input Voltage	220 to 240 V
Warranty period	5 years	Line Frequency	50 to 60 Hz
Light Technical		Initial CLO power consumption	- W
Luminous Flux	9,000 lm	Average CLO power consumption	- W
Correlated Color Temperature (Nom)	4000 K	Inrush current	20.9 A
Luminous Efficacy (rated) (Nom)	198 lm/W	Inrush time	192 ms
Color rendering index (CRI)	>80	Power Consumption	45.5 W
Beam angle of light source	120 degree(s)	Power Factor (Fraction)	0.99
Light source color	840 neutral white	Connection	Connection unit 7-pole
Optic type	Wide beam	Cable	-
Luminaire light beam spread	84° x 84°	Number of products on MCB of 16 A type B	29
		Suitable for random switching	Not applicable

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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™ with extended data: Parts 251/252/253
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)	5.370 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

## Sustainability Data

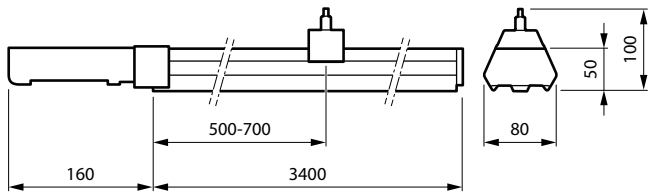
Sustainability rating	Unclassified
Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	32.3 kg CO <sub>2</sub> e
Product non-virgin material ratio	14.6 %
Recyclable content ratio of the finished product	55.7 %
GWP total B6 (kg CO <sub>2</sub> eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO <sub>2</sub> eq / kwh)
GWP total B6 (kg CO <sub>2</sub> eq) 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 CO <sub>2</sub> eq / kwh)

## Product Data

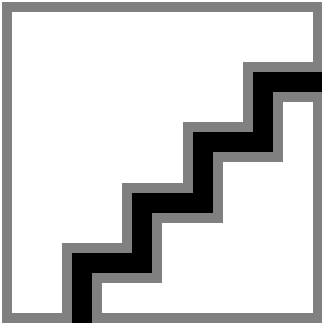
Order product name	LL243X 90S/840 UE DIA WB 7x1.5 WH
Full product name	LL243X 90S/840 UE DIA WB 7x1.5 WH
Full product code	872016947458100
Order code	47458100
Material Nr. (12NC)	910925870132
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169474581
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169474581
Product family code	LL243X [Coreline trunking Gen2.5]

## CoreLine trunking gen2.5

### Dimensional drawing



### Photometric data



Polar Normal (separate) - LL240XI - 910925870132

