



# CoreLine Trunking

## LL120X LED160S/840 2x PSD WB 9 VLC WH

CoreLine Trunking - 6 pcs - LED module, system flux 16000 lm - Power supply unit with DALI interface - Wide beam - - - 9 conductors - - - Feed-through wiring 9-phase - Ceiling-mounting bracket - 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           |  | Connection             |  |
|-------------------------------|--|------------------------|--|
| Number of light sources       | 6 [ 6 pcs]                                   | Connection             | CU9 [ Connection unit 9-pole]  |
| Lamp family code              | LED160S [ LED module, system flux 16000 lm]  | Cable                  | -  |
| Beam angle of light source    | 120 °  | Protection class IEC   | Safety class I (I)   |
| Light source colour           | 840 neutral white                            | Mounting               | SMB [ Ceiling-mounting bracket]  |
| Light source replaceable      | No   | Ready-to-install       | -  |
| Number of gear units          | 2 units                                      | Glow-wire test         | 650/5 [ Temperature 650 °C, duration 5 s]  |
| Driver/power unit/transformer | PSD [ Power supply unit with DALI interface] | Flammability mark      | F [ For mounting on normally flammable surfaces]   |
| Driver included               | Yes  | Accessories included   | MB-SW [ Mounting bracket for suspension wire]  |
| Optic type                    | WB [ Wide beam]                              | CE mark                | CE mark  |
| Optical cover/lens type       | No [ -]                                      | ENEC mark              | ENEC mark  |
| Luminaire light beam spread   | 100° x 94°                                   | Mechanical accessories | No [ -]  |
| Emergency lighting            | No [ -]                                      | Remarks                | *-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is |
| Control interface             | DALI   |                        |  |
| Internal wiring               | Standard                                     |                        |  |
| Feed-through wiring           | Feed-through wiring 9-phase                  |                        |  |

# CoreLine Trunking

|                           |  |
|---------------------------|--|
|                           | no relevant difference in lumen maintenance between B50 and for example B10. Therefore the median useful life (B50) value also represents the B10 value. |
| Constant light output     | No   |
| Number of products on MCB | 24   |
| Product Family Code       | LL120X [ CoreLine Trunking]  |
| Unified glare rating CEN  | Not applicable   |

## Light Technical

|                    |                        |
|--------------------|------------------------|
| Light distribution | DIR [ Direct lighting] |
|--------------------|------------------------|

## 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                | 9 [ 9 conductors] |
| Initial CLO power consumption | - W               |
| Average CLO power consumption | - W               |
| Inrush current                | 22 A              |
| Inrush time                   | 0.275 ms          |
| Power factor (min.)           | 0.97              |

## Controls and Dimming

|          |     |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

## Mechanical and Housing

|                             |          |
|-----------------------------|----------|
| Housing material            | Steel    |
| Reflector material          | -        |
| Optic material              | Acrylate |
| Optical cover/lens material | Acrylate |
| Fixation material           | Steel    |
| Optical cover/lens finish   | Frosted  |
| 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          | 16000 lm             |
| Luminous flux tolerance        | +/-2%                |
| Initial LED luminaire efficacy | 148 lm/W             |
| Init. Corr. colour temperature | 4000 K               |
| Init. colour rendering index   | ≥80                  |
| Initial chromaticity           | (0.38, 0.38) SDCM <3 |
| Initial input power            | 108 W                |
| Power consumption tolerance    | +/-10%               |

## Over Time Performance (IEC Compliant)

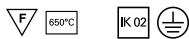
|  |     |
|--|-----|
| Control gear failure rate at median useful life 50,000 h | 5 % |
| Lumen maintenance at median useful life* 50,000 h        | L80 |

## Application Conditions

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

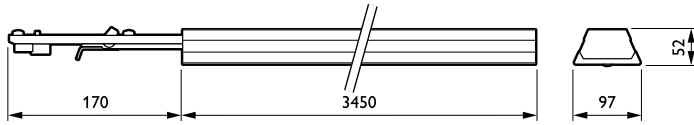
## Product Data

|                                 |                                       |
|---------------------------------|---------------------------------------|
| Full product code               | 871869638099400                       |
| Order product name              | LL120X LED160S/840 2x PSD WB 9 VLC WH |
| EAN/UPC – product               | 8718696380994                         |
| Order code                      | 38099400                              |
| Numerator – quantity per pack   | 1                                     |
| Numerator – packs per outer box | 1                                     |
| Material no. (12NC)             | 910925863978                          |
| Net weight (piece)              | 7.380 kg                              |



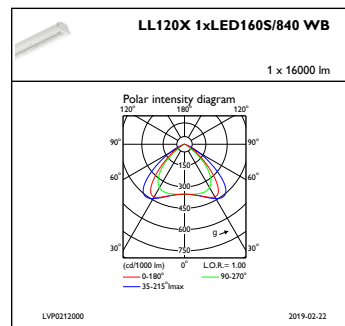
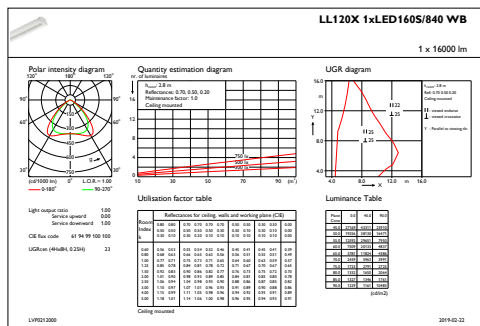
# CoreLine Trunking

## Dimensional drawing



### CoreLine electr. units LL120X-LL122X

## Photometric data



### IFGU1\_LL120X1xLED160S840WB

### IFPC1\_LL120X1xLED160S840WB

