



CoreLine Trunking

LL120X LED90S/840 2x PSD WB 9 VLC WH

CoreLine Trunking - LED module, system flux 9000 lm - Power supply unit with DALI interface - Wide beam

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 | | Protection class IEC | Safety class I |
|-------------------------------|---|------------------------|---|
| Number of light sources | 6 pcs | Mounting | Ceiling-mounting bracket |
| Lamp family code | LED90S [LED module, system flux 9000 lm] | Ready-to-install | - |
| Beam angle of light source | 120 ° | Glow-wire test | Temperature 650 °C, duration 5 s |
| Light source color | 840 neutral white | Flammability mark | For mounting on normally flammable surfaces |
| Light source replaceable | No | Accessories included | Mounting bracket for suspension wire |
| Number of gear units | 2 units | CE mark | CE mark |
| Driver/power unit/transformer | Power supply unit with DALI interface | ENEC mark | ENEC mark |
| Driver included | Yes | Warranty period | 3 years + 2 years upon registration |
| Optic type | Wide beam | Mechanical accessories | - |
| Optical cover/lens type | - | 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. |
| Luminaire light beam spread | 88° x 94° | | |
| Emergency lighting | - | | |
| Control interface | DALI | | |
| Internal wiring | Standard | | |
| Feed-through wiring | Feed-through wiring 9-phase | | |
| Connection | Connection unit 9-pole | | |
| Cable | - | | |

CoreLine Trunking

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|--|-----------------------------|
| Constant light output | No |
| Number of products on MCB of 16 A type B | 12 |
| RoHS mark | RoHS mark |
| Product family code | LL120X [CoreLine Trunking] |
| Unified glare rating CEN | Not applicable |

Light Technical

| | |
|--------------------|-----------------|
| Light Distribution | Direct lighting |
|--------------------|-----------------|

Operating and Electrical

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|------------------------|----------------|
| Input Voltage | 220 to 240 V |
| Input Frequency | 50 to 60 Hz |
| Control signal voltage | 0-16 V DC DALI |
| Circuit | - |
| Circuit option | 9 conductors |
| Inrush current | 44 A |
| Inrush time | 0.275 ms |
| Power Factor (Min) | 0.95 |

Controls and Dimming

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|----------|-----|
| 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 | Clear |
| Overall length | 3450 mm |
| Overall width | 95 mm |
| Overall height | 52 mm |
| Height | 52 mm |
| Diameter | - |
| Color | White |

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 (system flux) | 9000 lm |
| Luminous flux tolerance | +/-7% |
| Initial LED luminaire efficacy | 141 lm/W |
| Init. Corr. Color Temperature | 4000 K |
| Init. Color Rendering Index | ≥80 |
| Initial chromaticity | (0.38, 0.38) SDCM <3 |
| Initial input power | 64 W |
| Power consumption tolerance | +/-11% |

Over Time Performance (IEC Compliant)

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|---|-----|
| Control gear failure rate at median useful life 50000 h | 5 % |
| Lumen maintenance at median useful life* 50000 h | L80 |

Application Conditions

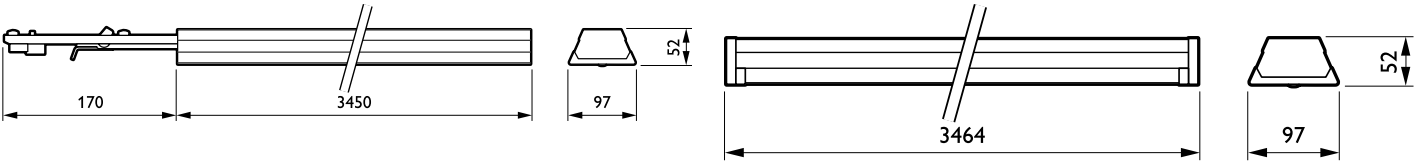
| | |
|------------------------------------|---------------|
| Ambient temperature range | -20 to +35 °C |
| Performance ambient temperature Tq | 25 °C |
| Maximum dim level | 1% |
| Suitable for random switching | No |

Product Data

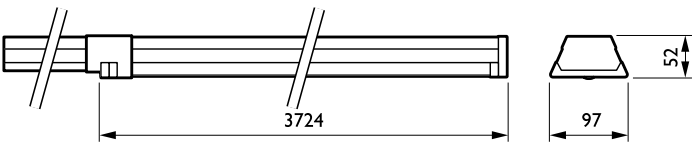
| | |
|---------------------------------|--------------------------------------|
| Full product code | 871829190746600 |
| Order product name | LL120X LED90S/840 2x PSD WB 9 VLC WH |
| EAN/UPC - Product | 8718291907466 |
| Order code | 910925683021 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 1 |
| Material Nr. (12NC) | 910925683021 |
| Net Weight (Piece) | 7.300 kg |

CoreLine Trunking

Dimensional drawing



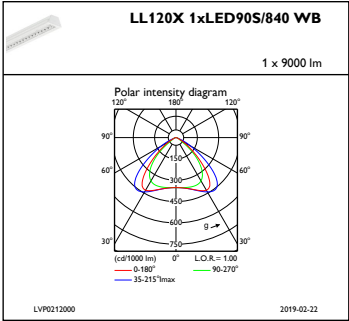
CoreLine electr. units LL120X-LL122X



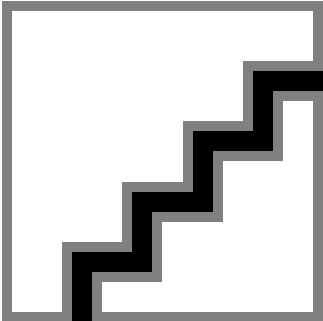
CoreLine electr. units LL120X-LL122X

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Photometric data



IFPC1_LL120X1xLED90S840WB



IFGU1_LL120X1xLED90S840WB

