# CoreLine Trunking

## LL121X LED80S/840 1x PSU NB 5 WH

CoreLine Trunking, 3, LED Module, system flux 8000 lm, Power supply unit (On/Off), Narrow beam, 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** | LED80S [LED Module, system flux 8000 lm] |
| **Light source replaceable** | No |
| **Number of gear units** | 1 unit |
| **Driver included** | Yes |
| **Feed-through wiring** | Feed-through wiring 5-phase |
| **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. |
| **Service tag** | Yes |
| **Product family code** | LL121X [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** | 8,000 lm |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Luminous Efficacy (rated) (Nom)** | 148 lm/W |
| **Color rendering index (CRI)** | ≥80 |
| **Number of light sources** | 3 |
| **Beam angle of light source** | 120 degree(s) |
| **Light source color** | 840 neutral white |
| **Optic type** | Narrow beam |
| **Optical cover type** | - |

# CoreLine Trunking

| | |
|---|---|
| **Luminaire light beam spread** | 48° x 66° |
| **Unified glare rating CEN** | Not applicable |

## 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** | 19 A |
| **Inrush time** | 0.28 ms |
| **Power Consumption** | 54 W |
| **Power Factor (Fraction)** | 0.97 |
| **Connection** | Connection unit 5-pole |
| **Cable** | - |
| **Number of products on MCB of 16 A type B** | 24 |

## Temperature

| | |
|---|---|
| **Ambient temperature range** | -20 to +35 °C |

## Controls and Dimming

| | |
|---|---|
| **Dimmable** | No |
| **Driver/power unit/transformer** | Power supply unit (On/Off) |
| **Control interface** | - |
| **Constant light output** | No |

## Mechanical and Housing

| | |
|---|---|
| **Housing Material** | Steel |
| **Reflector material** | - |
| **Optic material** | Acrylate |
| **Optical cover material** | Acrylate |
| **Fixation material** | Steel |
| **Housing Color** | White |
| **Optical cover finish** | Clear |
| **Overall length** | 1,730 mm |
| **Overall width** | 95 mm |
| **Overall height** | 52 mm |
| **Dimensions (Height x Width x Depth)** | 52 x 95 x 1730 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** | +/-1% |
| **Initial chromaticity** | (0.38, 0.38) SDCM <3 |
| **Power consumption tolerance** | +/-10% |

## Over Time Performance (IEC Compliant)

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

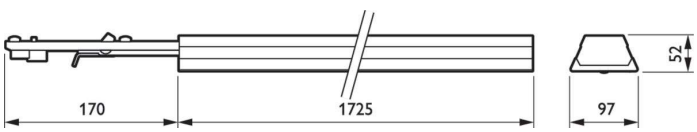
## Application Conditions

| | |
|---|---|
| **Performance ambient temperature Tq** | 25 °C |
| **Maximum dim level** | Not applicable |
| **Suitable for random switching** | No |

## Product Data

| | |
|---|---|
| **Order product name** | LL121X LED80S/840 1x PSU NB 5 WH |
| **Full product name** | LL121X LED80S/840 1x PSU NB 5 WH |
| **Full product code** | 871869638127400 |
| **Order code** | 38127400 |
| **Material Nr. (12NC)** | 910925864007 |
| **Numerator - Quantity Per Pack** | 1 |
| **EAN/UPC - Product/Case** | 8718696381274 |
| **Numerator - Packs per outer box** | 1 |
| **EAN/UPC - Case** | 8718696381274 |

## Dimensional drawing



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.

www.lighting.philips.com
2023, April 29 - data subject to change