# **PHILIPS** Lighting



# **CoreLine recessed**

# RC120B LED37S/840 PSU W30L120

Coreline Recessed, LED Module, system flux 3700 lm, 840 neutral white, Power supply unit (On/Off)

Whether for a new building or renovation of an existing space, customers want lighting solutions that provide quality of light and substantial energy and maintenance savings. The new CoreLine Recessed range of LED products can be used to replace functional luminaires in general lighting applications. The process of selecting, installing and maintaining is so easy – it's a simple switch.

#### Warnings and Safety

- The product is IPXO & as such is not protected against water ingress & as such we strongly recommend that The environment in which The luminaire is to be installed is suitably checked
- If the above advice is not taken and the luminaires are subject to water ingress, Philips / Signify cannot guarantee safe failure & product warranty will become void

#### **Product data**

| General Information      |   |                     | B10. Therefore, the median useful life (B50) |
|--------------------------|---|---------------------|--|
| Lamp family code         | LED37S [LED Module, system flux 3700 lm]        |                     | value also represents the B10 value.         |
| Cap-Base                 | - [-]   | Product family code | RC120B [Coreline Recessed]                   |
| Light source replaceable | No  | Lighting Technology | LED  |
| Number of gear units     | 1 unit  | Value ladder        | Performance                                  |
| Gear                     | EB [Electronic]                                 | CE mark             | Yes  |
| Driver included          | Yes   | Warranty period     | 3 years + 2 years upon registration          |
| Remarks                  | *-Per Lighting Europe guidance paper            | Flammability mark   | For mounting on normally flammable           |
|                          | "Evaluating performance of LED based            |                     | surfaces                                     |
|                          | luminaires - January 2018": statistically there | ENEC mark           | ENEC mark                                    |
|                          | is no relevant difference in lumen              | Glow-wire test      | Temperature 850 °C, duration 30 s            |
|                          | maintenance between B50 and for example         | EU RoHS compliant   | Yes  |
|                          |   |                     |  |

### **CoreLine recessed**

**Operating and Electrical** 

Input Voltage Line Frequency

Inrush current

**Power Consumption** 

Power Factor (Fraction)

Number of products on MCB of 16 A type 24

Inrush time

Connection

Temperature

Dimmable

Ambient temperature range

**Controls and Dimming** 

Constant light output

Housing Material

Reflector material

Fixation material Housing Color

Optical cover material

Optic material

Driver/power unit/transformer

Mechanical and Housing

Cable

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| Light Technical                    |                                |
|------------------------------------|--------------------------------|
| Luminous Flux                      | 3,700 lm                       |
| Correlated Color Temperature (Nom) | 4000 K                         |
| Luminous Efficacy (rated) (Nom)    | 93 lm/W                        |
| Color rendering index (CRI)        | ≥80                            |
| Number of light sources            | 2                              |
| Light source color                 | 840 neutral white              |
| Optic type                         | Wide beam                      |
| Optical cover type                 | Polycarbonate linear satinized |
| Luminaire light beam spread        | 86°                            |
| Unified glare rating CEN           | Not applicable                 |
|                                    |                                |

220 to 240 V

50 to 60 Hz

+10 to +40 °C

Power supply unit (On/Off)

No

No

Steel

Steel

White

Polycarbonate

Polycarbonate

Push-in connector and pull relief

8 A

0.9

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0.06 ms 34.2 W

| Optical cover finish                | Textured           |
|-------------------------------------|--------------------|
| Overall length                      | 1,197 mm           |
| Overall width                       | 297 mm             |
| Overall height                      | 32 mm              |
| Dimensions (Height x Width x Depth) | 32 x 297 x 1197 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 Compl | liant)               |
|--------------------------------|----------------------|
| Luminous flux tolerance        | +/-10%               |
| Initial chromaticity           | (0.38, 0.38) SDCM <3 |
| Power consumption tolerance    | +/-10%               |

| Over Time Performance        | (IEC Compliant) |
|------------------------------|-----------------|
| <b>Over Time Performance</b> | (IEC Compliant) |

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

#### **Application Conditions**

EAN/UPC - Case

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| Performance ambient temperature Tq | 25 ℃ |
|------------------------------------|------|
| Suitable for random switching      | Yes  |
|                                    |      |

| Product Data                    |                               |
|---------------------------------|-------------------------------|
| Order product name              | RC120B LED37S/840 PSU W30L120 |
| Full product name               | RC120B LED37S/840 PSU W30L120 |
| Full product code               | 871794389757500               |
| Order code                      | 89757500                      |
| Material Nr. (12NC)             | 910503695318                  |
| Numerator - Quantity Per Pack   | 1                             |
| EAN/UPC - Product/Case          | 8719514183391                 |
| Numerator - Packs per outer box | 1                             |

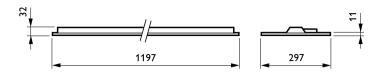
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| Datasheet, 2023, August 3 |  |
|---------------------------|--|

data subject to change

## **CoreLine recessed**

#### Dimensional drawing





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