



# TrueLine, surface-mounted

## SM530C LED31S/840 PSD PI5 L1410 ALU

TrueLine OC - LED Module, system flux 3100 lm - 840 neutral white - Power supply unit with DALI interface - Push-in connector 5-pole (PI) - 1410 mm - Aluminium

Architects need a lighting solution that matches the interior architecture of the property they are working on. They want a light line with an elegant design and very high light levels. Specifiers need luminaires that enable them to save energy while at the same time providing the right level of light, in compliance with office lighting norms. And office workers want visually comfortable lighting conditions that help them perform better. TrueLine Recessed is able to meet all of these different requirements. TrueLine is also available in recessed and suspended versions.

### Product data

| General information           |  |                             |  |
|-------------------------------|--|-----------------------------|--|
| Number of light sources       | 1 [ 1 pc]                                    | Optical cover/lens type     | PM [ PMMA bowl/cover]                            |
| Lamp family code              | LED31S [ LED Module, system flux 3100 lm]    | Luminaire light beam spread | 100°   |
| Beam angle of light source    | - °  | Embedded control            | No [ -]  |
| Lamp colour code              | 840 neutral white                            | Control interface           | DALI   |
| Cap base                      | - [ -]                                       | Connection                  | Push-in connector 5-pole (PI)                    |
| Light source replaceable      | No   | Cable                       | -  |
| Number of gear units          | 1 unit                                       | Protection class IEC        | Safety class I (I)                               |
| Gear                          | -  | Standard RAL colour         | -  |
| Driver/power unit/transformer | PSD [ Power supply unit with DALI interface] | Glow-wire test              | 650/5 [ Temperature 650 °C, duration 5 s]        |
| Driver included               | Yes  | Flammability mark           | F [ For mounting on normally flammable surfaces] |
| Optic type                    | No [ -]                                      | Type description            | OC [ Office compliant version]                   |

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|                           |   |
|---------------------------|---|
| CE mark                   | CE mark   |
| ENEC mark                 | ENEC plus mark  |
| UL mark                   | No  |
| Warranty period           | 5 years   |
| Remarks                   | *-Per Lighting Europe guidance paper<br>"Evaluating performance of LED based<br>luminaires – January 2018": statistically there<br>is no relevant difference in lumen<br>maintenance between B50 and for example<br>B10. Therefore the median useful life (B50)<br>value also represents the B10 value. |
| Constant light output     | No  |
| Number of products on MCB | 24  |
| RoHS mark                 | RoHS mark   |
| Accessory PFC             | N/A   |
| Product Family Code       | SM530C [ TrueLine OC]   |
| Unified glare rating CEN  | 19  |

### Operating and Electrical

|                        |                |
|------------------------|----------------|
| Input voltage          | 220 to 240 V   |
| Input frequency        | 50 to 60 Hz    |
| Control signal voltage | 0-16 V DC DALI |
| Inrush current         | 19 A           |
| Inrush time            | 0.28 ms        |
| Power factor (min.)    | 0.9            |

### Controls and Dimming

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

### Mechanical and Housing

|                             |                         |
|-----------------------------|-------------------------|
| Geometry                    | -                       |
| Housing material            | Aluminium               |
| Reflector material          | -                       |
| Optic material              | -                       |
| Optical cover/lens material | Polymethyl methacrylate |
| Gear tray material          | Steel                   |
| Fixation material           | Steel                   |
| Optical cover/lens finish   | Frosted                 |
| Overall length              | 1409 mm                 |
| Overall width               | 55 mm                   |
| Overall height              | 93 mm                   |

|        |           |
|--------|-----------|
| Length | 1410 mm   |
| Colour | Aluminium |

### Approval and Application

|                              |                        |
|------------------------------|------------------------|
| Ingress protection code      | IP40 [ Wire-protected] |
| Mech. impact protection code | IK02 [ 0.2 J standard] |

### Initial Performance (IEC Compliant)

|                                |                      |
|--------------------------------|----------------------|
| Initial luminous flux          | 3100 lm              |
| Luminous flux tolerance        | +/-10%               |
| Initial LED luminaire efficacy | 144 lm/W             |
| Lamp colour temperature        | 4000 K               |
| Colour Rendering Index         | ≥80                  |
| Initial chromaticity           | (0.38, 0.38) SDCM <3 |
| Initial input power            | 21.5 W               |
| Power consumption tolerance    | +/-10%               |

### Over Time Performance (IEC Compliant)

|  |     |
|--|-----|
| Control gear failure rate at median<br>useful life 50000 h | 5 % |
| Lumen maintenance at median useful<br>life* 50000 h        | L85 |

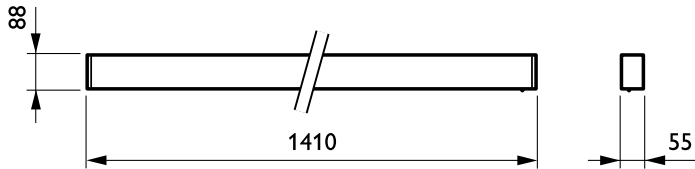
### Application Conditions

|                                    |               |
|------------------------------------|---------------|
| Ambient temperature range          | +10 to +40 °C |
| Performance ambient temperature Tq | 25 °C         |
| Maximum dimming level              | 1%            |
| Suitable for random switching      | No            |

### Product Data

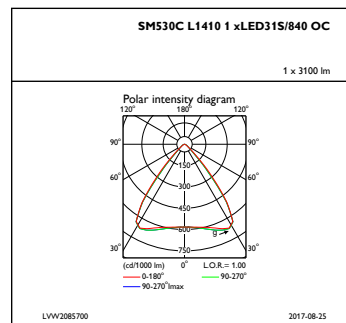
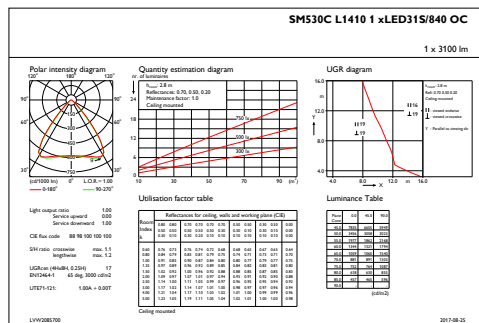
|                                 |                                     |
|---------------------------------|-------------------------------------|
| Full product code               | 871869906367200                     |
| Order product name              | SM530C LED31S/840 PSD PI5 L1410 ALU |
| EAN/UPC – product               | 8718699063672                       |
| Order code                      | 910504107603                        |
| Numerator – quantity per pack   | 1                                   |
| Numerator – packs per outer box | 1                                   |
| Material no. (12NC)             | 910504107603                        |
| Net weight (piece)              | 4.000 kg                            |

## Dimensional drawing



## TrueLine surface-mounted SM530C-SM534C

### Photometric data



## IFGU1\_SM530CL14101xLED31S840OC

## IFPC1\_SM530CL14101xLED31S840OC

