

# Syl-Lighter LED II 165 RO 12W WW

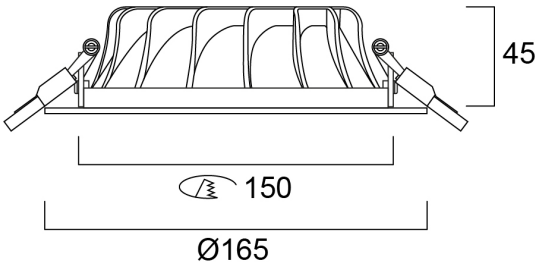
Item No: 3031800



Ceiling recessed IP44 from the front LED downlight, perfect where limited ceiling void is available with only 45mm product depth and 145mm cutout. Ideal replacement for 1x26W CFL downlights. The polycarbonate diffuser allows for a wider light distribution and increased spacings between luminaires. Loop in loop out connector allows for quick installation. Die-cast aluminium body, 1047LM, 12W, 87lm/W, 3000K, Driver Current: 290mA, CRI80, 74° beam angle, Non-dimmable LED driver, IP44 from the front, IK07, (HxW) 45x165mm, 0.38kg, RAL9003, Class 2, 220-240V,

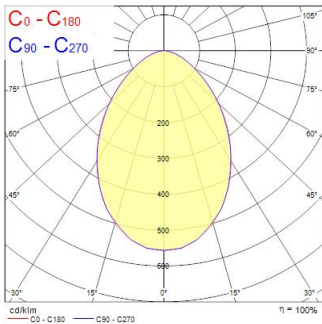
## Technical Assets

### Dimensions (mm)



### Photometrics

| Distance [m] | Cone diameter [m] | Beam angle [°] | Beam diameter [m] | Illuminance [lx] |
|--------------|-------------------|----------------|-------------------|------------------|
| 0.5          | 0.81<br>0.83      | 74°<br>75°     | 0.81<br>0.83      | 2333<br>547      |
| 1.0          | 1.63<br>1.66      | 74°<br>75°     | 1.63<br>1.66      | 582<br>137       |
| 1.5          | 2.44<br>2.49      | 74°<br>75°     | 2.44<br>2.49      | 259<br>81        |
| 2.0          | 3.25<br>3.32      | 74°<br>75°     | 3.25<br>3.32      | 146<br>58        |
| 2.5          | 4.06<br>4.15      | 74°<br>75°     | 4.06<br>4.15      | 93<br>51         |
| 3.0          | 4.88<br>4.96      | 74°<br>75°     | 4.88<br>4.96      | 65<br>45         |



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## General data

|                                         |                                  |
|-----------------------------------------|----------------------------------|
| Product name                            | Syl-Lighter LED II 165 RO 12W WW |
| Technology                              | LED                              |
| Housing                                 | Aluminium                        |
| Mount                                   | Ceiling recessed mounting        |
| Environment                             | Interior                         |
| General application                     | Hospitality                      |
| Operating temperature range (°C)        | -10°C...+25°C                    |
| Performance ambient temperature Tq (°C) | 25                               |
| ETIM Class                              | EC001744                         |
| E-number FI                             | 4271237                          |
| E-number SE                             | 7467089                          |
| Warranty                                | 5 years                          |

## Optical data

|                                   |            |
|-----------------------------------|------------|
| Fixture luminous flux (lm)        | 1047       |
| Luminaire efficacy (lm/W)         | 87         |
| LOR (%)                           | 100        |
| Correlated colour temperature (k) | 3000       |
| Light colour                      | Warm White |
| CRI (Ra)                          | 80         |
| Colour Variation Initial (SDCM)   | SDCM5      |
| Adjustable chromaticity           | N          |
| Beam Angle (°)                    | 74         |
| Distribution type                 | Symmetric  |
| Glare control                     | < 24       |
| Photobiological Risk Group        | RG0        |

## Electrical data

|                                                                  |                             |
|------------------------------------------------------------------|-----------------------------|
| Total power consumption (W)                                      | 12                          |
| Lamp power factor                                                | 0.9                         |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x % | 20                          |
| Electrical protection                                            | Class II                    |
| Control gear type                                                | LED driver constant current |
| Dimmable                                                         | No                          |
| Dimming method                                                   | N/A                         |
| Drive current (mA)                                               | 290                         |
| Inrush Current (A)                                               | 6.3                         |
| Inrush Duration (µs)                                             | 830                         |
| Energy Efficiency Class (A->G) of contained light source         | F                           |
| Nominal Frequency (Hz)                                           | 50/60Hz                     |
| LED Flickering Rate                                              | Ultra low (5% or less)      |
| Max. products per 10A C Breaker                                  | 56                          |
| Max. products per 13A C Breaker                                  | 70                          |
| Max. products per 16A C Breaker                                  | 88                          |
| Max. products per 20A C Breaker                                  | 110                         |

## Lifetime data

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L80 B20 | 74000  |
| Lifespan L90 B10 | 34000  |

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## Physical data

|                               |                         |
|-------------------------------|-------------------------|
| Housing colour                | RAL 9003 - Signal white |
| IP rating                     | IP44/20                 |
| IK rating                     | IK07                    |
| Diffuser finish               | Opal                    |
| Diffuser material             | PC Polycarbonate        |
| Reflector finish              | High-gloss              |
| Nominal Product Length (mm)   | 165                     |
| Nominal Product Width (mm)    | 165                     |
| Nominal Product Height (mm)   | 45                      |
| Nominal Product Diameter (mm) | 165                     |
| Weight (kg)                   | 0.403                   |
| Recessed Depth (mm)           | 150                     |

## Packaging

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 8711971318002  |
| Packaging single length / height (cm) | 19.5           |
| Packaging single width (cm)           | 19.5           |
| Packaging single depth (cm)           | 6.0            |
| DUN14 (inner)                         | 18711971318009 |
| Units per outer package               | 12             |
| Packaging outer length / height (cm)  | 41.0           |
| Packaging outer width (cm)            | 41.0           |
| Packaging outer depth (cm)            | 21.0           |

## Safety data

|                                  |        |
|----------------------------------|--------|
| Glow Wire Test (°C)              | 850    |
| Optimal operating condition (°C) | -10-25 |