

## Syl-lighter LED II 165

*Syl-Lighter LED II 165 RO 12W WW*  
3031800



### Product features

- 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, 50,000 hrs (L70), (HxW) 45x165mm, 5 step MacAdam ellipse, 0.38kg, RAL9003, Class 2, 220-240V, energy class: A++, A+, A



### PRODUCT OVERVIEW

|                                 |                                  |
|---------------------------------|----------------------------------|
| IPC Code                        | 3031800                          |
| Product name                    | Syl-Lighter LED II 165 RO 12W WW |
| Technology                      | LED                              |
| Housing                         | Aluminium                        |
| Mount                           | Ceiling recessed                 |
| Environment                     | Interior                         |
| General application             | Hospitality                      |
| Certifications                  | EUNEW008                         |
| ETIM Class                      | EC001744                         |
| E-number FI                     | 4271237                          |
| E-number SE                     | 7467089                          |
| Fixture luminous flux (lm)      | 1047                             |
| Luminaire efficacy (lm/W)       | 87                               |
| LOR (%)                         | 100                              |
| Colour temperature (K)          | 3000                             |
| Light colour                    | Warm White                       |
| CRI (Ra)                        | 80                               |
| Colour Variation Initial (SDCM) | 5                                |
| Beam Angle (°)                  | 74                               |
| Glare control                   | 23.6                             |
| Photobiological Risk Group      | RG0                              |
| Total power consumption (W)     | 12                               |
| Electrical protection           | Class II                         |
| Control gear type               | Electronic                       |
| Dimmable                        | No                               |
| LED Flickering Rate             | Ultra low (5% or less)           |
| Average life (Nominal) (h)      | 50000                            |
| Housing colour                  | White (RAL 9003)                 |
| IP rating                       | IP44/20                          |
| IK rating                       | IK07                             |
| Product EAN number              | 8711971318002                    |
| Lamps                           | Yes                              |
| Included lamp                   | INTEGRATED LED                   |

## Syl-lighter LED II 165

*Syl-Lighter LED II 165 RO 12W WW*  
3031800

### DATA TABLE

#### General data

|                                  |                                  |
|----------------------------------|----------------------------------|
| IPC Code                         | 3031800                          |
| Product name                     | Syl-Lighter LED II 165 RO 12W WW |
| Technology                       | LED                              |
| Housing                          | Aluminium                        |
| Mount                            | Ceiling recessed                 |
| Environment                      | Interior                         |
| General application              | Hospitality                      |
| Operating temperature range (°C) | -10 to +40                       |
| Certifications                   | EUNEW008                         |
| ETIM Class                       | EC001744                         |
| E-number FI                      | 4271237                          |
| E-number SE                      | 7467089                          |

#### Optical data

|                                 |                      |
|---------------------------------|----------------------|
| Fixture luminous flux (lm)      | 1047                 |
| Luminaire efficacy (lm/W)       | 87                   |
| LOR (%)                         | 100                  |
| Colour temperature (K)          | 3000                 |
| Light colour                    | Warm White           |
| CRI (Ra)                        | 80                   |
| Colour Variation Initial (SDCM) | 5                    |
| Adjustable chromaticity         | N                    |
| Beam Angle (°)                  | 74                   |
| Distribution type               | Direct - Symmetrical |
| Glare control                   | 23.6                 |
| Photobiological Risk Group      | RG0                  |

#### Electrical data

|                                                                |                        |
|----------------------------------------------------------------|------------------------|
| Total power consumption (W)                                    | 12                     |
| Mains voltage (V)                                              | 220-240V~              |
| 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                                              | Electronic             |
| Dimmable                                                       | No                     |
| Drive current (mA)                                             | 290                    |
| Inrush Current (A)                                             | 6.3                    |
| Inrush Duration (µs)                                           | 830                    |
| Glow Wire Test (°C)                                            | 650                    |
| Nominal Frequency (Hz)                                         | 50/60Hz                |
| LED Flickering Rate                                            | Ultra low (5% or less) |
| Max. Luminaires per 10A C Breaker                              | 12                     |
| Max. Luminaires per 13A C Breaker                              | 16                     |
| Max. Luminaires per 16A C Breaker                              | 20                     |
| Max. Luminaires per 20A C Breaker                              | 25                     |

## Syl-lighter LED II 165

*Syl-Lighter LED II 165 RO 12W WW*

3031800

### Lifetime data

|                             |       |
|-----------------------------|-------|
| Lumen maintenance - L70 B50 | 50000 |
| Lumen maintenance - L70 B20 | 38000 |
| Lumen maintenance - L70 B10 | 35000 |
| Lumen maintenance - L80 B50 | 28000 |
| Lumen maintenance - L80 B20 | 24000 |
| Lumen maintenance - L80 B10 | 22000 |
| Lumen maintenance - L90 B50 | 14000 |
| Lumen maintenance - L90 B20 | 11000 |
| Lumen maintenance - L90 B10 | 10000 |
| Average life (Nominal) (h)  | 50000 |

### Physical data

|                               |                  |
|-------------------------------|------------------|
| Housing colour                | White (RAL 9003) |
| IP rating                     | IP44/20          |
| IK rating                     | IK07             |
| Diffuser finish               | Opal             |
| Diffuser material             | Polycarbonate    |
| Reflector finish              | Mirror           |
| Nominal Product Height (mm)   | 45               |
| Nominal Product Diameter (mm) | 165              |
| Weight (kg)                   | 0.403            |
| Recessed Depth (mm)           | 150              |

### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 8711971318002  |
| Packaging single length / height (cm) | 19.5           |
| Packaging single width (cm)           | 19.5           |
| Packaging single depth (cm)           | 6.0            |
| DUN14 (outer)                         | 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           |

## PHOTOMETRY

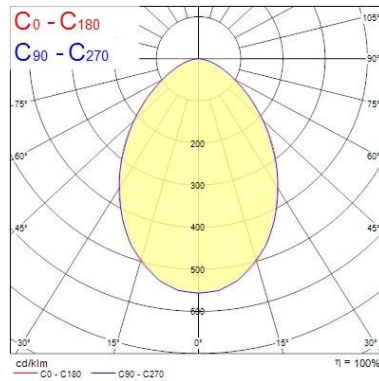
## Syl-lighter LED II 165

*Syl-Lighter LED II 165 RO 12W WW*  
3031800

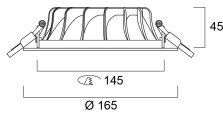
|     |              |                          |                         |                    |
|-----|--------------|--------------------------|-------------------------|--------------------|
| 0.5 | 0.81<br>0.83 | E(0°)<br>E(C90)<br>E(C0) | 39.1°<br>39.1°<br>39.1° | 2328<br>847<br>531 |
| 1.0 | 1.63<br>1.66 | E(0°)<br>E(C90)<br>E(C0) | 39.1°<br>39.1°<br>39.1° | 582<br>197<br>133  |
| 1.5 | 2.44<br>2.49 | E(0°)<br>E(C90)<br>E(C0) | 39.1°<br>39.1°<br>39.1° | 259<br>81<br>59    |
| 2.0 | 3.25<br>3.32 | E(0°)<br>E(C90)<br>E(C0) | 39.1°<br>39.1°<br>39.1° | 145<br>34<br>23    |
| 2.5 | 4.06<br>4.15 | E(0°)<br>E(C90)<br>E(C0) | 39.1°<br>39.1°<br>39.1° | 93<br>23<br>17     |
| 3.0 | 4.88<br>4.98 | E(0°)<br>E(C90)<br>E(C0) | 39.1°<br>39.1°<br>39.1° | 66<br>16<br>15     |

Distance [m]      Cone diameter [m]      Illuminance [lx]

— C0 - C180 (Half beam angle: 75.4°)  
— C90 - C270 (Half beam angle: 75.2°)



## TECHNICAL DRAWINGS



## Syl-lighter LED II 165

*Syl-Lighter LED II 165 RO 12W WW*  
3031800

