

# OFFICELYTE 600 4000K C90 HE

Item No: 2069528

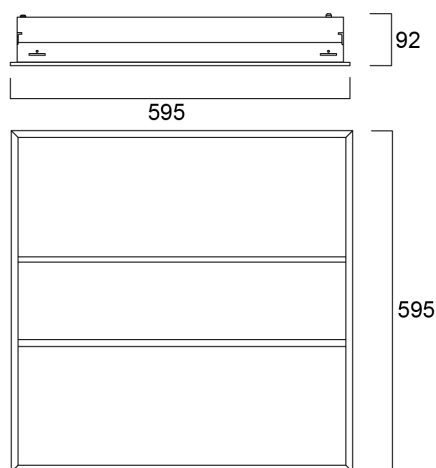
Concord



Concord OFFICELYTE 600 4000K C90 HE is a high performance low glare luminaire for offices and education applications. Suitable for lay in, as well as for pull up, into concealed grid and plasterboard ceilings with our optional wedge accessory kits suitable. Optical solution is a combination of Tp(a) rated central prismatic and side diffusers. Painted steel housing with RAL 9016 finishing colour. 595x595x92mm dimensions. 3150lm luminous flux, 23.5W total power consumption, 134lm/W efficacy level, CRI90 4000K (Neutral white) LED light sources with chromaticity tolerance of 3-step MacAdam ellipse. Conforming to EN 12464-1 for indoor work places, UGR<19. IK03 impact resistance, IP20 ingress protection level. IEC Class II electrical protection. Photobiological Risk Group 1. Lifespan 93k hours at L80B50. Glow Wire test 850°C. Non-dimmable driver.

## Technical Assets

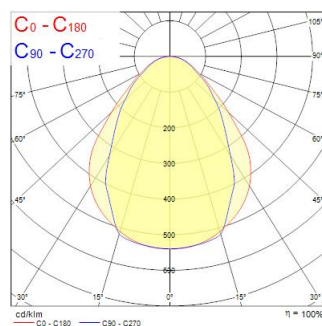
### Dimensions (mm)



### Photometrics

| Distance [m] | Cone diameter [m] | Beam angle [°] | Beam diameter [m] | Beam area [m²] | Beam flux [lm] | Beam illuminance [lx] |
|--------------|-------------------|----------------|-------------------|----------------|----------------|-----------------------|
| 0.5          | 0.72              | 35.8°          | 0.95              | 0.88           | 3150           | 3580                  |
| 1.0          | 1.43              | 35.8°          | 1.90              | 3.53           | 3150           | 892                   |
| 1.5          | 2.15              | 35.8°          | 2.85              | 8.12           | 3150           | 388                   |
| 2.0          | 2.86              | 35.8°          | 3.80              | 14.45          | 3150           | 218                   |
| 2.5          | 3.58              | 35.8°          | 4.74              | 22.47          | 3150           | 140                   |
| 3.0          | 4.30              | 35.8°          | 5.69              | 32.06          | 3150           | 98                    |

Distance [m] Cone diameter [m]  
C0 - C180 (half beam angle: 87.0°)  
C90 - C270 (half beam angle: 71.2°)



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## General data

|                                         |                             |
|-----------------------------------------|-----------------------------|
| Product name                            | OFFICELYTE 600 4000K C90 HE |
| Technology                              | LED                         |
| Cap/Base                                | N/A                         |
| Housing                                 | Steel                       |
| Mount                                   | Ceiling recessed mounting   |
| Built in presence detector              | NONE                        |
| General application                     | Office, Education           |
| Operating temperature range (°C)        | 5°C...+35°C                 |
| Performance ambient temperature Tq (°C) | 25                          |
| Virtual assistant compatibility         | N/A                         |
| ETIM Class                              | EC002892                    |
| Warranty                                | 5 years                     |

## Optical data

|                                   |               |
|-----------------------------------|---------------|
| Fixture luminous flux (lm)        | 3150          |
| Luminaire efficacy (lm/W)         | 134           |
| Correlated colour temperature (k) | 4000          |
| Light colour                      | Neutral White |
| CRI (Ra)                          | 90            |
| Colour Variation Initial (SDCM)   | SDCM3         |
| Beam Angle (°)                    | 87            |
| Distribution type                 | Symmetric     |
| Glare control                     | < 19          |
| Photobiological Risk Group        | RG0           |

## Electrical data

|                                                                  |                             |
|------------------------------------------------------------------|-----------------------------|
| Emergency type                                                   |                             |
| Total power consumption (W)                                      | 23.5                        |
| Primary Supply/Product voltage - min (V)                         | 220.0                       |
| Primary Supply/Product voltage - max (V)                         | 240.0                       |
| Lamp power factor                                                | 0.9                         |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x % | 10                          |
| Electrical protection                                            | Class II                    |
| Control gear required                                            | No                          |
| Control gear type                                                | LED driver constant current |
| Dimmable                                                         | No                          |
| Dimming method                                                   | N/A                         |
| Drive current (mA)                                               | 650                         |
| Inrush Current (A)                                               | 21                          |
| Inrush Duration (µs)                                             | 180                         |
| Energy Efficiency Class (A->G) of contained light source         | C                           |
| Nominal Frequency (Hz)                                           | 50/60Hz                     |
| LED Flickering Rate                                              | Ultra low (5% or less)      |
| Max. products per 10A C Breaker                                  | 50                          |
| Max. products per 16A C Breaker                                  | 80                          |
| Max. products per 16A B Breaker                                  | 50                          |
| Connectable conductor cross section - Min (mm²)                  | 0.75                        |
| Connectable conductor cross section - Max (mm²)                  | 1.5                         |

## Lifetime data

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L80 B50 | 93000  |

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## Physical data

|                             |                                  |
|-----------------------------|----------------------------------|
| Housing colour              | RAL 9016 - Traffic white / Bezel |
| IP rating                   | IP20                             |
| IK rating                   | IK03                             |
| Diffuser finish             | Prismatic                        |
| Diffuser material           | PMMA Acrylic                     |
| Reflector finish            | Not Applicable                   |
| Nominal Product Length (mm) | 595                              |
| Nominal Product Width (mm)  | 595                              |
| Nominal Product Height (mm) | 90                               |
| Weight (kg)                 | 4.4                              |

## Packaging

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5025768695287  |
| Packaging single length / height (cm) | 67.0           |
| Packaging single width (cm)           | 10.0           |
| Packaging single depth (cm)           | 61.5           |
| DUN14 (inner)                         | 05025768695287 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 67.0           |
| Packaging outer width (cm)            | 10.0           |
| Packaging outer depth (cm)            | 61.0           |

## Safety data

|                                  |      |
|----------------------------------|------|
| Glow Wire Test (°C)              | 850  |
| Optimal operating condition (°C) | 5-35 |