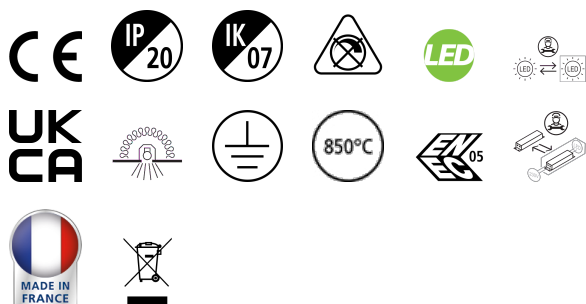


# OPTIX RECESSED 600 2L LUMI 4K ALU

Item No: 2023832

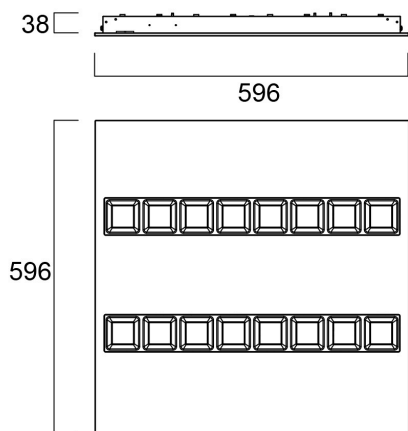
Concord



OPTIX RECESSED 600 2L LUMI 4000K ALU is a ceiling recessed luminaire for office and education applications with Aluminised plastic extra low glare optics and RAL9016 colour fixture body. Constant current driver. 4000K Neutral White LED, chromaticity tolerance of 3-step MacAdam ellipse. For 4000K - Colour rendering index  $R_a > 98$ ; Melanopic Ratio MEER: 0.771; Fidelity Index  $R_f$ : 94; Gamut Index  $R_g$ : 98. For 4000K luminous flux: 2900lm. Power consumption: 30W. Luminaire efficacy: 97lm/W.  $UGR < 16$  Luminance at  $65^\circ < 200$  Cd/m<sup>2</sup>, IK07, IP20. Photobiological safety risk group 0. Electrical protection Class I. Glow wire test 850°C. 60,000hrs L80B20 lifespan.

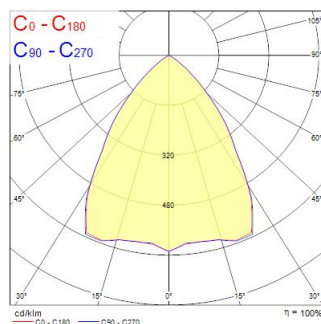
## Technical Assets

### Dimensions (mm)



### Photometrics

| Distance (m) | Cone diameter (m) | Beam angle (°) | Beam diameter (m) | Beam area (m²) | Beam illuminance (lx) |
|--------------|-------------------|----------------|-------------------|----------------|-----------------------|
| 0.5          | 0.78              | 75.0°          | 0.78              | 0.38           | 7522                  |
| 1.0          | 1.56              | 75.0°          | 1.56              | 1.53           | 1917                  |
| 1.5          | 2.34              | 75.0°          | 2.34              | 2.70           | 1083                  |
| 2.0          | 3.11              | 75.0°          | 3.11              | 3.87           | 752                   |
| 2.5          | 3.89              | 75.0°          | 3.89              | 4.94           | 591                   |
| 3.0          | 4.67              | 75.0°          | 4.67              | 5.91           | 494                   |
| 3.5          | 5.45              | 75.0°          | 5.45              | 6.88           | 423                   |
| 4.0          | 6.22              | 75.0°          | 6.22              | 7.85           | 371                   |
| 4.5          | 7.00              | 75.0°          | 7.00              | 8.82           | 329                   |
| 5.0          | 7.78              | 75.0°          | 7.78              | 9.79           | 295                   |
| 5.5          | 8.56              | 75.0°          | 8.56              | 10.76          | 268                   |
| 6.0          | 9.34              | 75.0°          | 9.34              | 11.73          | 246                   |
| 6.5          | 10.12             | 75.0°          | 10.12             | 12.70          | 227                   |
| 7.0          | 10.89             | 75.0°          | 10.89             | 13.67          | 211                   |
| 7.5          | 11.67             | 75.0°          | 11.67             | 14.64          | 198                   |
| 8.0          | 12.45             | 75.0°          | 12.45             | 15.61          | 186                   |
| 8.5          | 13.23             | 75.0°          | 13.23             | 16.58          | 175                   |
| 9.0          | 14.00             | 75.0°          | 14.00             | 17.55          | 165                   |
| 9.5          | 14.78             | 75.0°          | 14.78             | 18.52          | 156                   |
| 10.0         | 15.56             | 75.0°          | 15.56             | 19.49          | 147                   |



# OPTIX RECESSED 600 2L LUMI 4K ALU

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Concord

## General data

|                                         |                                   |
|-----------------------------------------|-----------------------------------|
| Product name                            | OPTIX RECESSED 600 2L LUMI 4K ALU |
| Technology                              | LED                               |
| Cap/Base                                | N/A                               |
| Housing                                 | Steel                             |
| Mount                                   | Ceiling recessed mounting         |
| Built in presence detector              | NONE                              |
| Fixture rating                          | Enclosed                          |
| General application                     | Office, Education                 |
| Operating temperature range (°C)        | 10°C...+25°C                      |
| Performance ambient temperature Tq (°C) | 25                                |
| Virtual assistant compatibility         | N/A                               |
| ETIM Class                              | EC002892                          |
| Warranty                                | 5 years                           |

## Optical data

|                                   |               |
|-----------------------------------|---------------|
| Fixture luminous flux (lm)        | 2915          |
| Luminaire efficacy (lm/W)         | 97            |
| Correlated colour temperature (k) | 4000          |
| Light colour                      | Neutral White |
| CRI (Ra)                          | 98            |
| Colour Variation Initial (SDCM)   | SDCM3         |
| Colour Consistency (SDCM)         | 3             |
| Distribution type                 | Symmetric     |
| Glare control                     | < 16          |
| Photobiological Risk Group        | RG1           |

## Electrical data

|                                                                  |                             |
|------------------------------------------------------------------|-----------------------------|
| Emergency type                                                   |                             |
| Total power consumption (W)                                      | 30                          |
| Primary Supply/Product voltage - min (V)                         | 220                         |
| Primary Supply/Product voltage - max (V)                         | 240                         |
| Lamp power factor                                                | 0.95                        |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x % | 10                          |
| Electrical protection                                            | Class I                     |
| Control gear required                                            | No                          |
| Control gear type                                                | LED driver constant current |
| Dimmable                                                         | No                          |
| Dimming method                                                   | N/A                         |
| Drive current (mA)                                               | 200                         |
| Inrush Current (A)                                               | 25                          |
| Inrush Duration (µs)                                             | 250                         |
| 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                                  | 27                          |
| Max. products per 13A C Breaker                                  | 35                          |
| Max. products per 16A C Breaker                                  | 45                          |
| Max. products per 20A C Breaker                                  | 58                          |
| Max. products per 10A B Breaker                                  | 16                          |
| Max. products per 13A B Breaker                                  | 21                          |
| Max. products per 16A B Breaker                                  | 27                          |
| Max. products per 20A B Breaker                                  | 35                          |
| Connectable conductor cross section - Min (mm²)                  | 0.75                        |
| Connectable conductor cross section - Max (mm²)                  | 2.5                         |

## Lifetime data

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L80 B20 | 60000  |

# OPTIX RECESSED 600 2L LUMI 4K ALU

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## Physical data

|                             |                                  |
|-----------------------------|----------------------------------|
| Housing colour              | RAL 9016 - Traffic white / Bezel |
| IP rating                   | IP20                             |
| IK rating                   | IK07                             |
| Diffuser finish             | Matt/satinized                   |
| Diffuser material           | PC Polycarbonate                 |
| Reflector finish            | High-gloss                       |
| Nominal Product Length (mm) | 596                              |
| Nominal Product Width (mm)  | 596                              |
| Nominal Product Height (mm) | 38                               |
| Weight (kg)                 | 5.0                              |

## Packaging

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5025768238323  |
| Packaging single length / height (cm) | 62.0           |
| Packaging single width (cm)           | 6.5            |
| Packaging single depth (cm)           | 65.0           |
| DUN14 (inner)                         | 05025768238323 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 62.0           |
| Packaging outer width (cm)            | 6.5            |
| Packaging outer depth (cm)            | 65.0           |

## Safety data

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