

Optix Recessed 600x600 Standard Output  
*OPTIX RECESSED 600x600 2L SO 4000K ALU DALI EM*  
2023596



PRODUCT OVERVIEW

|                                 |                                                |
|---------------------------------|------------------------------------------------|
| Product name                    | OPTIX RECESSED 600x600 2L SO 4000K ALU DALI EM |
| Technology                      | LED (3 SDCM)                                   |
| Cap/Base                        | N/A                                            |
| Housing                         | Steel                                          |
| Mount                           | Ceiling recessed mounting                      |
| Fixture rating                  | Enclosed                                       |
| Warranty                        | 5 years                                        |
| Fixture luminous flux (lm)      | 2800                                           |
| Luminaire efficacy (lm/W)       | 138                                            |
| Colour temperature (K)          | 4000                                           |
| Light colour                    | Neutral White                                  |
| CRI (Ra)                        | 80                                             |
| Colour Variation Initial (SDCM) | SDCM3                                          |
| Glare control                   | < 16                                           |
| Photobiological Risk Group      | RG0                                            |
| Luminous flux (emergency) (lm)  | 80                                             |
| Total power consumption (W)     | 21                                             |
| Electrical protection           | Class I                                        |
| Control gear type               | LED driver constant current                    |
| LED Flickering Rate             | Ultra low (5% or less)                         |
| Housing colour                  | RAL 9016 - Traffic white / Bezel               |
| IP rating                       | IP20                                           |
| IK rating                       | IK07                                           |
| Product EAN number              | 5025768235964                                  |

DATA TABLE

|              |                                                |
|--------------|------------------------------------------------|
| General data |                                                |
| Product name | OPTIX RECESSED 600x600 2L SO 4000K ALU DALI EM |
| Technology   | LED (3 SDCM)                                   |
| Cap/Base     | N/A                                            |
| Housing      | Steel                                          |

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|                                         |                           |
|-----------------------------------------|---------------------------|
| Mount                                   | Ceiling recessed mounting |
| Fixture rating                          | Enclosed                  |
| Performance ambient temperature Tq (°C) | 25                        |
| Warranty                                | 5 years                   |

### Optical data

|                                 |               |
|---------------------------------|---------------|
| Fixture luminous flux (lm)      | 2800          |
| Luminaire efficacy (lm/W)       | 138           |
| Colour temperature (K)          | 4000          |
| Light colour                    | Neutral White |
| CRI (Ra)                        | 80            |
| Colour Variation Initial (SDCM) | SDCM3         |
| Glare control                   | < 16          |
| Photobiological Risk Group      | RG0           |
| Luminous flux (emergency) (lm)  | 80            |
| Emergency duration (h)          | 3             |

### Electrical data

|                                                          |                             |
|----------------------------------------------------------|-----------------------------|
| Total power consumption (W)                              | 21                          |
| Primary Supply/Product voltage - min (V)                 | 198.0                       |
| Lamp power factor                                        | 0.98                        |
| Electrical protection                                    | Class I                     |
| Control gear type                                        | LED driver constant current |
| Drive current (mA)                                       | 200                         |
| Inrush Current (A)                                       | 29                          |
| Inrush Duration (µs)                                     | 180                         |
| Glow Wire Test (°C)                                      | 850                         |
| 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                          | 21                          |
| Max. products per 20A B Breaker                          | 27                          |
| Connectable conductor cross section - Min (mm²)          | 2.5                         |
| Connectable conductor cross section - Max (mm²)          | 2.5                         |

### Lifetime data

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 120000 |
| Lifespan L80 B20 | 107500 |
| Lifespan L90 B10 | 48500  |

### Physical data

|                   |                                  |
|-------------------|----------------------------------|
| Housing colour    | RAL 9016 - Traffic white / Bezel |
| IP rating         | IP20                             |
| IK rating         | IK07                             |
| Diffuser finish   | Matt/satinized                   |
| Diffuser material | PC Polycarbonate                 |

## Optix Recessed 600x600 Standard Output

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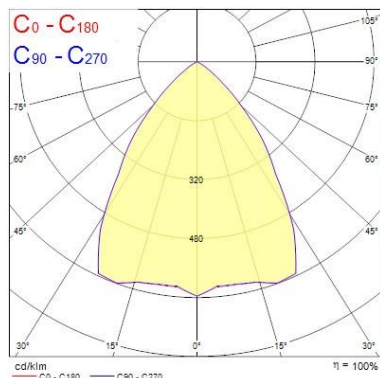
2023596

|                             |     |
|-----------------------------|-----|
| Nominal Product Length (mm) | 596 |
| Nominal Product Width (mm)  | 596 |
| Weight (kg)                 | 5.0 |

### Packaging

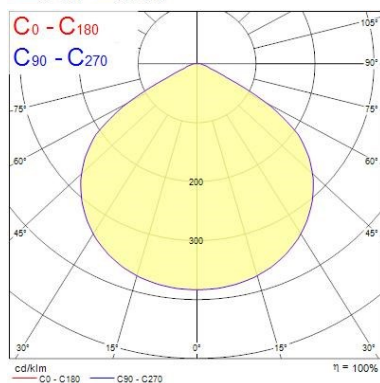
|                                      |                |
|--------------------------------------|----------------|
| Single packaging type                | Carton         |
| Product EAN number                   | 5025768235964  |
| Packaging single width (cm)          | 6.5            |
| Packaging single depth (cm)          | 65.0           |
| DUN14 (outer)                        | 05025768235964 |
| Packaging outer length / height (cm) | 62.0           |

## PHOTOMETRY



| Distance [m] | Cone diameter [m] | E (0°) [lx] | E (C0) [lx] | E (C90) [lx] |
|--------------|-------------------|-------------|-------------|--------------|
| 0.5          | 1.51              | 133         | 56.4        | 10           |
| 1.0          | 3.01              | 31          | 56.4        | 3            |
| 1.5          | 4.52              | 14          | 56.4        | 1            |
| 2.0          | 6.02              | 8           | 56.4        | 1            |
| 2.5          | 7.53              | 5           | 56.4        | 0            |
| 3.0          | 9.03              | 3           | 56.4        | 0            |

Distance [m] Cone diameter [m]  
C0 - C180 (Half beam angle: 112.8°)



| Distance [m] | Cone diameter [m] | E (0°) [lx] | E (C0) [lx] | E (C90) [lx] |
|--------------|-------------------|-------------|-------------|--------------|
| 0.5          | 0.77              | 7133        | 37.7        | 1781         |
| 1.0          | 1.55              | 1781        | 37.7        | 445          |
| 1.5          | 2.32              | 791         | 37.7        | 196          |
| 2.0          | 3.09              | 445         | 37.7        | 111          |
| 2.5          | 3.86              | 282         | 37.7        | 71           |
| 3.0          | 4.64              | 196         | 37.7        | 49           |

Distance [m] Cone diameter [m]  
C0 - C180 (Half beam angle: 75.4°)

## TECHNICAL DRAWINGS

