

Optix Recessed 600x600 Medium Output

OPTIX RECESSED 600x600 3L 4000K ALU EM
0044115



Product features

- OPTIX RECESSED 600x600 3L 4000K ALU EM is a high efficacy low glare luminaire for office and education applications. Ceiling recessed 600x600 mm. Aluminised plastic extra low glare optics in 3 lines configuration. White RAL9016 fixture body. Constant current driver. 3hr combined maintained emergency version. 4000K Neutral White LED, CRI>80, chromaticity tolerance of 3-step MacAdam ellipse. Luminous flux 3600lm. Power consumption 26W. Luminaire efficacy 138lm/W. Lumen maintenance of L90B50 > 72000h, L90B10 = 46000h. UGR<16, Luminance at 65°<200 Cd/m2, IK07, IP20. Photobiological safety risk group 0. Electrical protection Class I. Glow wire test 850°C.



PRODUCT OVERVIEW

| | |
|---------------------------------|--|
| IPC Code | 0044115 |
| Product name | OPTIX RECESSED 600x600 3L 4000K ALU EM |
| Technology | LED (3 SDCM) |
| Housing | STEEL |
| Mount | Recessed |
| Fixture rating | Enclosed |
| General application | Office, Education, |
| Certifications | EUNEW001 |
| ETIM Class | EC002892 |
| Fixture luminous flux (lm) | 3600 |
| Luminaire efficacy (lm/W) | 138 |
| Colour temperature (K) | 4000 |
| CRI (Ra) | 80 |
| Colour Variation Initial (SDCM) | 3 |
| Glare control | 16 |
| Photobiological Risk Group | 0 |
| Total power consumption (W) | 26 |
| Electrical protection | Class I |
| Control gear type | Electronic (constant current) |
| Dimmable | No |
| LED Flickering Rate | Ultra low (5% or less) |
| Housing colour | RAL 9016 |
| IP rating | IP20 |
| IK rating | IK07 |
| Product EAN number | 5410288441153 |
| Chromaticity coordinate Y | 0.3797 |
| Lamps | Yes |
| Included lamp | INTEGRATED LED |

DATA TABLE

General data

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Optical data

| | |
|---------------------------------|------|
| Fixture luminous flux (lm) | 3600 |
| Luminaire efficacy (lm/W) | 138 |
| Colour temperature (K) | 4000 |
| CRI (Ra) | 80 |
| Colour Variation Initial (SDCM) | 3 |
| Glare control | 16 |
| Photobiological Risk Group | 0 |
| Emergency duration (h) | 3 |

Electrical data

| | |
|--|-------------------------------|
| Total power consumption (W) | 26 |
| Starting time (max) (s) | <0.5 |
| Mains voltage (V) | 220-240V~ |
| Lamp power factor | 0.95 |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) = xx.x % | 8 |
| Electrical protection | Class I |
| Control gear required | No |
| Control gear type | Electronic (constant current) |
| Dimmable | No |
| Drive current (mA) | 500 |
| Inrush Current (A) | 25 |
| Inrush Duration (µs) | 250 |
| Glow Wire Test (°C) | 850 |
| Nominal Frequency (Hz) | 50/60Hz |
| LED Flickering Rate | Ultra low (5% or less) |
| Max. Luminaires per 10A C Breaker | 20 |
| Max. Luminaires per 13A C Breaker | 30 |
| Max. Luminaires per 16A C Breaker | 40 |
| Max. Luminaires per 20A C Breaker | 47 |
| Max. Luminaires per 10A B Breaker | 10 |
| Max. Luminaires per 13A B Breaker | 15 |
| Max. Luminaires per 16A B Breaker | 20 |
| Max. Luminaires per 20A B Breaker | 24 |

Lifetime data

| | |
|-----------------------------|-------|
| Lumen maintenance - L70 B50 | 72000 |
| Lumen maintenance - L80 B10 | 72000 |
| Lumen maintenance - L90 B50 | 72000 |

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| | |
|-----------------------------|-------|
| Lumen maintenance - L90 B20 | 50000 |
| Lumen maintenance - L90 B10 | 46000 |

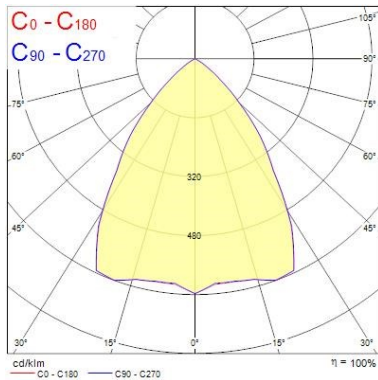
Physical data

| | |
|-----------------------------|---------------|
| Housing colour | RAL 9016 |
| IP rating | IP20 |
| IK rating | IK07 |
| Diffuser finish | Satin |
| Diffuser material | Polycarbonate |
| Nominal Product Length (mm) | 596 |
| Nominal Product Width (mm) | 596 |
| Nominal Product Height (mm) | 38 |
| Weight (kg) | 5.0 |

Packaging

| | |
|---------------------------------------|----------------|
| Single packaging type | Carton |
| Product EAN number | 5410288441153 |
| Packaging single length / height (cm) | 62.0 |
| Packaging single width (cm) | 6.5 |
| Packaging single depth (cm) | 65.0 |
| DUN14 (outer) | 05410288441153 |
| Units per outer package | 1 |
| Packaging outer length / height (cm) | 62.0 |
| Packaging outer width (cm) | 6.5 |
| Packaging outer depth (cm) | 65.0 |

PHOTOMETRY



| Distance [m] | Cone diameter [m] | E _v (0°) E _v (C0) | E _v (0°) E _v (C270) | Illuminance [lx] |
|--------------|-------------------|--|--|------------------|
| 0.5 | 0.77 | 37.6° | 37.6° | 9175 2294 |
| 1.0 | 1.54 | 37.6° | 37.6° | 2294 575 |
| 1.5 | 2.31 | 37.6° | 37.6° | 1019 255 |
| 2.0 | 3.08 | 37.6° | 37.6° | 573 144 |
| 2.5 | 3.85 | 37.6° | 37.6° | 367 92 |
| 3.0 | 4.62 | 37.6° | 37.6° | 255 64 |

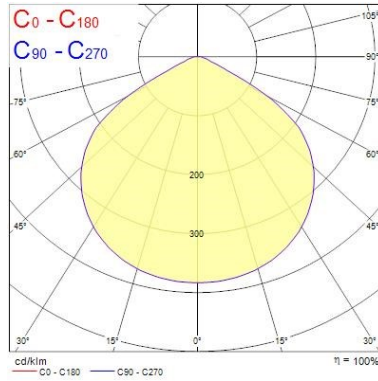
Distance [m] Cone diameter [m] Illuminance [lx]
C0 - C180 (Half beam angle: 75.2°)

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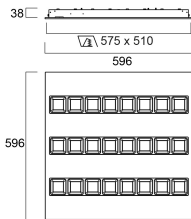
| | | | | |
|-----|------|----------------|-------|-----------|
| 0.5 | 1.51 | E(0°) E(C0) | 96.4° | 123 10 |
| 1.0 | 3.01 | E(0°) E(C0) | 96.4° | 31 3 |
| 1.5 | 4.52 | E(0°) E(C0) | 96.4° | 14 1 |
| 2.0 | 6.02 | E(0°) E(C0) | 96.4° | 8 1 |
| 2.5 | 7.53 | E(0°) E(C0) | 96.4° | 5 0 |
| 3.0 | 9.03 | E(0°) E(C0) | 96.4° | 3 0 |

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

— C0 - C180 (Half beam angle: 112.8°)





TECHNICAL DRAWINGS




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SYLVANIA 0044115


 This luminaire contains built in LED lamps.

 } **LED**


The lamps cannot be changed in the luminaire.

874/2012 

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SYLVANIA 0044115  874/2012