

START Downlight Flat IP44 Dimmable 205mm Round Recessed

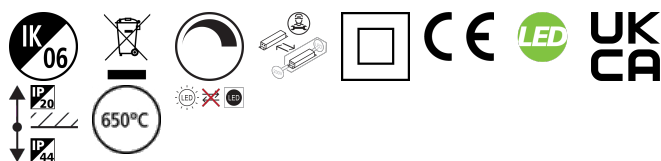
START eco Downlight Flat 205 IP44 2200lm 830 DIM

0053940



Product features

- START eco Downlight Flat IP44 DIM is an integrated LED recessed downlight with a separate phase dimmable driver and Loop in out box; 24W; 2200Lm; 92Lm/W; 3000K; IP44 rated from the front.



PRODUCT OVERVIEW

| | |
|---------------------------------|--|
| Product name | START eco Downlight Flat 205 IP44 2200lm 830 DIM |
| Technology | LED |
| Housing | Aluminium |
| Mount | Ceiling recessed mounting |
| General application | Hospitality |
| ETIM Class | EC001744 |
| Warranty | 3 years |
| Fixture luminous flux (lm) | 2200 |
| Luminaire efficacy (lm/W) | 92 |
| Colour temperature (K) | 3000 |
| Light colour | Warm White |
| CRI (Ra) | 80 |
| Colour Variation Initial (SDCM) | SDCM5 |
| Beam Angle (°) | 120 |
| Glare control | < 28 |
| Photobiological Risk Group | RG0 |
| Total power consumption (W) | 24 |
| Electrical protection | Class II |
| Control gear type | LED driver constant current |
| Dimmable | Yes |
| Dimming method | Mains: leading / trailing edge |
| LED Flickering Rate | Ultra low (5% or less) |
| Housing colour | RAL 9003 - Signal white |
| IP rating | IP44/20 |
| IK rating | IK06 |
| Product EAN number | 5410288539409 |

DATA TABLE

General data

| | |
|--------------|--|
| Product name | START eco Downlight Flat 205 IP44 2200lm 830 DIM |
| Technology | LED |

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| | |
|---|---------------------------|
| Housing | Aluminium |
| Mount | Ceiling recessed mounting |
| General application | Hospitality |
| Operating temperature range (°C) | -20°C...+40°C |
| Performance ambient temperature Tq (°C) | 25 |
| ETIM Class | EC001744 |
| Warranty | 3 years |

Optical data

| | |
|---------------------------------|------------|
| Fixture luminous flux (lm) | 2200 |
| Luminaire efficacy (lm/W) | 92 |
| Colour temperature (K) | 3000 |
| Light colour | Warm White |
| CRI (Ra) | 80 |
| Colour Variation Initial (SDCM) | SDCM5 |
| Beam Angle (°) | 120 |
| Distribution type | Symmetric |
| Glare control | < 28 |
| Photobiological Risk Group | RG0 |

Electrical data

| | |
|--|--------------------------------|
| Total power consumption (W) | 24 |
| Mains voltage (V) | 220-240V |
| Lamp power factor | 0.9 |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x % | 20.0 |
| Electrical protection | Class II |
| Control gear required | No |
| Control gear type | LED driver constant current |
| Dimmable | Yes |
| Dimming method | Mains: leading / trailing edge |
| Drive current (mA) | 600 |
| Inrush Current (A) | 4.16 |
| Inrush Duration (µs) | 112 |
| Glow Wire Test (°C) | 650 |
| Energy Efficiency Class (A->G) of contained light source | E |
| Nominal Frequency (Hz) | 50Hz |
| LED Flickering Rate | Ultra low (5% or less) |
| Max. Luminaires per 10A C Breaker | 51 |
| Max. Luminaires per 13A C Breaker | 67 |
| Max. Luminaires per 16A C Breaker | 82 |
| Max. Luminaires per 20A C Breaker | 103 |
| Max. Luminaires per 10A B Breaker | 51 |
| Max. Luminaires per 13A B Breaker | 67 |
| Max. Luminaires per 16A B Breaker | 82 |
| Max. Luminaires per 20A B Breaker | 103 |

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Lifetime data

| | |
|------------------|-------|
| Lifespan L70 B50 | 60000 |
| Lifespan L90 B10 | 23000 |

Physical data

| | |
|---|-------------------------|
| Housing colour | RAL 9003 - Signal white |
| IP rating | IP44/20 |
| IK rating | IK06 |
| Diffuser finish | Opal |
| Diffuser material | PS Polystyrene |
| Nominal Product Length (mm) | 226 |
| Nominal Product Width (mm) | 226 |
| Nominal Product Height (mm) | 21 |
| Nominal Product Diameter (mm) | 226 |
| Cutout Dimensions (W x L in mm or Diameter in mm) | 205 |
| Weight (kg) | 0.536 |

Packaging

| | |
|---------------------------------------|----------------|
| Single packaging type | Carton |
| Product EAN number | 5410288539409 |
| Packaging single length / height (cm) | 27.5 |
| Packaging single width (cm) | 4.2 |
| Packaging single depth (cm) | 23.0 |
| DUN14 (outer) | 15410288539406 |
| Units per outer package | 10 |
| Packaging outer length / height (cm) | 48.5 |
| Packaging outer width (cm) | 23.9 |
| Packaging outer depth (cm) | 29.5 |

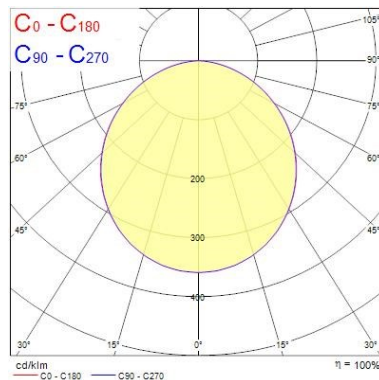
Safety data

| | |
|----------------------------------|--------|
| Optimal operating condition (°C) | -20-40 |
|----------------------------------|--------|

PHOTOMETRY

| Distance [m] | Cone diameter [m] | E(0°) | E(C90) | E(C0) | Illuminance [lx] |
|--------------|-------------------|-------|--------------|--------------|------------------|
| 0.5 | 1.41 1.43 | 3159 | 54.7° 306 | 55.1° 296 | |
| 1.0 | 2.82 2.87 | 790 | 54.7° 76 | 55.1° 74 | |
| 1.5 | 4.24 4.30 | 351 | 54.7° 34 | 55.1° 33 | |
| 2.0 | 5.65 5.73 | 197 | 54.7° 19 | 55.1° 18 | |
| 2.5 | 7.06 7.17 | 126 | 54.7° 12 | 55.1° 12 | |
| 3.0 | 8.47 8.60 | 88 | 54.7° 8 | 55.1° 8 | |

Distance [m] Cone diameter [m] Illuminance [lx]
 — C0 - C180 (Half beam angle: 110.2°)
 — C90 - C270 (Half beam angle: 109.4°)



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TECHNICAL DRAWINGS

