

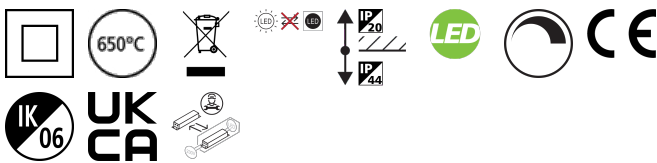
START Downlight Flat IP44 Dimmable 155mm Round Recessed

START eco Downlight Flat 155 IP44 1000lm 830 DIM  
0053937



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, 12W; 1000Lm; 83Lm/W; 3000K; IP44 rated from the front.



PRODUCT OVERVIEW

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| Product name                    | START eco Downlight Flat 155 IP44 1000lm 830 DIM |
| Technology                      | LED                                              |
| Housing                         | Aluminium                                        |
| Mount                           | Ceiling recessed mounting                        |
| General application             | Hospitality                                      |
| ETIM Class                      | EC001744                                         |
| Warranty                        | 3 years                                          |
| Fixture luminous flux (lm)      | 1000                                             |
| Luminaire efficacy (lm/W)       | 83                                               |
| 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                                              |
| Max load (A)                    | 120                                              |
| Total power consumption (W)     | 12                                               |
| 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              | 5410288539379                                    |

DATA TABLE

|              |                                                  |
|--------------|--------------------------------------------------|
| General data |                                                  |
| Product name | START eco Downlight Flat 155 IP44 1000lm 830 DIM |

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|                                         |                           |
|-----------------------------------------|---------------------------|
| Technology                              | LED                       |
| 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)      | 1000       |
| Luminaire efficacy (lm/W)       | 83         |
| 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

|                                                                |                                |
|----------------------------------------------------------------|--------------------------------|
| Max load (A)                                                   | 120                            |
| Total power consumption (W)                                    | 12                             |
| 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)                                             | 300                            |
| Inrush Current (A)                                             | 2.35                           |
| Inrush Duration (µs)                                           | 120                            |
| 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                              | 95                             |
| Max. Luminaires per 13A C Breaker                              | 124                            |
| Max. Luminaires per 16A C Breaker                              | 152                            |
| Max. Luminaires per 20A C Breaker                              | 190                            |
| Max. Luminaires per 10A B Breaker                              | 95                             |
| Max. Luminaires per 13A B Breaker                              | 124                            |
| Max. Luminaires per 16A B Breaker                              | 152                            |
| Max. Luminaires per 20A B Breaker                              | 190                            |

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### Lifetime data

|                  |       |
|------------------|-------|
| Lifespan L70 B50 | 60000 |
| Lifespan L80 B50 | 50000 |
| Lifespan L80 B10 | 42000 |
| Lifespan L90 B50 | 28000 |
| 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)                       | 172                     |
| Nominal Product Width (mm)                        | 172                     |
| Nominal Product Height (mm)                       | 21                      |
| Nominal Product Diameter (mm)                     | 172                     |
| Cutout Dimensions (W x L in mm or Diameter in mm) | 155                     |
| Weight (kg)                                       | 0.327                   |

### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288539379  |
| Packaging single length / height (cm) | 22.0           |
| Packaging single width (cm)           | 17.5           |
| Packaging single depth (cm)           | 4.2            |
| DUN14 (outer)                         | 15410288539376 |
| Units per outer package               | 10             |
| Packaging outer length / height (cm)  | 36.5           |
| Packaging outer width (cm)            | 23.0           |
| Packaging outer depth (cm)            | 23.5           |

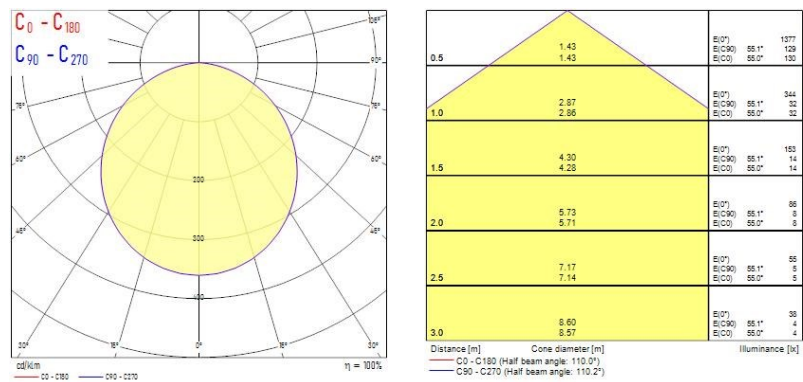
### Safety data

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

## PHOTOMETRY

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TECHNICAL DRAWINGS

