

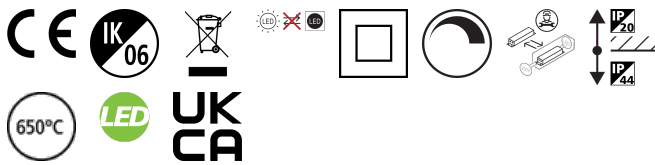
## START eco Downlight Flat IP44 Dimmable 205mm Round Recessed

START eco Downlight Flat 205 IP44 2250lm 840 DIM  
0053944



### 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; 2250Lm; 94Lm/W; 4000K; IP44 rated from the front.



### PRODUCT OVERVIEW

|                                 |  |
|---------------------------------|--|
| Product name                    | START eco Downlight Flat 205 IP44 2250lm 840 DIM |
| Technology                      | LED  |
| Housing                         | Aluminium  |
| Mount                           | Ceiling recessed mounting                        |
| General application             | Hospitality                                      |
| ETIM Class                      | EC001744   |
| Warranty                        | 3 years  |
| Fixture luminous flux (lm)      | 2250   |
| Luminaire efficacy (lm/W)       | 94   |
| Colour temperature (K)          | 4000   |
| 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  |
| LED Flickering Rate             | Ultra low (5% or less)                           |
| Housing colour                  | RAL 9003 - Signal white                          |
| IP rating                       | IP44/20  |
| IK rating                       | IK06   |
| Product EAN number              | 5410288539447                                    |

### DATA TABLE

#### General data

|              |  |
|--------------|--|
| Product name | START eco Downlight Flat 205 IP44 2250lm 840 DIM |
| Technology   | LED  |
| Housing      | Aluminium  |
| Mount        | Ceiling recessed mounting                        |

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|   |              |
|---|--------------|
| 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)      | 2250      |
| Luminaire efficacy (lm/W)       | 94        |
| Colour temperature (K)          | 4000      |
| 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                         |
| 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                         |

### Lifetime data

|                  |       |
|------------------|-------|
| Lifespan L70 B50 | 30000 |
|------------------|-------|

### Physical data

|                |                         |
|----------------|-------------------------|
| Housing colour | RAL 9003 - Signal white |
|----------------|-------------------------|

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|   |         |
|---|---------|
| IP rating   | IP44/20 |
| IK rating   | IK06    |
| Diffuser finish                                   | Opal    |
| Diffuser material                                 | Other   |
| 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)                                       | 0.546   |

### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288539447  |
| Packaging single length / height (cm) | 27.5           |
| Packaging single width (cm)           | 4.3            |
| Packaging single depth (cm)           | 23.0           |
| DUN14 (outer)                         | 15410288539444 |
| Units per outer package               | 10             |
| Packaging outer length / height (cm)  | 48.4           |
| Packaging outer width (cm)            | 24.2           |
| Packaging outer depth (cm)            | 30.2           |

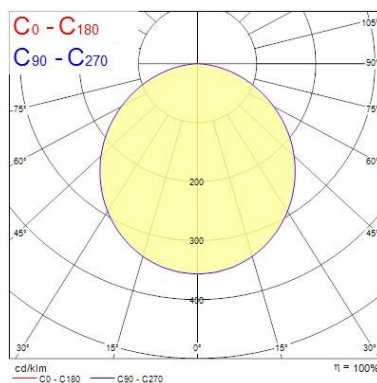
### Safety data

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

## PHOTOMETRY

|     |      |                |             |
|-----|------|----------------|-------------|
| 0.5 | 1.44 | E(0°)<br>E(C0) | 3208<br>298 |
| 1.0 | 2.88 | E(0°)<br>E(C0) | 802<br>75   |
| 1.5 | 4.32 | E(0°)<br>E(C0) | 268<br>33   |
| 2.0 | 5.76 | E(0°)<br>E(C0) | 201<br>19   |
| 2.5 | 7.19 | E(0°)<br>E(C0) | 128<br>12   |
| 3.0 | 8.63 | E(0°)<br>E(C0) | 89<br>8     |

Distance [m]      Cone diameter [m]      Illuminance [lx]  
C0 - C180 (Half beam angle: 110.4°)



## TECHNICAL DRAWINGS

## START eco Downlight Flat IP44 Dimmable 205mm Round Recessed

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