

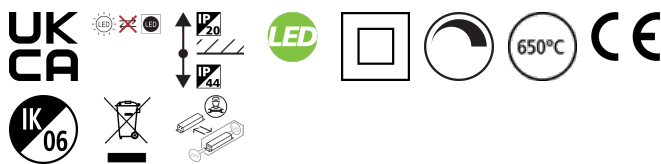
START Downlight Flat IP44 Dimmable 108MM Round Recessed

Start Downlight Flat 108 IP44 600LM 840 DIM  
0054119



Product features

- START Downlight Flat IP44 DIM is an integrated LED recessed downlight with a separate phase dimmable driver and Loop in out box; 7W; 600Lm; 86Lm/W; 4000K; IP44 rated from the front



PRODUCT OVERVIEW

|                                 |                                             |
|---------------------------------|---------------------------------------------|
| Product name                    | Start Downlight Flat 108 IP44 600LM 840 DIM |
| Technology                      | LED                                         |
| Cap/Base                        | N/A                                         |
| Housing                         | Aluminium                                   |
| Mount                           | Ceiling recessed mounting                   |
| General application             | Hospitality                                 |
| ETIM Class                      | EC001744                                    |
| E-number FI                     | 4278491                                     |
| Warranty                        | 5 years                                     |
| Fixture luminous flux (lm)      | 600                                         |
| Luminaire efficacy (lm/W)       | 85                                          |
| Colour temperature (K)          | 4000                                        |
| Light colour                    | Cool White                                  |
| CRI (Ra)                        | 80                                          |
| Colour Variation Initial (SDCM) | SDCM3                                       |
| Beam Angle (°)                  | 120                                         |
| Glare control                   | < 28                                        |
| Photobiological Risk Group      | RG0                                         |
| Total power consumption (W)     | 7                                           |
| 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              | 5410288541198                               |

DATA TABLE

General data

## START Downlight Flat IP44 Dimmable 108MM Round Recessed

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|                                         |                                             |
|-----------------------------------------|---------------------------------------------|
| Product name                            | Start Downlight Flat 108 IP44 600LM 840 DIM |
| Technology                              | LED                                         |
| Cap/Base                                | N/A                                         |
| 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                                    |
| E-number FI                             | 4278491                                     |
| Warranty                                | 5 years                                     |

### Optical data

|                                 |            |
|---------------------------------|------------|
| Fixture luminous flux (lm)      | 600        |
| Luminaire efficacy (lm/W)       | 85         |
| Colour temperature (K)          | 4000       |
| Light colour                    | Cool White |
| CRI (Ra)                        | 80         |
| Colour Variation Initial (SDCM) | SDCM3      |
| Beam Angle (°)                  | 120        |
| Distribution type               | Symmetric  |
| Glare control                   | < 28       |
| Photobiological Risk Group      | RG0        |

### Electrical data

|                                                                |                                |
|----------------------------------------------------------------|--------------------------------|
| Total power consumption (W)                                    | 7                              |
| Primary Supply/Product voltage - min (V)                       | 220                            |
| Primary Supply/Product voltage - max (V)                       | 240                            |
| 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)                                             | 180                            |
| 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. products per 10A C Breaker                                | 133                            |
| Max. products per 13A C Breaker                                | 173                            |
| Max. products per 16A C Breaker                                | 213                            |
| Max. products per 20A C Breaker                                | 267                            |

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|                                                 |      |
|-------------------------------------------------|------|
| Max. products per 10A B Breaker                 | 133  |
| Max. products per 13A B Breaker                 | 173  |
| Max. products per 16A B Breaker                 | 213  |
| Max. products per 20A B Breaker                 | 267  |
| Connectable conductor cross section - Min (mm²) | 0.75 |
| Connectable conductor cross section - Max (mm²) | 1.5  |

### Lifetime data

|                  |       |
|------------------|-------|
| Lifespan L70 B50 | 78000 |
| Lifespan L80 B20 | 43000 |
| Lifespan L80 B10 | 42000 |
| 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          |
| Reflector finish                                  | None                    |
| Nominal Product Height (mm)                       | 21                      |
| Nominal Product Diameter (mm)                     | 120                     |
| Cutout Dimensions (W x L in mm or Diameter in mm) | 108                     |
| Weight (kg)                                       | 0.237                   |

### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288541198  |
| Packaging single length / height (cm) | 19.5           |
| Packaging single width (cm)           | 12.5           |
| Packaging single depth (cm)           | 4.2            |
| DUN14 (outer)                         | 15410288541195 |
| Units per outer package               | 15             |
| Packaging outer length / height (cm)  | 39.0           |
| Packaging outer width (cm)            | 23.0           |
| Packaging outer depth (cm)            | 21.0           |

### Safety data

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

## PHOTOMETRY

START Downlight Flat IP44 Dimmable 108MM Round Recessed

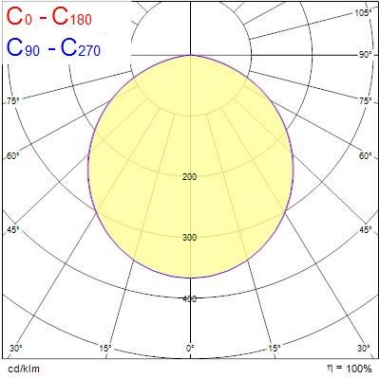
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|     |              |                          |                 |
|-----|--------------|--------------------------|-----------------|
| 0.5 | 1.41<br>1.43 | E(0°)<br>E(C90)<br>E(C0) | 881<br>88<br>83 |
| 1.0 | 2.81<br>2.86 | E(0°)<br>E(C90)<br>E(C0) | 220<br>21<br>21 |
| 1.5 | 4.22<br>4.28 | E(0°)<br>E(C90)<br>E(C0) | 98<br>10<br>9   |
| 2.0 | 5.63<br>5.71 | E(0°)<br>E(C90)<br>E(C0) | 55<br>5<br>5    |
| 2.5 | 7.04<br>7.14 | E(0°)<br>E(C90)<br>E(C0) | 35<br>3<br>3    |
| 3.0 | 8.44<br>8.57 | E(0°)<br>E(C90)<br>E(C0) | 24<br>2<br>2    |

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

— C0 - C180 (Half beam angle: 110.0°)  
— C90 - C270 (Half beam angle: 109.2°)



TECHNICAL DRAWINGS

