

START eco Downlight 145 950lm 830  
0053911



Features

- START eco Downlight is an integrated LED recessed downlight with built-in non dimmable driver; Loop in loop out connector allows for quick installation; 12W; 950Lm; 79Lm/W; 3000K.

Product Overview

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Product name                    | START eco Downlight 145 950lm 830 |
| Technology                      | LED                               |
| Housing                         | PC Polycarbonate                  |
| Mount                           | Ceiling recessed mounting         |
| General application             | Retail                            |
| ETIM Class                      | EC001744                          |
| Fixture luminous flux (lm)      | 950                               |
| Luminaire efficacy (lm/W)       | 79                                |
| Colour temperature (K)          | 3000                              |
| Light colour                    | Warm White                        |
| CRI (Ra)                        | 80                                |
| Colour Variation Initial (SDCM) | 6                                 |
| Beam Angle (°)                  | 110                               |
| Glare control                   | < 28                              |
| Photobiological Risk Group      | RG0                               |
| Total power consumption (W)     | 12                                |
| Electrical protection           | Class II                          |
| Dimmable                        | No                                |
| LED Flickering Rate             | Medium (21% - 40%)                |
| Housing colour                  | RAL 9003 - Signal white           |
| IP rating                       | IP20                              |
| IK rating                       | IK02                              |
| Product EAN number              | 5410288539119                     |

## START eco Downlight 145 950lm 830 0053911

|                |         |
|----------------|---------|
| Warranty       | 3 years |
| Dimming method | N/A     |

### Data table

#### GENERAL DATA

|                                         |                                   |
|-----------------------------------------|-----------------------------------|
| Product name                            | START eco Downlight 145 950lm 830 |
| Technology                              | LED                               |
| Housing                                 | PC Polycarbonate                  |
| Mount                                   | Ceiling recessed mounting         |
| General application                     | Retail                            |
| 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)      | 950        |
| Luminaire efficacy (lm/W)       | 79         |
| Colour temperature (K)          | 3000       |
| Light colour                    | Warm White |
| CRI (Ra)                        | 80         |
| Colour Variation Initial (SDCM) | 6          |
| Beam Angle (°)                  | 110        |
| Distribution type               | Symmetric  |
| Glare control                   | < 28       |
| Photobiological Risk Group      | RG0        |

#### ELECTRICAL DATA

|                             |          |
|-----------------------------|----------|
| Total power consumption (W) | 12       |
| Mains voltage (V)           | 220-240V |
| Lamp power factor           | 0.5      |

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|                                                                       |                    |
|-----------------------------------------------------------------------|--------------------|
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) $\leq$ xx.x % | 115.0              |
| Electrical protection                                                 | Class II           |
| Control gear required                                                 | No                 |
| Dimmable                                                              | No                 |
| Dimming method                                                        | N/A                |
| Drive current (mA)                                                    | 85                 |
| Inrush Current (A)                                                    | 9                  |
| Inrush Duration ( $\mu$ s)                                            | 180                |
| Glow Wire Test ( $^{\circ}$ C)                                        | 650                |
| Energy Efficiency Class (A->G) of contained light source              | F                  |
| Nominal Frequency (Hz)                                                | 50/60Hz            |
| LED Flickering Rate                                                   | Medium (21% - 40%) |
| Max. Luminaires per 10A C Breaker                                     | 109                |
| Max. Luminaires per 13A C Breaker                                     | 142                |
| Max. Luminaires per 16A C Breaker                                     | 175                |
| Max. Luminaires per 20A C Breaker                                     | 220                |
| Max. Luminaires per 10A B Breaker                                     | 64                 |
| Max. Luminaires per 13A B Breaker                                     | 84                 |
| Max. Luminaires per 16A B Breaker                                     | 104                |
| Max. Luminaires per 20A B Breaker                                     | 131                |

### LIFETIME DATA

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

### PHYSICAL DATA

|                               |                         |
|-------------------------------|-------------------------|
| Housing colour                | RAL 9003 - Signal white |
| IP rating                     | IP20                    |
| IK rating                     | IK02                    |
| Diffuser finish               | Opal                    |
| Diffuser material             | PC Polycarbonate        |
| Nominal Product Height (mm)   | 38                      |
| Nominal Product Diameter (mm) | 165                     |

## START eco Downlight 145 950lm 830 0053911

|                                                   |     |
|---------------------------------------------------|-----|
| Cutout Dimensions (W x L in mm or Diameter in mm) | 145 |
| Weight (kg)                                       | 0.1 |

### PACKAGING

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288539119  |
| Packaging single length / height (cm) | 16.8           |
| Packaging single width (cm)           | 4.5            |
| Packaging single depth (cm)           | 17.0           |
| DUN14 (outer)                         | 15410288539116 |
| Units per outer package               | 30             |
| Packaging outer length / height (cm)  | 52.0           |
| Packaging outer width (cm)            | 35.5           |
| Packaging outer depth (cm)            | 25.0           |

### SAFETY DATA

|                                     |        |
|-------------------------------------|--------|
| Optimal operating condition (°C)    | -20-40 |
| Special purpose lamp                | No     |
| Dry applications use only           | No     |
| Suitable for household illumination | No     |