

START Downlight 225 IP54 2350Lm 830 DALI  
0030338



Features

• Ceiling recessed LED downlight IP54 (from the front), with only 65mm product depth and 225mm cutout. Supplied with DALI Tridonic push dim driver with loop in - out option (2800671). Ideal replacement for 2x26W CFL downlights. The polycarbonate diffuser allows for a wider light distribution and increased spacings between luminaires. Die-cast aluminium body, 23W, 3000K, Driver Current: 650mA, CRI80, 74° beam angle, IP54 from the front, IK07, (HxW) 65x225mm, Class 2, 220-240V. Meets TP(a) requirements.

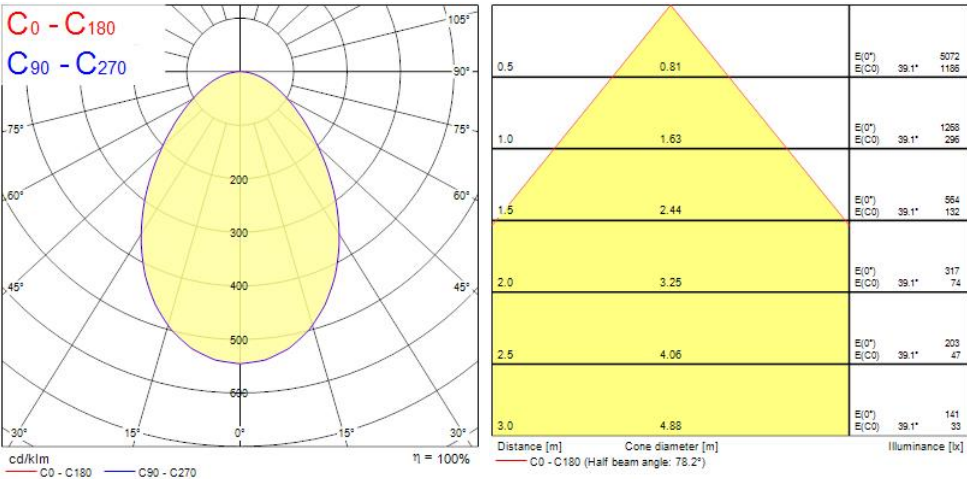
Product Overview

|                                   |                                           |
|-----------------------------------|-------------------------------------------|
| Product name                      | START Downlight 225 IP54 2350Lm 830 DALI  |
| Technology                        | LED                                       |
| Cap/Base                          | N/A                                       |
| Housing                           | Aluminium                                 |
| Mount                             | Ceiling recessed mounting                 |
| General application               | Hospitality, Logistics & Industry, Office |
| ETIM Class                        | EC001744                                  |
| E-number FI                       | 4278167                                   |
| Fixture luminous flux (lm)        | 2350                                      |
| Luminaire efficacy (lm/W)         | 102                                       |
| LOR (%)                           | 100                                       |
| Correlated colour temperature (k) | 3000                                      |
| Light colour                      | Warm White                                |
| CRI (Ra)                          | 80                                        |
| Colour Variation Initial (SDCM)   | 3                                         |
| Beam Angle (°)                    | 74                                        |
| Glare control                     | < 25                                      |
| Photobiological Risk Group        | RG0                                       |
| Total power consumption (W)       | 23                                        |
| Electrical protection             | Class II                                  |
| Control gear type                 | LED driver constant current               |

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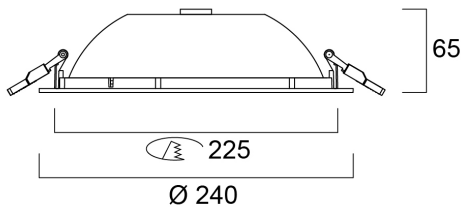
|                           |                                        |
|---------------------------|----------------------------------------|
| Dimmable                  | Yes                                    |
| Minimum dimming level (%) | 1                                      |
| LED Flickering Rate       | Ultra low (5% or less)                 |
| Housing colour            | RAL9010                                |
| IP rating                 | IP54/20                                |
| IK rating                 | IK07                                   |
| Product EAN number        | 5410288303383                          |
| Warranty                  | 5 years                                |
| Dimming method            | DALI, DALI-2, Switch-dim (mains-rated) |

Photometry



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Technical drawings



Data table

GENERAL DATA

|                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| Product name                            | START Downlight 225 IP54 2350Lm 830 DALI  |
| Technology                              | LED                                       |
| Cap/Base                                | N/A                                       |
| Housing                                 | Aluminium                                 |
| Mount                                   | Ceiling recessed mounting                 |
| General application                     | Hospitality, Logistics & Industry, Office |
| Operating temperature range (°C)        | -10°C...+40°C                             |
| Performance ambient temperature Tq (°C) | 25                                        |
| ETIM Class                              | EC001744                                  |
| E-number FI                             | 4278167                                   |
| Warranty                                | 5 years                                   |

OPTICAL DATA

|                            |      |
|----------------------------|------|
| Fixture luminous flux (lm) | 2350 |
| Luminaire efficacy (lm/W)  | 102  |

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|                                   |            |
|-----------------------------------|------------|
| LOR (%)                           | 100        |
| Correlated colour temperature (k) | 3000       |
| Light colour                      | Warm White |
| CRI (Ra)                          | 80         |
| Colour Variation Initial (SDCM)   | 3          |
| Adjustable chromaticity           | N          |
| Beam Angle (°)                    | 74         |
| Distribution type                 | Symmetric  |
| Glare control                     | < 25       |
| Photobiological Risk Group        | RG0        |

### ELECTRICAL DATA

|                                                                  |                                        |
|------------------------------------------------------------------|----------------------------------------|
| Total power consumption (W)                                      | 23                                     |
| Primary Supply/Product voltage - min (V)                         | 220.0                                  |
| Primary Supply/Product voltage - max (V)                         | 240.0                                  |
| Lamp power factor                                                | 0.96                                   |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x % | 20                                     |
| Electrical protection                                            | Class II                               |
| Control gear required                                            | No                                     |
| Control gear type                                                | LED driver constant current            |
| No. Of switching cycles before premature failures                | >100000                                |
| Dimmable                                                         | Yes                                    |
| Dimming method                                                   | DALI, DALI-2, Switch-dim (mains-rated) |
| Minimum dimming level (%)                                        | 1                                      |
| Drive current (mA)                                               | 650                                    |
| Inrush Current (A)                                               | 25                                     |
| Inrush Duration (µs)                                             | 140                                    |
| Energy Efficiency Class (A->G) of contained light source         | E                                      |
| Nominal Frequency (Hz)                                           | 50/60Hz                                |
| LED Flickering Rate                                              | Ultra low (5% or less)                 |
| Max. products per 10A C Breaker                                  | 31                                     |
| Max. products per 13A C Breaker                                  | 40                                     |

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|                                                                 |     |
|-----------------------------------------------------------------|-----|
| Max. products per 16A C Breaker                                 | 51  |
| Max. products per 20A C Breaker                                 | 66  |
| Max. products per 10A B Breaker                                 | 19  |
| Max. products per 13A B Breaker                                 | 24  |
| Max. products per 16A B Breaker                                 | 31  |
| Max. products per 20A B Breaker                                 | 40  |
| Connectable conductor cross section -<br>Min (mm <sup>2</sup> ) | 0.5 |
| Connectable conductor cross section -<br>Max (mm <sup>2</sup> ) | 2.5 |

### LIFETIME DATA

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L80 B20 | 74000  |
| Lifespan L90 B10 | 34000  |

### PHYSICAL DATA

|                               |                  |
|-------------------------------|------------------|
| Housing colour                | RAL9010          |
| IP rating                     | IP54/20          |
| IK rating                     | IK07             |
| Diffuser finish               | Opal             |
| Diffuser material             | PC Polycarbonate |
| Reflector finish              | High-gloss       |
| Nominal Product Height (mm)   | 65               |
| Nominal Product Diameter (mm) | 240              |
| Weight (kg)                   | 0.56             |
| Recessed Depth (mm)           | 150              |

### PACKAGING

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5410288303383  |
| Packaging single length / height (cm) | 25.8           |
| Packaging single width (cm)           | 25.8           |
| Packaging single depth (cm)           | 10.0           |
| DUN14 (inner)                         | 15410288303380 |



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|                                      |      |
|--------------------------------------|------|
| Units per outer package              | 12   |
| Packaging outer length / height (cm) | 53.0 |
| Packaging outer width (cm)           | 53.0 |
| Packaging outer depth (cm)           | 32.5 |

SAFETY DATA

|                                     |        |
|-------------------------------------|--------|
| Glow Wire Test (°C)                 | 850    |
| Optimal operating condition (°C)    | -10-40 |
| Special purpose lamp                | No     |
| Dry applications use only           | No     |
| Suitable for household illumination | No     |