

## START Downlight IP20 220 Surface Mounted

### START Downlight 220 2025lm 840 Surface

#### 0030447



#### Product features

- Surface mounted LED downlight with diameter size of 220mm. Ideal replacement for 1x42W CFL downlights. The polycarbonate diffuser allows for a wider light distribution and increased spacings between luminaires. Loop in loop out connector allows for quick installation. Die-cast aluminium body, 2025LM, 4000K, Driver Current: 600mA, CRI80, Non-dimmable LED driver, IP20, IK07, (HxW) 94x220mm, Class 2, 220-240V. Meets TP(a) requirements.



### PRODUCT OVERVIEW

|                                 |                                           |
|---------------------------------|-------------------------------------------|
| Product name                    | START Downlight 220 2025lm 840 Surface    |
| Technology                      | LED                                       |
| Cap/Base                        | N/A                                       |
| Housing                         | Aluminium                                 |
| Mount                           | Ceiling surface mounting                  |
| General application             | Hospitality, Logistics & Industry, Office |
| ETIM Class                      | EC001744                                  |
| Warranty                        | 5 years                                   |
| Fixture luminous flux (lm)      | 2025                                      |
| Luminous flux (lm)              | 2025                                      |
| Luminaire efficacy (lm/W)       | 101                                       |
| Colour temperature (K)          | 4000                                      |
| Light colour                    | Neutral White                             |
| CRI (Ra)                        | 80                                        |
| Colour Variation Initial (SDCM) | SDCM5                                     |
| Beam Angle (°)                  | 74                                        |
| Glare control                   | < 25                                      |
| Photobiological Risk Group      | RG0                                       |
| Total power consumption (W)     | 20                                        |
| Electrical protection           | Class II                                  |
| Control gear type               | LED driver constant current               |
| Dimmable                        | No                                        |
| Dimming method                  | N/A                                       |
| LED Flickering Rate             | Ultra low (5% or less)                    |
| Housing colour                  | RAL 9003 - Signal white                   |
| IP rating                       | IP20                                      |
| IK rating                       | IK07                                      |
| Product EAN number              | 5410288304472                             |

### DATA TABLE

#### General data

|              |                                        |
|--------------|----------------------------------------|
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|--------------|----------------------------------------|

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|                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| Technology                              | LED                                       |
| Cap/Base                                | N/A                                       |
| Housing                                 | Aluminium                                 |
| Mount                                   | Ceiling surface mounting                  |
| General application                     | Hospitality, Logistics & Industry, Office |
| Operating temperature range (°C)        | -10°C...+25°C                             |
| Performance ambient temperature Tq (°C) | 25                                        |
| ETIM Class                              | EC001744                                  |
| Warranty                                | 5 years                                   |

### Optical data

|                                 |               |
|---------------------------------|---------------|
| Fixture luminous flux (lm)      | 2025          |
| Luminous flux (lm)              | 2025          |
| Luminaire efficacy (lm/W)       | 101           |
| Colour temperature (K)          | 4000          |
| Light colour                    | Neutral White |
| CRI (Ra)                        | 80            |
| Colour Variation Initial (SDCM) | SDCM5         |
| Beam Angle (°)                  | 74            |
| Distribution type               | Symmetric     |
| Glare control                   | < 25          |
| Photobiological Risk Group      | RG0           |

### Electrical data

|                                                                |                             |
|----------------------------------------------------------------|-----------------------------|
| Total power consumption (W)                                    | 20                          |
| 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                          |
| Electrical protection                                          | Class II                    |
| Control gear required                                          | No                          |
| Control gear type                                              | LED driver constant current |
| No. Of switching cycles before premature failures              | >100000                     |
| Transformer required                                           | No                          |
| Dimmable                                                       | No                          |
| Dimming method                                                 | N/A                         |
| Drive current (mA)                                             | 600                         |
| Inrush Current (A)                                             | 17.2                        |
| Inrush Duration (µs)                                           | 200                         |
| Glow Wire Test (°C)                                            | 850                         |
| Energy Efficiency Class (A->G) of contained light source       | E                           |
| Nominal Frequency (Hz)                                         | 50/60Hz                     |
| LED Flickering Rate                                            | Ultra low (5% or less)      |
| Max. Luminaires per 10A C Breaker                              | 22                          |
| Max. Luminaires per 13A C Breaker                              | 27                          |
| Max. Luminaires per 16A C Breaker                              | 34                          |
| Max. Luminaires per 20A C Breaker                              | 42                          |

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|                                   |    |
|-----------------------------------|----|
| Max. Luminaires per 10A B Breaker | 13 |
| Max. Luminaires per 13A B Breaker | 16 |
| Max. Luminaires per 16A B Breaker | 20 |
| Max. Luminaires per 20A B Breaker | 25 |

### Lifetime data

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

### Physical data

|                               |                         |
|-------------------------------|-------------------------|
| Housing colour                | RAL 9003 - Signal white |
| IP rating                     | IP20                    |
| IK rating                     | IK07                    |
| Diffuser finish               | Opal                    |
| Diffuser material             | PC Polycarbonate        |
| Reflector finish              | High-gloss              |
| Nominal Product Height (mm)   | 95                      |
| Nominal Product Diameter (mm) | 220                     |
| Weight (kg)                   | 0.802                   |

### Packaging

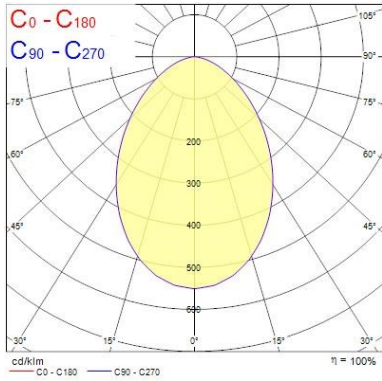
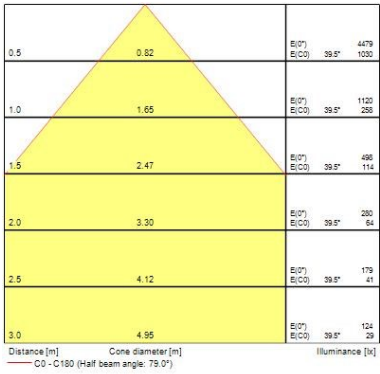
|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5410288304472  |
| Packaging single length / height (cm) | 22.0           |
| Packaging single width (cm)           | 22.0           |
| Packaging single depth (cm)           | 10.3           |
| DUN14 (outer)                         | 15410288304479 |
| Units per outer package               | 8              |
| Packaging outer length / height (cm)  | 45.5           |
| Packaging outer width (cm)            | 23.5           |
| Packaging outer depth (cm)            | 43.0           |

### Safety data

|                                  |        |
|----------------------------------|--------|
| Optimal operating condition (°C) | -10-25 |
|----------------------------------|--------|

## PHOTOMETRY

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TECHNICAL DRAWINGS

