

### Features

- START Waterproof Slim is a LED integrated polycarbonate housing luminaire with easy to access electrical terminal through bayonet lock end caps and tool-free electrical connection due to push-in terminal. Flexible installation as mounting brackets can be positioned freely on the luminaire. 7300 / 3800lm (selected by DIP switch), 52.5 / 26W, 139 / 146lm/W and 100,000 hours lifespan L70B50. SDCM < 5; IP66; IK08; Class II; 1540mm x 70mm x 73mm.

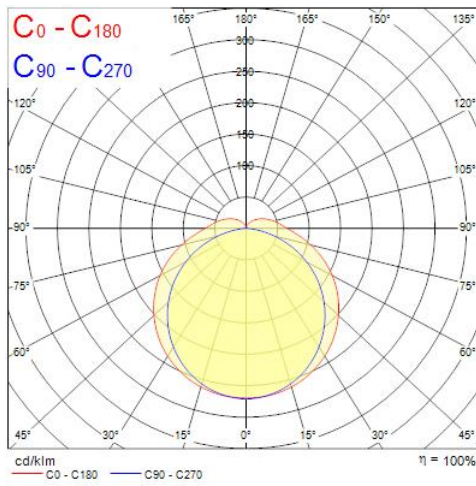
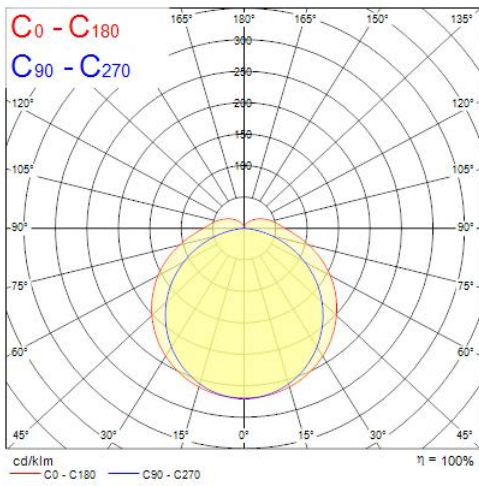
### Product Overview

|                                   |   |
|-----------------------------------|---|
| Product name                      | START Waterproof Slim 1500 IP66 3800/7300lm 840 |
| Technology                        | LED   |
| Cap/Base                          | N/A   |
| Housing                           | PC Polycarbonate                                |
| Mount                             | Ceiling surface mounting, Wall surface mounted  |
| General application               | Logistics & Industry                            |
| ETIM Class                        | EC002892  |
| E-number FI                       | 4357161   |
| Fixture luminous flux (lm)        | 7300  |
| Luminaire efficacy (lm/W)         | 139   |
| Correlated colour temperature (k) | 4000  |
| Light colour                      | Neutral White                                   |
| CRI (Ra)                          | 80  |
| Colour Variation Initial (SDCM)   | 5   |
| Beam Angle (°)                    | 120   |
| Photobiological Risk Group        | RG0   |
| Total power consumption (W)       | 52.5  |
| Electrical protection             | Class II  |
| Control gear type                 | LED driver constant current                     |
| Dimmable                          | Yes with restrictions                           |

## START Waterproof Slim 1500 IP66 3800/7300lm 840 0046427

|                     |                        |
|---------------------|------------------------|
| LED Flickering Rate | Ultra low (5% or less) |
| Housing colour      | RAL 7035 - Light grey  |
| IP rating           | IP66                   |
| IK rating           | IK08                   |
| Product EAN number  | 5410288464275          |
| Warranty            | 5 years                |
| Dimming method      | Other                  |

### Photometry



| Distance [m] | Cone diameter [m] | E(0°) | E(C90)       | E(C0)        | Illuminance [lx] |
|--------------|-------------------|-------|--------------|--------------|------------------|
| 0.5          | 1.43<br>2.40      | 7874  | 55.1°<br>742 | 67.4°<br>224 |                  |
| 1.0          | 2.87<br>4.80      | 1968  | 55.1°<br>198 | 67.4°<br>55  |                  |
| 1.5          | 4.30<br>7.21      | 875   | 55.1°<br>82  | 67.4°<br>25  |                  |
| 2.0          | 5.73<br>9.61      | 492   | 55.1°<br>45  | 67.4°<br>14  |                  |
| 2.5          | 7.17<br>12.01     | 315   | 55.1°<br>30  | 67.4°<br>9   |                  |
| 3.0          | 8.60<br>14.41     | 219   | 55.1°<br>21  | 67.4°<br>6   |                  |

Distance [m] Cone diameter [m] Illuminance [lx]  
 — C0 - C180 (Half beam angle: 134.8°)  
 — C90 - C270 (Half beam angle: 110.2°)

| Distance [m] | Cone diameter [m] | E(0°) | E(C90)       | E(C0)        | Illuminance [lx] |
|--------------|-------------------|-------|--------------|--------------|------------------|
| 0.5          | 1.43<br>2.40      | 4099  | 55.1°<br>336 | 67.4°<br>116 |                  |
| 1.0          | 2.87<br>4.80      | 1025  | 55.1°<br>97  | 67.4°<br>29  |                  |
| 1.5          | 4.30<br>7.21      | 455   | 55.1°<br>43  | 67.4°<br>13  |                  |
| 2.0          | 5.73<br>9.61      | 256   | 55.1°<br>24  | 67.4°<br>7   |                  |
| 2.5          | 7.17<br>12.01     | 164   | 55.1°<br>16  | 67.4°<br>5   |                  |
| 3.0          | 8.60<br>14.41     | 114   | 55.1°<br>11  | 67.4°<br>3   |                  |

Distance [m] Cone diameter [m] Illuminance [lx]  
 — C0 - C180 (Half beam angle: 134.8°)  
 — C90 - C270 (Half beam angle: 110.2°)

### Technical drawings



### Data table

#### GENERAL DATA

|                                  |   |
|----------------------------------|---|
| Product name                     | START Waterproof Slim 1500 IP66 3800/7300lm 840 |
| Technology                       | LED   |
| Cap/Base                         | N/A   |
| Housing                          | PC Polycarbonate                                |
| Mount                            | Ceiling surface mounting, Wall surface mounted  |
| General application              | Logistics & Industry                            |
| Operating temperature range (°C) | -25°C...+50°C                                   |
| ETIM Class                       | EC002892  |
| E-number FI                      | 4357161   |
| Warranty                         | 5 years   |

#### OPTICAL DATA

|                                   |               |
|-----------------------------------|---------------|
| Fixture luminous flux (lm)        | 7300          |
| Luminaire efficacy (lm/W)         | 139           |
| Correlated colour temperature (k) | 4000          |
| Light colour                      | Neutral White |
| CRI (Ra)                          | 80            |
| Colour Variation Initial (SDCM)   | 5             |
| Beam Angle (°)                    | 120           |
| Distribution type                 | Symmetric     |

## START Waterproof Slim 1500 IP66 3800/7300lm 840 0046427

Photobiological Risk Group RG0

### ELECTRICAL DATA

|   |                             |
|---|-----------------------------|
| Total power consumption (W)   | 52.5                        |
| Primary Supply/Product voltage - min (V)                              | 220.0                       |
| Primary Supply/Product voltage - max (V)                              | 240.0                       |
| Lamp power factor   | 0.9                         |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) $\leq$ 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                     | >50000                      |
| Dimmable  | Yes with restrictions       |
| Dimming method  | Other                       |
| Drive current (mA)  | 300                         |
| Inrush Current (A)  | 27                          |
| Inrush Duration ( $\mu$ s)  | 260                         |
| Glow Wire Test ( $^{\circ}$ C)  | 850                         |
| Energy Efficiency Class (A->G) of contained light source              | C                           |
| Nominal Frequency (Hz)  | 50/60Hz                     |
| LED Flickering Rate   | Ultra low (5% or less)      |
| Max. products per 10A C Breaker                                       | 9                           |
| Max. products per 13A C Breaker                                       | 11                          |
| Max. products per 16A C Breaker                                       | 14                          |
| Max. products per 20A C Breaker                                       | 16                          |
| Max. products per 10A B Breaker                                       | 8                           |
| Max. products per 13A B Breaker                                       | 8                           |
| Max. products per 16A B Breaker                                       | 9                           |
| Max. products per 20A B Breaker                                       | 11                          |
| Connectable conductor cross section - Max (mm <sup>2</sup> )          | 1.5                         |

## START Waterproof Slim 1500 IP66 3800/7300lm 840 0046427

### LIFETIME DATA

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L80 B50 | 100000 |

### PHYSICAL DATA

|                             |                       |
|-----------------------------|-----------------------|
| Housing colour              | RAL 7035 - Light grey |
| IP rating                   | IP66                  |
| IK rating                   | IK08                  |
| Diffuser finish             | Opal                  |
| Diffuser material           | PC Polycarbonate      |
| Nominal Product Length (mm) | 1540                  |
| Nominal Product Width (mm)  | 70                    |
| Nominal Product Height (mm) | 73                    |
| Weight (kg)                 | 1.534                 |

### PACKAGING

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5410288464275  |
| Packaging single length / height (cm) | 154.7          |
| Packaging single width (cm)           | 7.9            |
| Packaging single depth (cm)           | 7.6            |
| DUN14 (inner)                         | 15410288464272 |
| Units per outer package               | 6              |
| Packaging outer length / height (cm)  | 156.2          |
| Packaging outer width (cm)            | 17.3           |
| Packaging outer depth (cm)            | 26.3           |

### SAFETY DATA

|                                     |        |
|-------------------------------------|--------|
| Optimal operating condition (°C)    | -25-50 |
| Special purpose lamp                | No     |
| Dry applications use only           | No     |
| Suitable for household illumination | No     |