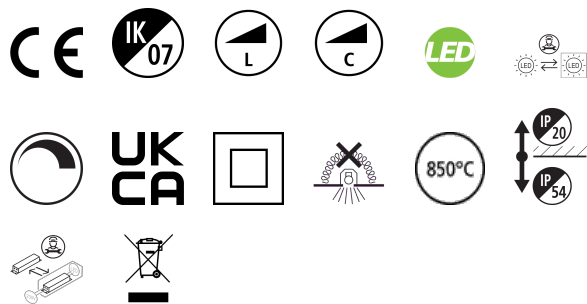


# START Downlight 90 IP54 880Lm 840 DIM

Item No: 0030380

**SYLVANIA**

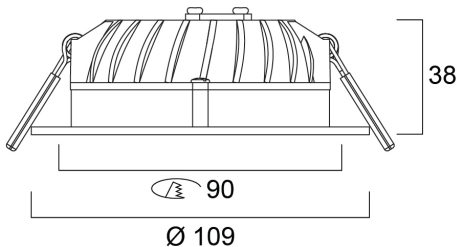
**START**<sup>TM</sup>



Ceiling recessed LED downlight IP54 (from the front) with phase dimmable driver, perfect where limited ceiling void is available with only 38mm product depth and 90mm cutout. 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, 880LM, 4000K, Driver Current: 250mA, CRI80, 80° beam angle, IP54 from the front, IK07, (HxW) 38x109mm, Class 2, 220-240V. Meets TP(a) requirements.

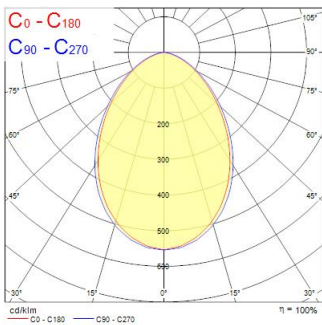
## Technical Assets

### Dimensions (mm)



### Photometrics

| Distance (m) | Cone diameter (m) | Beam angle (°) | Beam diameter (m) | Beam diameter (ft) | Illuminance (lx) |
|--------------|-------------------|----------------|-------------------|--------------------|------------------|
| 0.5          | 0.85<br>0.81      | 80°<br>77.9°   | 1.70<br>1.61      | 5.58<br>5.28       | 1950<br>2080     |
| 1.0          | 1.70<br>1.61      | 80°<br>77.9°   | 3.40<br>3.23      | 11.15<br>10.56     | 490<br>519       |
| 1.5          | 2.55<br>2.42      | 80°<br>77.9°   | 5.10<br>4.84      | 16.73<br>15.88     | 215<br>228       |
| 2.0          | 3.40<br>3.23      | 80°<br>77.9°   | 6.80<br>6.46      | 22.31<br>21.12     | 158<br>168       |
| 2.5          | 4.25<br>4.03      | 80°<br>77.9°   | 8.50<br>7.99      | 27.94<br>26.21     | 127<br>135       |
| 3.0          | 5.11<br>4.84      | 80°<br>77.9°   | 10.22<br>9.68     | 33.54<br>31.51     | 84<br>90         |



# START Downlight 90 IP54 880Lm 840 DIM

Item No: 0030380

**SYLVANIA**

## General data

|                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| Product name                            | START Downlight 90 IP54 880Lm 840 DIM     |
| Technology                              | LED                                       |
| Cap/Base                                | N/A                                       |
| Housing                                 | Aluminium                                 |
| Mount                                   | Ceiling recessed mounting                 |
| Built in presence detector              | NONE                                      |
| General application                     | Hospitality, Logistics & Industry, Office |
| Operating temperature range (°C)        | -10°C...+40°C                             |
| Performance ambient temperature Tq (°C) | 40                                        |
| Virtual assistant compatibility         | N/A                                       |
| ETIM Class                              | EC001744                                  |
| E-number FI                             | 4278449                                   |
| Warranty                                | 5 years                                   |

## Optical data

|                                   |               |
|-----------------------------------|---------------|
| Fixture luminous flux (lm)        | 880           |
| Luminaire efficacy (lm/W)         | 106           |
| Correlated colour temperature (k) | 4000          |
| Light colour                      | Neutral White |
| CRI (Ra)                          | 80            |
| Colour Variation Initial (SDCM)   | SDCM3         |
| Beam Angle (°)                    | 80            |
| Distribution type                 | Symmetric     |
| Glare control                     | < 28          |
| Photobiological Risk Group        | RG0           |

## Electrical data

|                                                                  |                                |
|------------------------------------------------------------------|--------------------------------|
| Emergency type                                                   |                                |
| Total power consumption (W)                                      | 8.3                            |
| 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) ≤ xx.x % | 20.0                           |
| 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                                                   | Mains: leading / trailing edge |
| Drive current (mA)                                               | 250                            |
| Inrush Current (A)                                               | 7.5                            |
| Inrush Duration (µs)                                             | 80                             |
| Energy Efficiency Class (A->G) of contained light source         | C                              |
| Nominal Frequency (Hz)                                           | 50/60Hz                        |
| LED Flickering Rate                                              | Low (6% - 20%)                 |
| Max. products per 10A C Breaker                                  | 60                             |
| Max. products per 13A C Breaker                                  | 75                             |
| Max. products per 16A C Breaker                                  | 93                             |
| Max. products per 20A C Breaker                                  | 102                            |
| Max. products per 16A B Breaker                                  | 60                             |
| Connectable conductor cross section - Min (mm²)                  | 0.5                            |
| Connectable conductor cross section - Max (mm²)                  | 1.5                            |

# START Downlight 90 IP54 880Lm 840 DIM

Item No: 0030380



## Lifetime data

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 100000 |
| Lifespan L70 B20 | 100000 |
| Lifespan L70 B10 | 100000 |
| Lifespan L80 B50 | 78000  |
| Lifespan L80 B20 | 74000  |
| Lifespan L80 B10 | 72000  |
| Lifespan L90 B50 | 38000  |
| Lifespan L90 B20 | 36000  |
| Lifespan L90 B10 | 34000  |

## Physical data

|                               |                       |
|-------------------------------|-----------------------|
| Housing colour                | RAL 9010 - Pure white |
| IP rating                     | IP54/20               |
| IK rating                     | IK07                  |
| Diffuser finish               | Frosted               |
| Diffuser material             | PC Polycarbonate      |
| Reflector finish              | Not Applicable        |
| Nominal Product Height (mm)   | 38                    |
| Nominal Product Diameter (mm) | 109                   |
| Weight (kg)                   | 0.261                 |

## Packaging

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5410288303802  |
| Packaging single length / height (cm) | 16.2           |
| Packaging single width (cm)           | 15.0           |
| Packaging single depth (cm)           | 6.5            |
| DUN14 (inner)                         | 15410288303809 |
| Units per outer package               | 20             |
| Packaging outer length / height (cm)  | 34.0           |
| Packaging outer width (cm)            | 31.5           |
| Packaging outer depth (cm)            | 34.5           |

## Safety data

|                                  |        |
|----------------------------------|--------|
| Glow Wire Test (°C)              | 850    |
| Optimal operating condition (°C) | -10-40 |