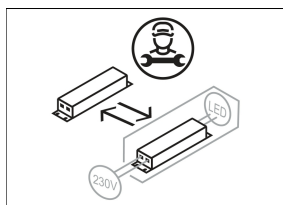
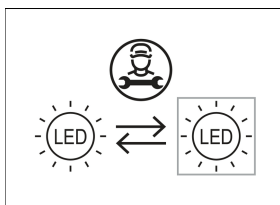
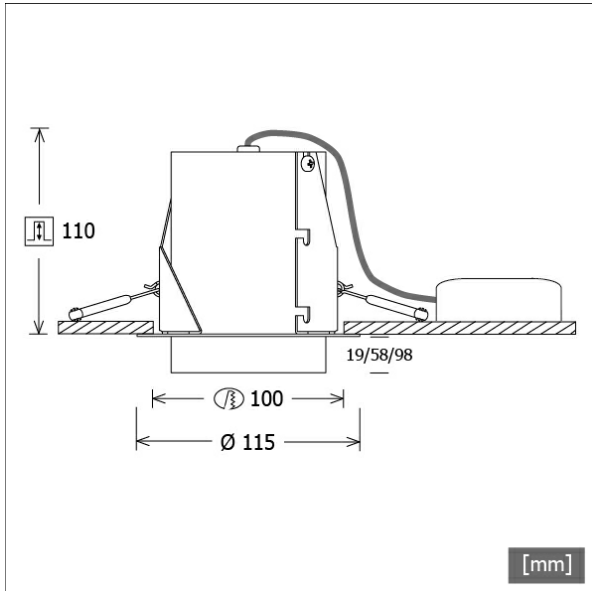




# TORL 351.827.45/DALI



| Colours | Article no. | EAN           |
|---------|-------------|---------------|
| silver  | 661259      | 4043544701541 |
| black   | 661260      | 4043544701558 |
| white   | 661261      | 4043544701565 |



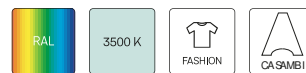
## Description

- recessed downlight with protruding light-head
- light-head can be preadjusted in three positions (19/58/98 mm)
- outstanding ease of maintenance
- no UV and thermal emissions
- thermal management via housing
- specular aluminium reflector with precise symmetrical beam characteristic for high luminous efficiency and glare-free lighting
- cylindrical housing made from aluminium
- recessed ring made from sheet steel
- clear safety glass
- tool-free ceiling mounting via quick-action clamping springs (adjustable ceiling thickness 1 - 20 mm or 10 - 40 mm)
- connection to ballast via luminaire cable with Mini-Clamp connector
- ballast (LED converter DALI, dimmable) included (external placement)

## Standard options



## Special options



## Lighting data / Norms

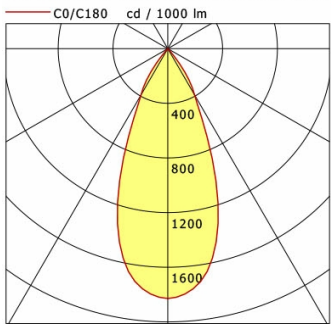
|                                |                            |
|--------------------------------|----------------------------|
| <b>Lamps</b>                   | LED Spot / CRI 80 / 2700 K |
| <b>EPREL light sources</b>     | 848120                     |
|                                | L90 B50 50.000 h           |
|                                | L80 B50 100.000 h          |
|                                | L80 B20 50.000 h           |
| <b>Lifetime</b>                |                            |
| <b>System power</b>            | 13.0 W                     |
| <b>Luminaire luminous flux</b> | 1230 lm                    |
| <b>System efficiency</b>       | 94.61 lm/W                 |
| <b>Module efficiency</b>       | 127.18 lm/W                |
| <b>UGR class</b>               | ≤19                        |
| <b>Beam angle</b>              | 45°                        |
| <b>Supply voltage</b>          | 220 - 240 V / 50 - 60 Hz   |
| <b>Protection class</b>        | III                        |
| <b>Type of protection</b>      | IP20                       |

## Dimensions / Weights

|                               |               |
|-------------------------------|---------------|
| <b>Outer diameter</b>         | 115 mm        |
| <b>Height</b>                 | 118 mm        |
| <b>Cut-out (Ø)</b>            | 100 mm        |
| <b>Ceiling thickness</b>      | 1.0 - 20.0 mm |
| <b>Recessed depth</b>         | 110 mm        |
| <b>Diameter of light head</b> | 80 mm         |
| <b>Net weight</b>             | 0.85 kg       |
| <b>Gross weight</b>           | 0.89 kg       |

# TORL 351.827.45/DALI

Torpedo 350 (1xLED 13W 827/2700K 1230lm 45 °)



|              | C0   | C90  | C180 | C270 |
|--------------|------|------|------|------|
| 0°           | 1829 | 1829 | 1829 | 1829 |
| 15°          | 1398 | 1398 | 1398 | 1398 |
| 30°          | 391  | 391  | 391  | 391  |
| 45°          | 5    | 5    | 5    | 5    |
| 60°          | 0    | 0    | 0    | 0    |
| 75°          | 0    | 0    | 0    | 0    |
| 90°          | 0    | 0    | 0    | 0    |
| cd / 1000 lm |      |      |      |      |

| Offset [m]    | Cone width [m] | Illuminance [lx] |
|---------------|----------------|------------------|
| C0-C180 Plane |                |                  |
| 3.0           | 2.35           | 250.0            |
| 6.0           | 4.70           | 62.5             |
| 9.0           | 7.05           | 27.8             |
| 12.0          | 9.40           | 15.6             |
| 15.0          | 11.75          | 10.0             |

|                    |                    |
|--------------------|--------------------|
| <b>η</b>           | LED                |
| Efficiency         | 95 lm/W            |
| Direct/Indirect    | ↓ 100% / ↑ 0%      |
| System Power       | 13 W               |
| <b>UGR</b>         | X=4H, Y=8H         |
| Reflection factors | 70/50/20           |
| UGR C0/C180        | 17.3               |
| UGR C90/C270       | 17.3               |
| CIE Flux Codes     | 99 100 100 100 100 |
| Ra/CRI             | >80                |

LTS

## Accessories



**ZB-OR DONGLE**  
Organic Response IR dongle kit



**ZB-OR GATEWAY**  
Organic Response IoT Gateway Cascade Series



**ZB-OR-R SENSOR**  
Organic Response sensor for recessed mounting



**ZBW 85**  
honeycomb louvre