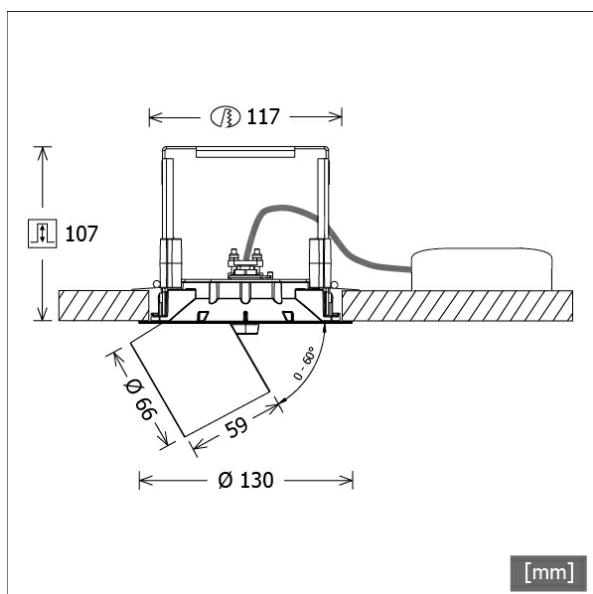


# ORYO-R 101.940.45



| Colours | Article no. | EAN           |
|---------|-------------|---------------|
| black   | 664124      | 4043544732569 |
| white   | 664125      | 4043544732576 |
| silver  | 664597      | 4043544737328 |



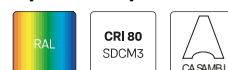
## Description

- flexible filigree recessed spotlight with slightly conical light-head
- light-head extracts, rotates through 355° and pivots through 60° via articulated arm
- outstanding ease of maintenance
- no UV and thermal emissions
- anti-glare shield and decorative anti-glare ring available as accessories
- light-head made from die-cast aluminium
- innovative thermal management with design-integrated passive cooling
- high performance specular aluminium reflector with precise symmetrical beam characteristic for high luminous efficiency and glare-free lighting
- black internal thermoplastic front ring
- recessed frame made from die-cast zinc and sheet steel
- concealing plate for ceiling opening
- clear acrylic safety glass
- tool-free ceiling mounting via automatic quick clamping (automatic adjustment of the ceiling thickness)
- luminaire and ballast permanently connected via cable (length: 500 mm), ballast ready for mains connection
- ballast (LED converter) included (external placement)

## Standard options



## Special options



## Lighting data / Norms

|                         |                            |
|-------------------------|----------------------------|
| Lamps                   | LED Spot / CRI 90 / 4000 K |
| EPREL light sources     | 854571                     |
|                         | L90 B50 50.000 h           |
|                         | L80 B50 100.000 h          |
|                         | L80 B20 50.000 h           |
| Lifetime                |                            |
| System power            | 20.0 W                     |
| Luminaire luminous flux | 1940 lm                    |
| System efficiency       | 97.00 lm/W                 |
| Module efficiency       | 140.95 lm/W                |
| UGR class               | ≤22                        |
| Beam range              | Wide Flood                 |
| Beam angle              | 46°                        |
| Supply voltage          | 220 - 240 V / 50 - 60 Hz   |
| Protection class        | II                         |
| Type of protection      | IP20                       |

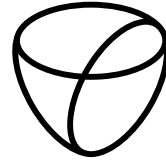
## Dimensions / Weights

|                        |               |
|------------------------|---------------|
| Outer diameter         | 130 mm        |
| Height                 | 108 mm        |
| Cut-out (Ø)            | 117 mm        |
| Ceiling thickness      | 9.0 - 50.0 mm |
| Recessed depth         | 107 mm        |
| Diameter of light head | 66 mm         |

Recessed Spotlights · ORYO 100 Recessed

ORYO-R 101.940.45

Net weight  
Gross weight



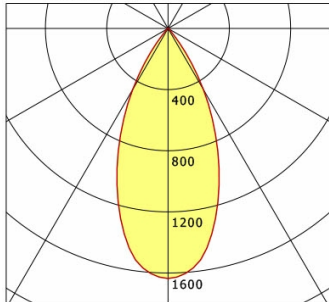
LTS  
LOVE TO SHINE

0.92 kg  
1.03 kg

# ORYO-R 101.940.45

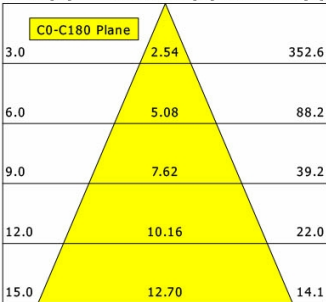
Oryo 100 | Recessed (1xLED 20W 940/4000K 1940lm 45 °)

C0/C180 cd / 1000 lm



|              | C0   | C90  | C180 | C270 |
|--------------|------|------|------|------|
| 0°           | 1636 | 1636 | 1636 | 1636 |
| 15°          | 1232 | 1232 | 1232 | 1232 |
| 30°          | 461  | 461  | 461  | 461  |
| 45°          | 24   | 24   | 24   | 24   |
| 60°          | 8    | 8    | 8    | 8    |
| 75°          | 2    | 2    | 2    | 2    |
| 90°          | 0    | 0    | 0    | 0    |
| cd / 1000 lm |      |      |      |      |

Offset [m] Cone width [m] Illuminance [lx]



|                    |                   |
|--------------------|-------------------|
| <b>η</b>           | LED               |
| Efficiency         | 97 lm/W           |
| Direct/Indirect    | ↓ 100% / ↑ 0%     |
| System Power       | 20 W              |
| <b>UGR</b>         | X=4H, Y=8H        |
| Reflection factors | 70/50/20          |
| UGR C0/C180        | 21.7              |
| UGR C90/C270       | 21.7              |
| CIE Flux Codes     | 96 99 100 100 100 |
| Ra/CRI             | >90               |

LTS

## Accessories



**ZB-AGS 001**  
anti-glare shield



**ZB-DAR 001**  
decorative anti-glare ring



**ZBW 88**  
honeycomb louvre