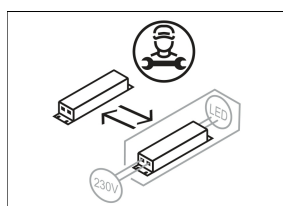
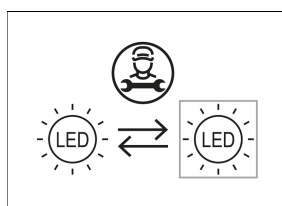
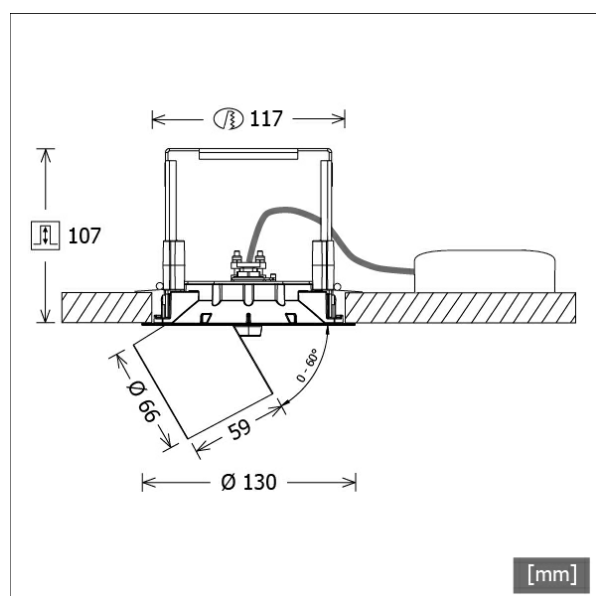


ORYO-R 101.930.45



Colours	Article no.	EAN
black	664112	4043544732446
white	664113	4043544732453
silver	664591	4043544737267



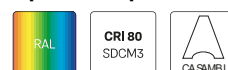
Description

- 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 / 3000 K
EPREL light sources	851296
	L90 B50 50.000 h
	L80 B50 100.000 h
	L80 B20 50.000 h
Lifetime	
System power	20.0 W
Luminaire luminous flux	1840 lm
System efficiency	92.00 lm/W
Module efficiency	134.21 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

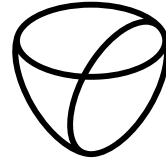
Dimensions / Weights

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 101.930.45

Net weight
Gross weight

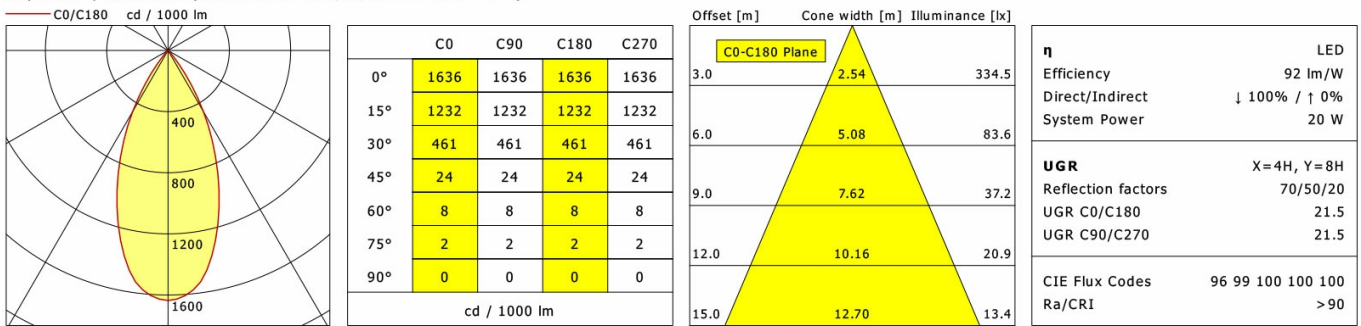


LTS
LOVE TO SHINE

0.92 kg
1.03 kg

ORYO-R 101.930.45

Oryo 100 | Recessed (1xLED 20W 930/3000K 1840lm 45 °)



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

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	2.54	334.5
6.0	5.08	83.6
9.0	7.62	37.2
12.0	10.16	20.9
15.0	12.70	13.4

C0-C180 Plane

η

Efficiency LED 92 lm/W

Direct/Indirect ↓ 100% / ↑ 0%

System Power 20 W

UGR X=4H, Y=8H

Reflection factors 70/50/20

UGR C0/C180 21.5

UGR C90/C270 21.5

CIE Flux Codes 96 99 100 100 100

Ra/CRI >90

Accessories



ZB-AGS 001
anti-glare shield



ZB-DAR 001
decorative anti-glare ring



ZBW 88
honeycomb louvre