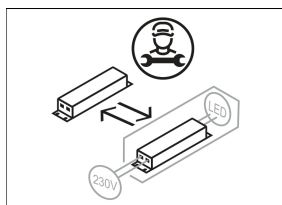
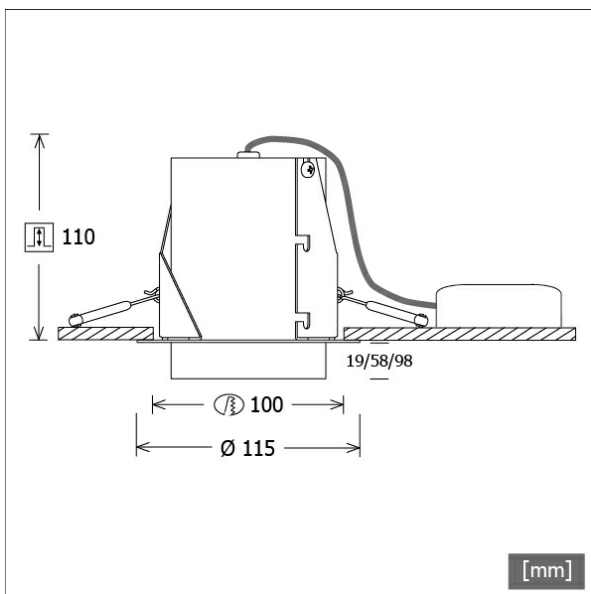


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Colours	Article no.	EAN
silver	661280	4043544701756
black	661281	4043544701763
white	661282	4043544701770



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) included (external placement)

Standard options



Special options



Lighting data / Norms

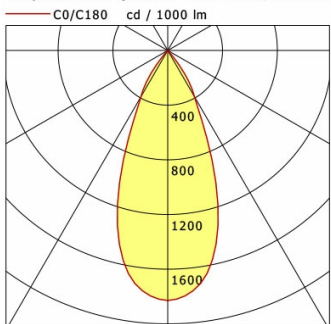
Lamps	LED Spot / CRI 80 / 3000 K
EPREL light sources	851239
Lifetime	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
System power	13.0 W
Luminaire luminous flux	1290 lm
System efficiency	99.23 lm/W
Module efficiency	158.91 lm/W
UGR class	≤19
Beam angle	45°
Supply voltage	220 - 240 V / 50 - 60 Hz
Protection class	III
Type of protection	IP20

Dimensions / Weights

Outer diameter	115 mm
Height	118 mm
Cut-out (Ø)	100 mm
Ceiling thickness	1.0 - 20.0 mm
Recessed depth	110 mm
Diameter of light head	80 mm
Net weight	0.83 kg
Gross weight	0.87 kg

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Torpedo 350 (1xLED 13W 830/3000K 1290lm 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	262.2
6.0	4.70	65.5
9.0	7.05	29.1
12.0	9.40	16.4
15.0	11.75	10.5

η	LED
Efficiency	99 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	13 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.4
UGR C90/C270	17.4
CIE Flux Codes	99 100 100 100 100
Ra/CRI	>80

LTS

Accessories



ZBW 85
honeycomb louvre