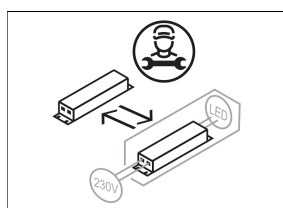
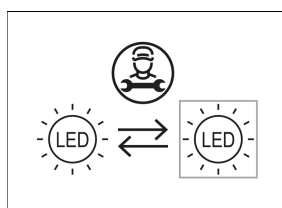
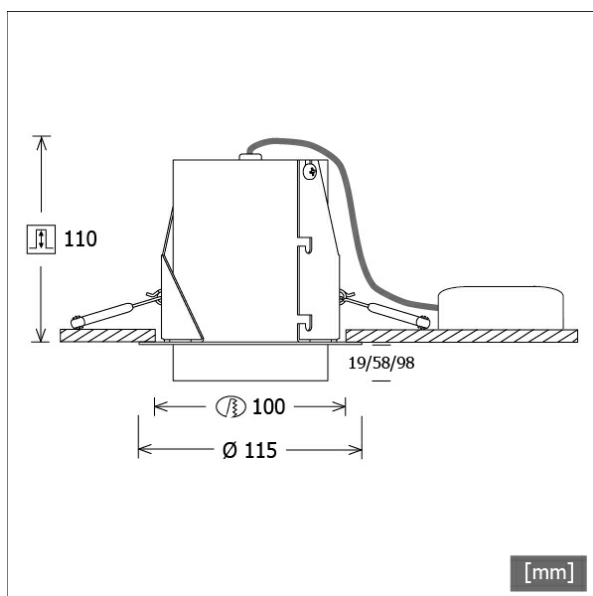


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Colours	Article no.	EAN
silver	661268	4043544701633
black	661269	4043544701640
white	661270	4043544701657



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	1320 lm
System efficiency	101.53 lm/W
Module efficiency	158.91 lm/W
UGR class	≤19
Beam angle	25°
Supply voltage	220 - 240 V / 50 - 60 Hz
Protection class	III
Type of protection	IP20

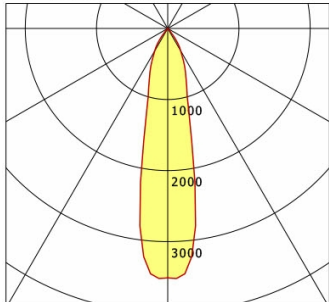
Dimensions / Weights

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 1320lm 25 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	3510	3510	3510	3510
15°	1099	1099	1099	1099
30°	363	363	363	363
45°	2	2	2	2
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	1.23	514.9
6.0	2.46	128.7
9.0	3.70	57.2
12.0	4.93	32.2
15.0	6.16	20.6

η	LED
Efficiency	102 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	13 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	16.9
UGR C90/C270	16.9
CIE Flux Codes	100 100 100 100 100
Ra/CRI	>80

LTS

Accessories



ZBW 85
honeycomb louvre