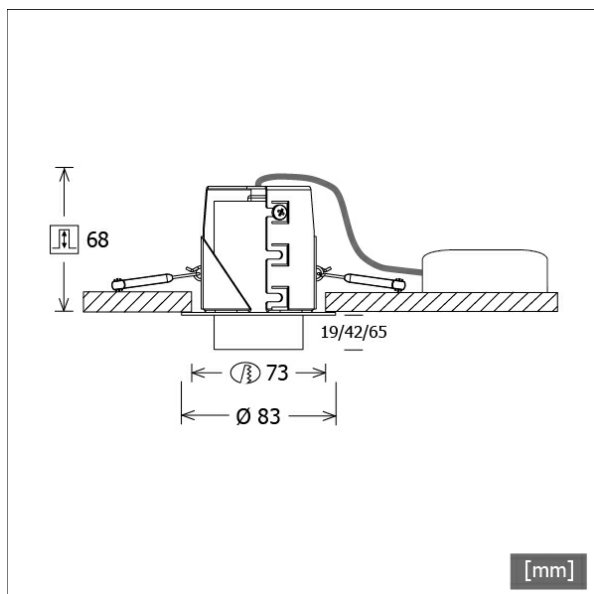


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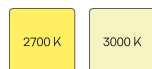
Colours	Article no.	EAN
silver	661228	4043544701220
black	661229	4043544701237
white	661230	4043544701244



Description

- recessed downlight with protruding light-head
- light-head can be preadjusted in three positions (19/42/65 mm)
- outstanding ease of maintenance
- no UV and thermal emissions
- thermal management via housing
- high-tech reflector lense made from PMMA for high luminous efficiency and glare-free lighting
- cylindrical housing made from aluminium
- recessed ring made from sheet steel
- 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 / 4000 K
Lifetime	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
System power	12.0 W
Luminaire luminous flux	1090 lm
System efficiency	90.83 lm/W
Module efficiency	160.65 lm/W
UGR class	≤19
Beam angle	25°
Supply voltage	220 - 240 V / 50 - 60 Hz
Protection class	III
Type of protection	IP20

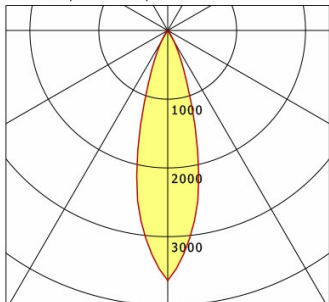
Dimensions / Weights

Outer diameter	83 mm
Height	88 mm
Cut-out (Ø)	73 mm
Ceiling thickness	1.0 - 20.0 mm
Recessed depth	68 mm
Diameter of light head	48 mm
Net weight	0.50 kg
Gross weight	0.53 kg

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Torpedo 250 (1xLED 12W 827/2700K 1090lm 25 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	3638	3638	3638	3638
15°	1611	1611	1611	1611
30°	188	188	188	188
45°	25	25	25	25
60°	8	8	8	8
75°	1	1	1	1
90°	0	0	0	0
cd / 1000 lm				

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

C0-C180 Plane		
3.0	1.48	440.6
6.0	2.97	110.2
9.0	4.45	49.0
12.0	5.93	27.5
15.0	7.41	17.6

η	LED
Efficiency	91 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	12 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	16.9
UGR C90/C270	16.9
CIE Flux Codes	97 99 100 100 100
Ra/CRI	>80

LTS