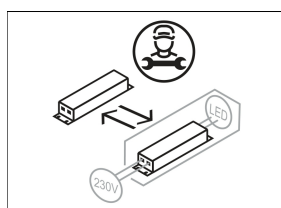
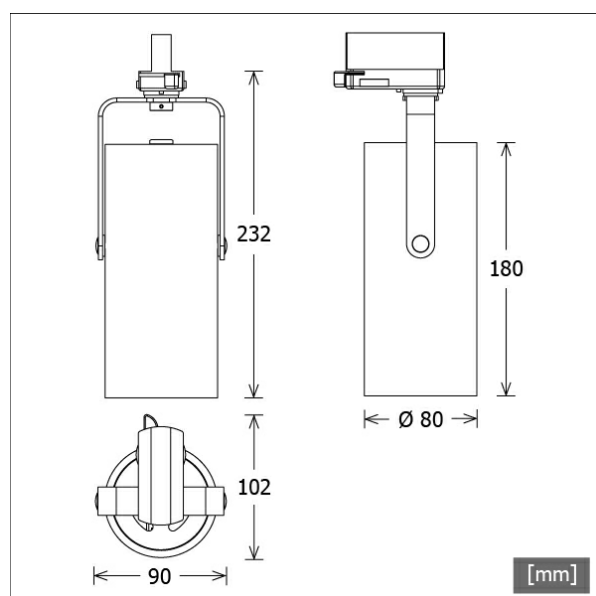


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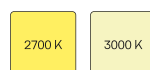
Colours	Article no.	EAN
black	657011	4043544659033
silver	657012	4043544659040
white	657013	4043544659057



Description

- flexible track-mounted spotlight in compact cylindrical design
- luminaire rotates through 350° and pivots through 180° via U-bracket
- 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
- housing cylinder and U-bracket made from aluminium
- clear safety glass
- 3-phase track adapter DALI (Eutrac)
- ballast (LED converter DALI, dimmable) integrated

Standard options



Special options



Lighting data / Norms

Lamps	LED Spot / CRI 80 / 4000 K
EPREL light sources	848119
	L90 B50 50.000 h
	L80 B50 100.000 h
	L80 B20 50.000 h
Lifetime	
System power	13.0 W
Luminaire luminous flux	1370 lm
System efficiency	105.38 lm/W
Module efficiency	160.37 lm/W
UGR class	≤19
Beam angle	15°
Supply voltage	220 - 240 V / 50 - 60 Hz
Protection class	I
Type of protection	IP20

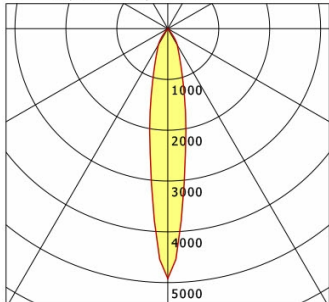
Dimensions / Weights

Length	102 mm
Width	90 mm
Height	232 mm
Diameter of light head	80 mm
Net weight	0.92 kg
Gross weight	1.06 kg

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Torpedo 300 (1xLED 13W 840/4000K 1370lm 15 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	4920	4920	4920	4920
15°	1201	1201	1201	1201
30°	371	371	371	371
45°	3	3	3	3
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]

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	0.86	749.0
6.0	1.73	187.2
9.0	2.59	83.2
12.0	3.45	46.8
15.0	4.31	30.0

η	LED
Efficiency	105 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	13 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.0
UGR C90/C270	17.0
CIE Flux Codes	100 100 100 100 100
Ra/CRI	>80

LTS

Accessories



ZBK 12
anti-glare flaps



ZBW 85
honeycomb louvre