

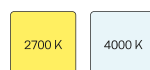
## TORL 301.830.45.2/DALI-ST



## 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 (ONETrack)
- ballast (LED converter DALI, dimmable) integrated

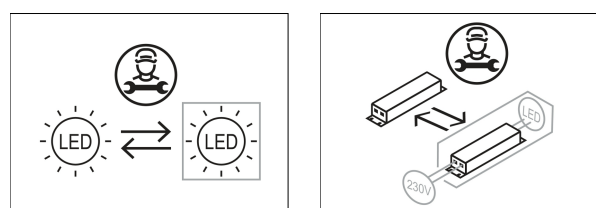
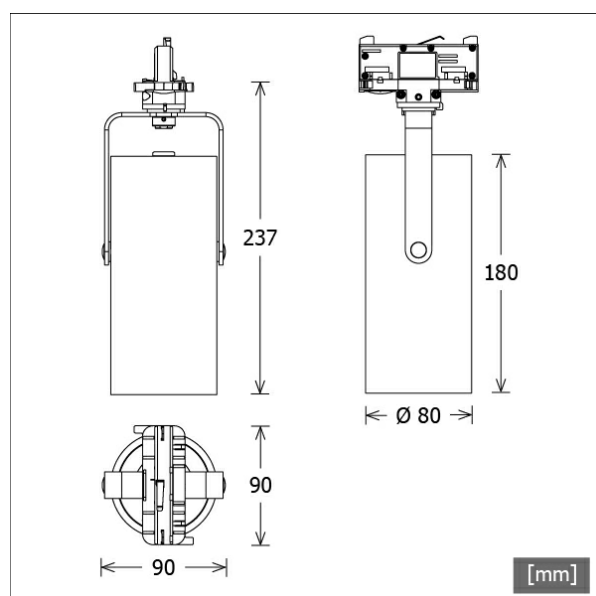
## Standard options



## Special options



Colours	Article no.	EAN
silver	662466	4043544715135
black	662467	4043544715142
white	662468	4043544715159



## Lighting data / Norms

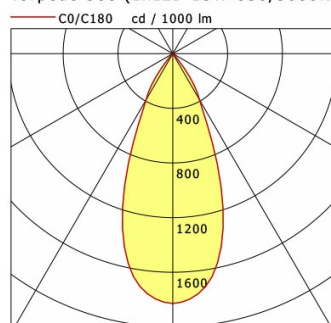
Lamps	LED Spot / CRI 80 / 3000 K
EPREL light sources	848117
Lifetime	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
System power	13.0 W
Luminaire luminous flux	1290 lm
System efficiency	99.23 lm/W
Module efficiency	156.64 lm/W
UGR class	≤19
Beam angle	45°
Supply voltage	220 - 240 V / 50 - 60 Hz
Protection class	I
Type of protection	IP20

## Dimensions / Weights

Length	90 mm
Width	90 mm
Height	237 mm
Diameter of light head	80 mm
Net weight	0.98 kg
Gross weight	1.12 kg

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Torpedo 300 (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]
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

<b>η</b>	LED
Efficiency	99 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	13 W
<b>UGR</b>	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



**ST-A 10/9000A-1-ST**  
 surface-mounted track ONETrack Advance with data bus  
 (length: 1000 mm)



**ST-A 20/9000A-2-ST**  
 surface-mounted track ONETrack Advance with data bus  
 (length: 2000 mm)



**ST-A 30/9000A-3-ST**  
 surface-mounted track ONETrack Advance with data bus  
 (length: 3000 mm)



**ST-A 40/9000A-4-ST**  
 surface-mounted track ONETrack Advance with data bus  
 (length: 4000 mm)



**ST-A MONO/9000-BPU-D**  
 3-phase surface-mounted monopoint with bus option



**ST-E 10/9000-1-R**  
 recessed track ONETrack with data bus  
 (length: 1000 mm)



**ST-E 20/9000-2-R**  
 recessed track ONETrack with data bus  
 (length: 2000 mm)



**ST-E 30/9000-3-R**  
 recessed track ONETrack with data bus  
 (length: 3000 mm)



**ST-E 40/9000-4-R**  
 recessed track ONETrack with data bus  
 (length: 4000 mm)



**ST-E MONO/9000-BPU-D**  
 3-phase recessed monopoint with bus option



**ZB-OR DONGLE**  
 Organic Response IR dongle kit



**ZB-OR GATEWAY**  
 Organic Response IoT Gateway Cascade Series

Track-Mounted Spotlights · Torpedo 300



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## Accessories



**ZB-OR-T SENSOR**  
Organic Response sensor for track mounting



**ZBK 12**  
anti-glare flaps



**ZBW 85**  
honeycomb louvre