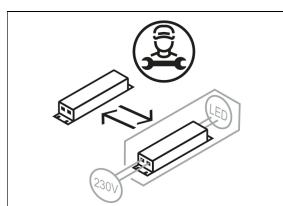
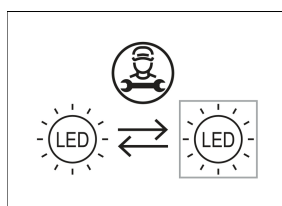
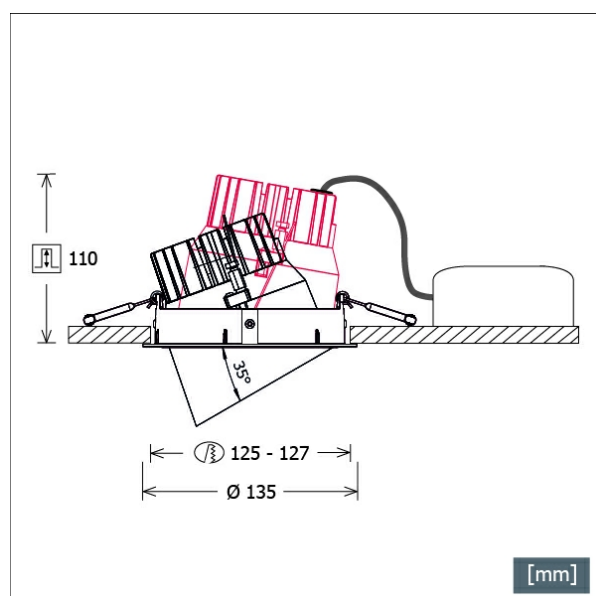


CSA-R 502.930.SP/DALI



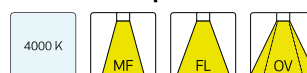
Colours	Article no.	EAN
silver	668186	4043544798459
black	668187	4043544798466
white	668188	4043544798473



Description

- recessed spotlight with conical light-head made from die-cast aluminium
- suitable for lighting of vertical surfaces
- luminaire rotates through 355° and light-head pivots out through 35°
- outstanding ease of maintenance
- no UV and thermal emissions
- innovative thermal management with passive cooling (heat sink made from die-cast aluminium)
- specular aluminium reflector with precise symmetrical beam characteristic for high luminous efficiency and glare-free lighting
- front ring made from die-cast aluminium
- light-head with filigree black polycarbonate inner ring for additional glare control
- tool-free ceiling mounting via quick-action clamping springs (automatic adjustment of the ceiling thickness)
- luminaire and ballast permanently connected via cable (length: 500 mm), ballast ready for mains connection
- ballast (LED converter DALI, dimmable) included (external placement)

Standard options



Special options



Lighting data / Norms

Lamps	LED Spot / CRI 90 / 3000 K
Lifetime	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
System power	19.7 W
Luminaire luminous flux	2550 lm
System efficiency	129.94 lm/W
Module efficiency	137.00 lm/W
UGR class	≤19
Beam range	Spot
Beam angle	16°
Supply voltage	220 - 240 V / 50 - 60 Hz
Protection class	II
Type of protection	IP20

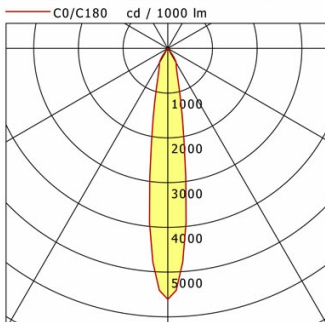
Dimensions / Weights

Outer diameter	135 mm
Height	109 mm
Cut-out (Ø)	125 mm
Ceiling thickness	3.0 - 26.0 mm
Recessed depth	110 mm
Net weight	0.72 kg
Gross weight	0.78 kg

CSA-R 502.930.SP/DALI

CSA-R 502.930.SP/DALI

CSA 50 Generation 2 (1xLED 20W 930/3000K 2550lm 16°)



	C0	C90	C180	C270
0°	5609	5609	5609	5609
15°	1039	1039	1039	1039
30°	372	372	372	372
45°	11	11	11	11
60°	9	9	9	9
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	0.87	1589.1
6.0	1.74	397.3
9.0	2.61	176.6
12.0	3.48	99.3
15.0	4.35	63.6

η	LED
Efficiency	128 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	20 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	18.4
UGR C90/C270	18.4
CIE Flux Codes	98 100 100 100 100
Ra/CRI	>90

LTS

Accessories



ZB-OR DONGLE
Organic Response IR dongle kit



ZB-OR GATEWAY
Organic Response IoT Gateway Cascade Series



ZB-OR-R SENSOR
Organic Response sensor for recessed mounting



ZDAR 125.145-205
compensation ring for ceiling cut-outs from 145 to 205 mm