



THORN
LIGHTING

CESAR OPERA
(DRIVE OVER)

LIGHTING IN PERFECT HARMONY

LIGHTING IN PERFECT HARMONY

Need a drive-over in-ground recessed luminaire? No problem, Cesar Opera is here. Cesar Opera drive over features a shallow recessing depth, a stainless steel front bezel, high mechanical resistance mixed with excellent lighting performance and tiltable optics.

Four different beam angles are available from narrow beams to soft and diffused effects. A wider beam is also available thanks to the double inner reflector and COB LED.

Cesar Opera drive over has a vast number of variants making the product family relevant to applications requiring discreet marker lighting, through to high power grazing applications.

With options including recessed light engine and cross louvres for excellent glare control. Robust and tough, Cesar Opera (Drive Over) boasts an impressive maximum load capacity of 5000 kg at 30 km/h across all sizes.

This range is available as Non-Dim (On/Off) driver on-board, or a separate remote DALI-2 driver can be purchased for Small and Medium sizes whilst the Large and Extra Large variants come with DALI-2 on-board.



CESAR OPERA

FEATURES

SHAPE AND SIZES

Cesar Opera drive over is a round in-ground luminaire available in four sizes (Small to Extra Large) with a stainless steel outer ring material.

LIGHT QUALITY

COB and high power LEDs offer precise light distribution and CRI 90.

CONTROLLABILITY

Cesar Opera drive over is available in Non-Dim, DALI-2 on-board (Large and Extra Large) and for Small and Medium, a remote DALI-2 driver can be ordered separately.

DURABILITY

Cesar Opera is rated IK10 and IP67.
Corrosion Class C3.

HOUSING COLOUR

Housing colour available in White (R9016), Black (R9005), Light Grey (R9006), Anthracite Grey (G9005).

WIRING

Luminaire supplied pre-wired with 0.5 m HO7RN-F cable.

TECHNICAL DESCRIPTION

Die-cast aluminium housing with high corrosion resistance.

Marine grade stainless steel AISI 316L
3 mm thick front bezel.

Toughened glass diffuser 12 mm thick for small, 15 mm thick for Medium, 19 mm thick for Large and Extra Large.

Stainless steel A4 screws.

Silicone gaskets.

Double Powder Paint process.

Supplied with polypropylene recessing box.

Electrical Class I.

3SDCM.

Risk Class RG1.

Operating Ambient Temperatures -20°C to $+50^{\circ}\text{C}$.

Lifetime 70 000 Hrs L80 B10 Ta 25°C / 50 000 Hrs L80 B10 Ta 40°C .

Max load capacity 5000 kg at 30 km/h.

CERTIFICATION



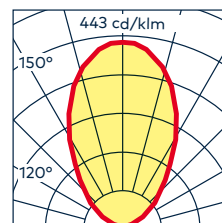
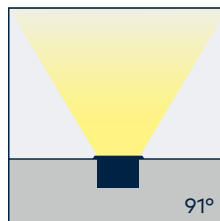
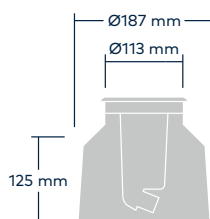


PHOTOMETRIC SUMMARY

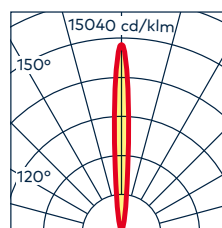
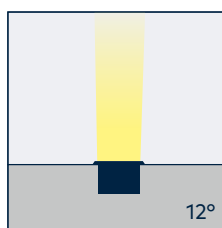
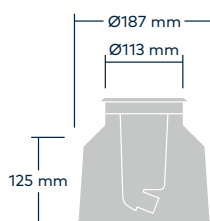
Size	Colour temp	No. of LEDs	Beam angle	Lumen output (lm)	Power (W)	Rated input power (W)	Luminaire efficacy (lm/W)
Small	2700 K	1	Wide Beam (91°)	19	1.1	2.2	8.64
	3000 K			20			9.09
	4000 K			22			10.00
	2700 K	1	Narrow Beam (12°)	181	2.2	3.65	49.59
	3000 K			192			52.60
	4000 K			197			53.97
Medium	2700 K	3	Wide Beam (70°)	26	3	4.3	6.05
	3000 K			28			6.51
	4000 K			30			6.98
	2700 K	4	Narrow Beam (12°)	449	6	7.1	63.24
	3000 K			488			68.73
	4000 K			498			70.14
	2700 K		Asymmetric	449			63.24
	3000 K			488			68.73
	4000 K			498			70.14
	2700 K	1	Medium Beam (31°)	411	6.6	8.7	47.24
	3000 K			434			49.89
	4000 K			458			52.64
Large	2700 K	24	Wide Beam (79°)	156	8.7	10.2	15.29
	3000 K			165			16.18
	4000 K			178			17.45
	2700 K	9	Narrow Beam (11°)	1011	14.8	16.6	60.90
	3000 K			1143			68.86
	4000 K			1179			71.02
	2700 K		Asymmetric	1083			65.24
	3000 K			1188			71.57
	4000 K			1250			75.3
	2700 K	1	Medium Beam (25°)	940	11.5	13.8	68.12
	3000 K			973			70.51
	4000 K			1027			74.42
Extra Large	2700 K	30	Wide Beam (85°)	263	9	11.1	23.69
	3000 K			289			26.04
	4000 K			320			28.83
	2700 K	16	Narrow Beam (11°)	2229	31.1	33	67.55
	3000 K			2427			73.55
	4000 K			2636			79.88
	2700 K		Asymmetric	2377			72.03
	3000 K			2407			72.94
	4000 K			2672			80.97
	2700 K	1	Medium Beam (29°)	2515	27.2	33.2	75.75
	3000 K			2602			78.37
	4000 K			2790			84.04

CESAR OPERA

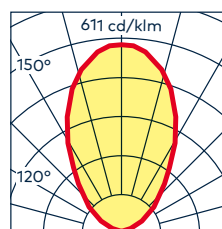
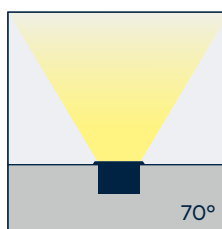
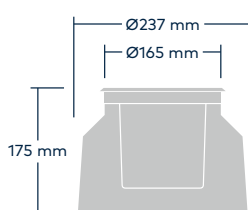
SMALL (WIDE BEAM)



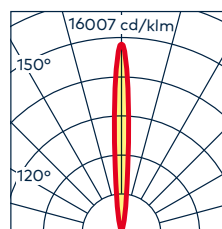
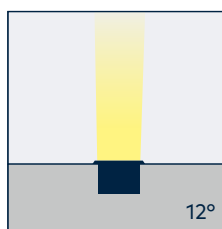
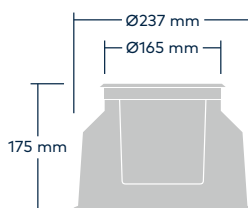
SMALL (NARROW BEAM)



MEDIUM (WIDE BEAM)

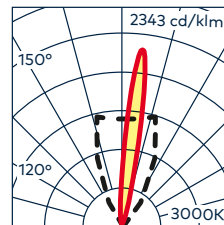
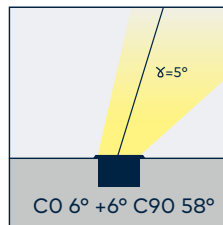
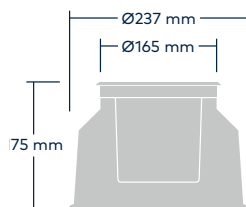


MEDIUM (NARROW BEAM)

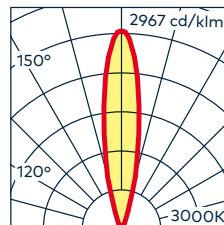
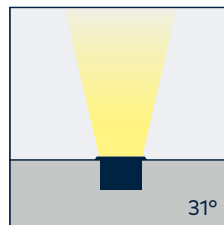
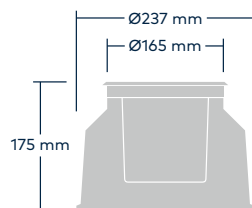


CESAR OPERA

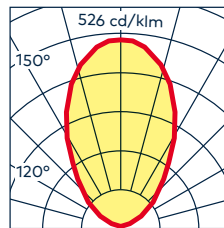
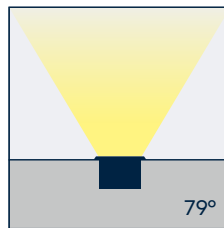
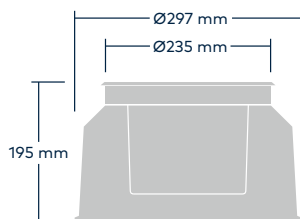
MEDIUM (ASYMMETRIC BEAM)



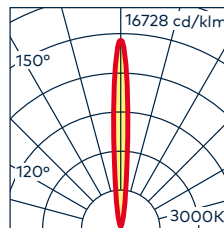
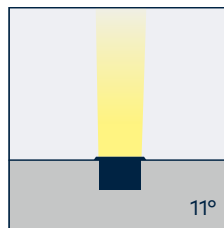
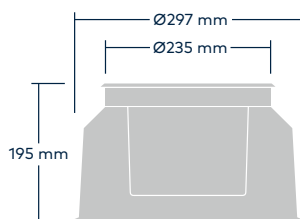
MEDIUM (MEDIUM BEAM)



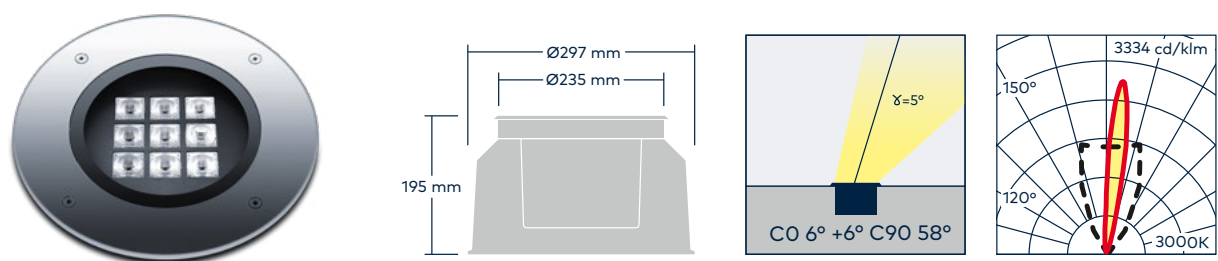
LARGE (WIDE BEAM)



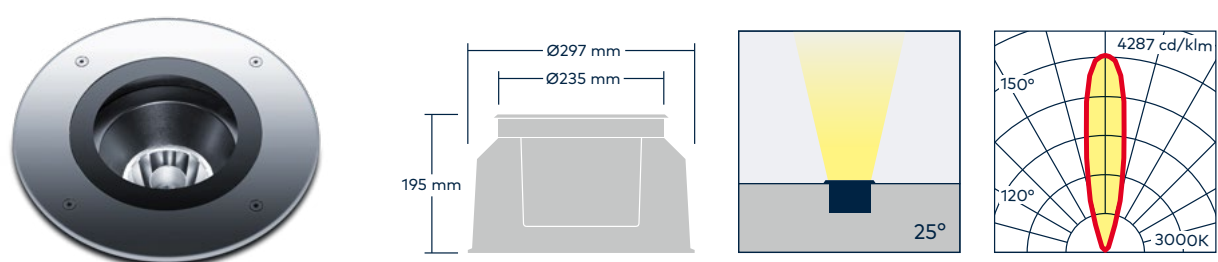
LARGE (NARROW BEAM)



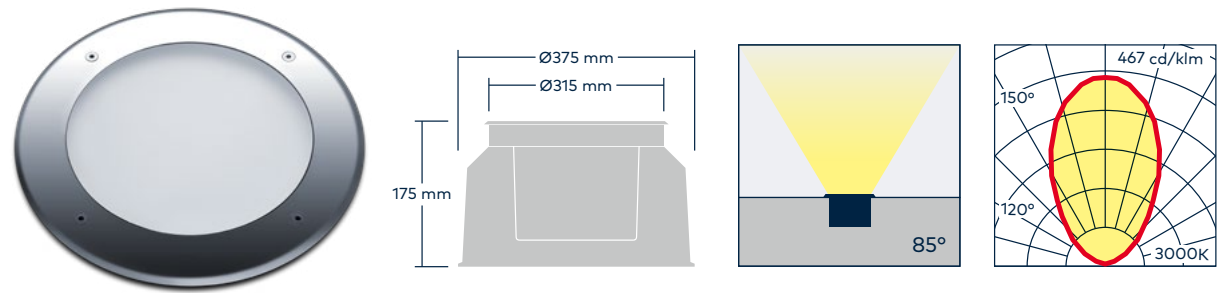
LARGE (ASYMMETRIC BEAM)



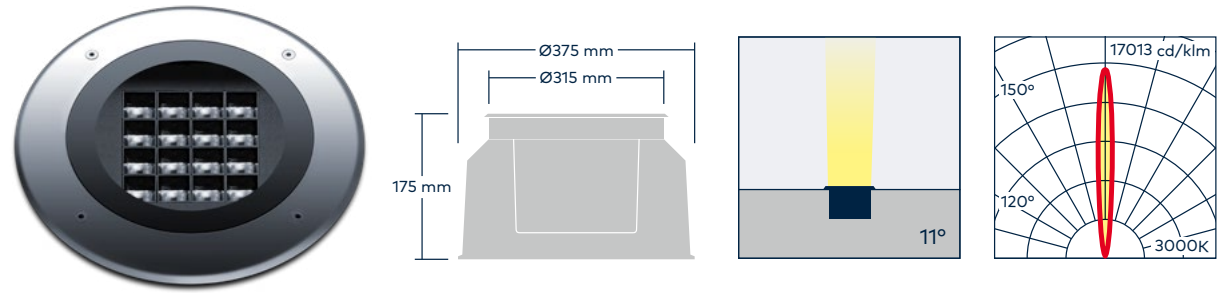
LARGE (MEDIUM BEAM)



EXTRA LARGE (WIDE BEAM)

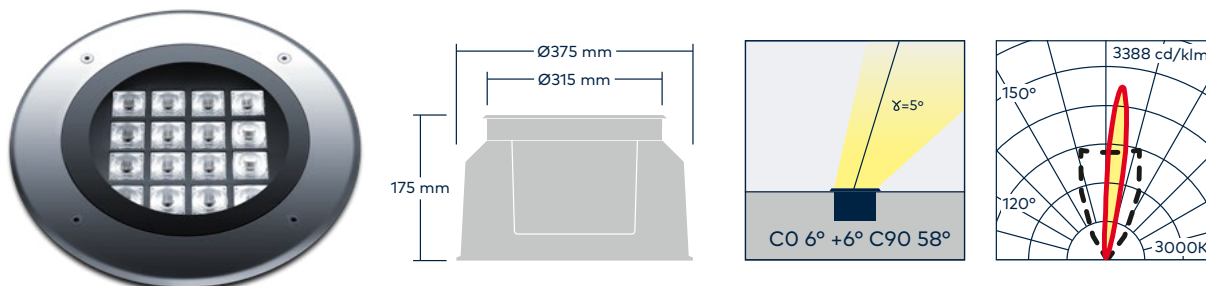


EXTRA LARGE (NARROW BEAM)

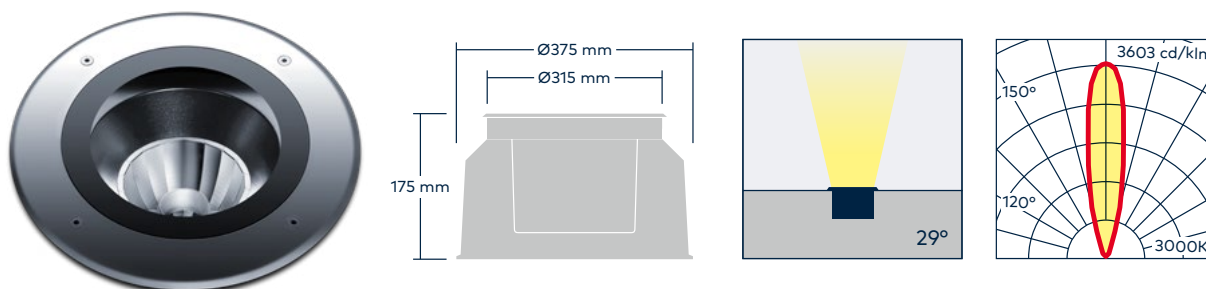


CESAR OPERA

EXTRA LARGE (ASYMMETRIC BEAM)



EXTRA LARGE (MEDIUM BEAM)



ACCESSORIES



ORDERING CODE: 96700028

(GB IP67 20 W 230 V 250-700 CL2 HFX)

POWER SUPPLY MULTI-POWER 230 V / 250 mA-700 mA DALI, DIM IN BOX.

IP67, 20 W, Class II.

Dimensions; 175.5 mm x 86.5 mm x 43 mm.

Will operate:

- Seven Cesar Opera drive over small (Wide Beam)
- Five Cesar Opera drive over small (Narrow Beam)
- Three Cesar Opera drive over medium (Narrow, Asymmetric and Medium Beam)

Maximum distance between luminaire and power supply 10 m.

Operating ambient temperature -20 °C to +50 °C.

Built-in surge protection (kV) L/N-PE: 2 kV.

ORDERING CODE: 96700029

(GB IP67 23 W 230 V 100-800 CL2 HFX)

POWER SUPPLY MULTI-POWER 230 V / 100 mA-800 mA DALI-2 DIMMABLE, PUSH DIM IN BOX.

IP67, 23 W, Class II.

Dimensions; 175.5 mm x 86.5 mm x 43 mm.

Will operate:

- Five Cesar Opera drive over medium (Wide Beam)

Maximum distance between luminaire and power supply 10 m.

Operating ambient temperature -20 °C to +50 °C.

Built-in surge protection (kV) L/N-PE: 2 kV.



BUILD YOUR PRODUCT

CESAR OPERA



IN GROUND DRIVE OVER

Product	Size	Mounting	LED	Colour temp	Optic	Control	Bezel colour
Cesar Opera	113 mm diameter (Front ring) S	Drive Over DO	Chip On Board 1L	CRI 90 2700 K 927	Transparent glass – Narrow Spot Beam 12° with lens – Adjustable +/- 15° (M, L & XL) NB	Non-Dim HF	Stainless steel SS
	165 mm diameter (Front ring) M		2 x 2 LEDs 4L	CRI 90 3000 K 930	Transparent glass – Medium Beam 25° (L & XL) or 31° (M) with reflector – Adjustable +/- 15° MB	DALI-2 HFX	
	235 mm diameter (Front ring) L		3 x 3 LEDs 9L	CRI 90 4000 K 940	Acid Etched glass – Diffused Wide Symmetrical Beam 91° (S), 70° (M), 79° (L), 85° (XL) WB	Remote DALI-2 RD*	
	315 mm diameter (Front ring) XL		4 x 4 LEDs 16L		Transparent glass – Asymmetrical Beam 58° with lenses – Adjustable +/- 5° AS		

EXAMPLE PRODUCT DESCRIPTION							
Cesar Opera	M	DO	1L	927	NB	HF	SS

* Note: If the RD (Remote DALI-2) option is selected, this will need ordering separately.
Visit the website for more information.



As a globally leading luminaire manufacturer, Thorn Lighting provides a five-year warranty for its complete product range within all European Countries.
thornlighting.com/guarantee

Thorn Lighting is constantly developing and improving its products. All descriptions, illustrations, drawings and specifications in this publication present only general particulars and shall not form part of any contract. The right is reserved to change specifications without prior notification or public announcement. All goods supplied by the company are supplied subject to the company's General Conditions of Sale, a copy of which is available on request. All measurements are in millimetres and weights in kilograms unless otherwise stated.
12/2024 (INT)

WE
MAKE
LIGHT
WORK