

THORN
LIGHTING



AXYL OPERA CEILING

Harmony in light



**WE
MAKE
LIGHT
WORK**

HARMONY IN LIGHT

Axyl Opera Ceiling is a family of square-edged, recessed ceiling-mounted luminaires designed for downlighting in outdoor environments, including canopies and building surrounds.

The range incorporates the latest generation of comfort-optimised optics, featuring double internal aluminium reflectors that minimise glare and improve efficiency.

Available with medium or wide beam light distributions, the luminaire offers a 15° tiltable optic for precise on-site adjustment.

For greater flexibility, the 5D adjustable beam variant enables dynamic beam adjustment via DALI signal.

With a choice of three sizes and five fixture finishes – anthracite, white, black, grey and stainless steel – Axyl Opera Ceiling complements a variety of settings, and its square design adds a contemporary feel whilst maintaining the subtle presence offered by a recessed luminaire.



AXYL OPERA CEILING

FEATURES

SHAPES AND SIZES

Axyl Opera Ceiling is a square-edged, ceiling-recessed luminaire family available in three sizes:

Medium: 135 mm (L) x 135 mm (D)

Large: 210 mm (L) x 210 mm (D)

Extra Large : 280 mm (L) x 280 mm (D)

LIGHT QUALITY

CRI 90

VISUAL COMFORT

A combination of the latest generation of LEDs and bespoke lenses ensure comfort and visual interest all at once. The tiltable light engine ensures glare is minimised.

CONTROLLABILITY

Available as Non-Dim (On/Off), or DALI-2 controls with remote driver.

DURABILITY

Axyl Opera is rated IK09 and IP65.
Corrosion Class C3.

HOUSING COLOUR

Available in White (R9016), Black (R9005), Light Grey (R9006) Anthracite Grey (G900S) or Stainless Steel finish.

WIRING

Medium size supplied pre-wired with neoprene 0,5 m H05RN-F connector cable. Large size supplied pre-wired with neoprene 0,2 m H07RN-F connector cable.

TECHNICAL DESCRIPTION

Die-cast aluminium housing with high corrosion resistance. Marine grade stainless steel AISI 316L front trim 2 mm thick or aluminium. Toughened glass diffuser 8 mm thick for size M, 10 mm thick for size L, 12 mm thick for size XL. Stainless steel screws. Silicone gaskets. Double powder paint. 3 SDCM. Electrical class I (integrated driver) or electrical class III (remote driver). Risk Class RG1. Operating ambient temperature -20 °C to 40 °C. Lifetime 70,000 hrs L80 B10 25 °C.

CERTIFICATION



ACCESSORIES



ORDERING CODE:
96800953
AXYL OPERA MEDIUM
RECESSED BOX



ORDERING CODE:
96801054
AXYL OPERA LARGE
RECESSED BOX



ORDERING CODE:
96801108
AXYL OPERA EXTRA
LARGE RECESSED BOX



ORDERING CODE:
96700028
(GB IP67 20W 230V
250-700 CL2 HFX)
POWER SUPPLY
230V/250MA-700MA ,
DALI DIMMABLE IN BOX.
IP67, 20W, CLASS II.
WILL OPERATE 2 MEDIUM
LUMINAIRES.



ORDERING CODE:
96801046
(GB IP67 31W 230V 48VDC
5D CL2 HF)
MANDATORY POWER
SUPPLY FOR 5D PRODUCT
240V/48VDC.
IP67, 31W, CLASS II

PHOTOMETRIC SUMMARY

Size	Colour temp	Beam angle	Lumen output (lm)	Power (W)	Rated input power (W)	Luminaire efficacy (lm/W)
Medium	927 (2700 K)	31° (Medium Beam)	411	6.6	8.7	47.24
	930 (3000 K)		434			49.89
	940 (4000 K)		458			52.64
	927 (2700 K)	57° (Wide Beam)	348	5.8	7.8	44.62
	930 (3000 K)		380			48.72
	940 (4000 K)		411			52.69
Large	927 (2700 K)	28° (Medium Beam)	1082	11.8	13	83.23
	930 (3000 K)		1152			95.92
	940 (4000 K)		1247			88.62
	927 (2700 K)	53° (Wide Beam)	1064	11.8	13	81.85
	930 (3000 K)		1120			86.15
	940 (4000 K)		1176			90.46
	927 (2700 K)	5D Beam	864	12.8	16.4	52.68
	930 (3000 K)		909			55.43
	940 (4000 K)		954			58.17
Extra Large	927 (2700 K)	30° (Medium Beam)	2375	27.2	31	76.61
	930 (3000 K)		2666			86.00
	940 (4000 K)		2836			91.48
	927 (2700 K)	52° (Wide Beam)	2415			77.90
	930 (3000 K)		2714			87.55
	940 (4000 K)		2890			93.23

5D BEAM

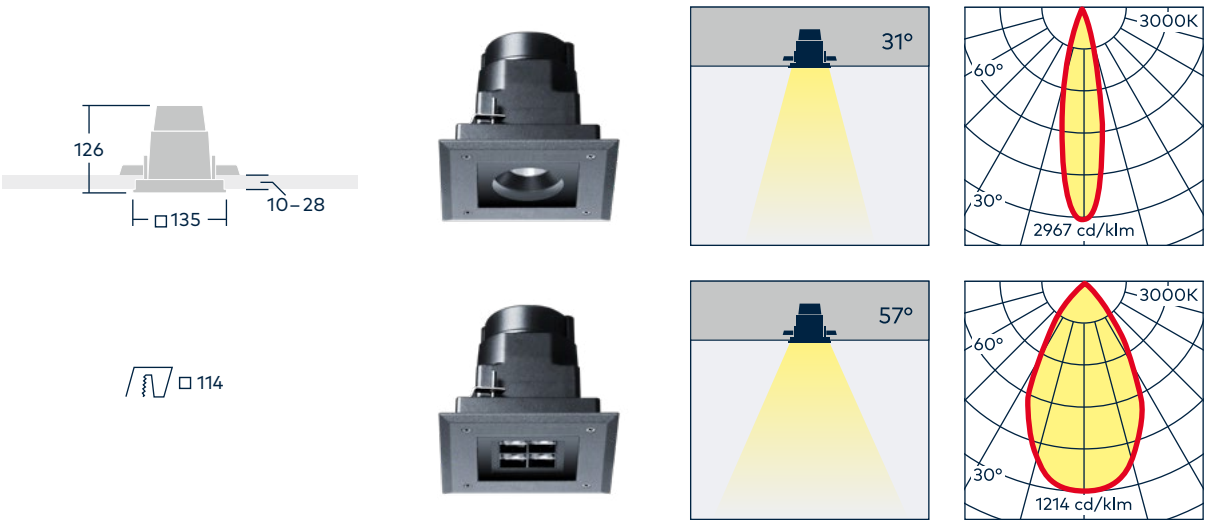
BEAM ANGLE CHANGE AT THE TOUCH OF A BUTTON

5D Beam brings advanced flexibility to lighting design by integrating a liquid-crystal lens (LensVector™) directly into the optical system. With 5D Beam, there's no need to physically change lenses or reflectors to create a new lighting effect. You simply shape and adjust the beam electronically – giving you complete control over both light output and distribution at the touch of a button. Maximum flexibility in just one luminaire. When activated, an electrical signal aligns the liquid-crystal molecules, allowing light to be shaped precisely to the required angle. A purpose-designed control board delivers the exact voltage needed to manage both the LED and the LensVector™ technology. 5D Beam can be controlled via DALI Signal (DALI Compliant)

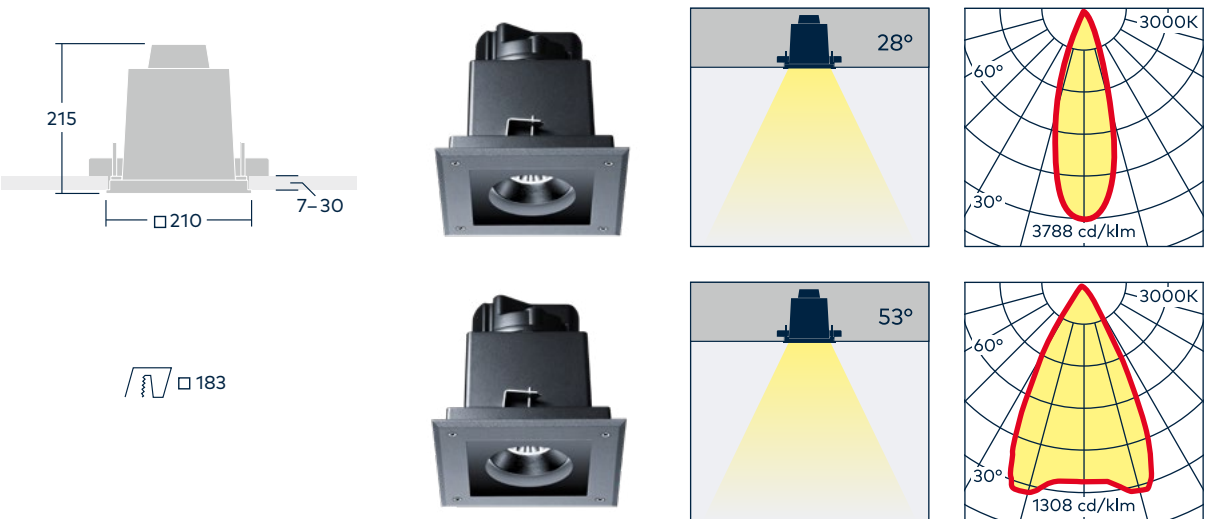
AXYL OPERA CEILING

CEILING MOUNTED

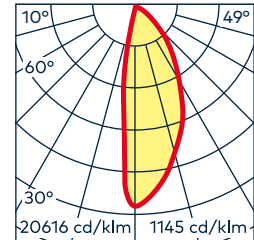
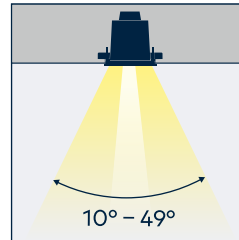
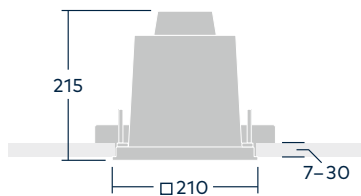
MEDIUM



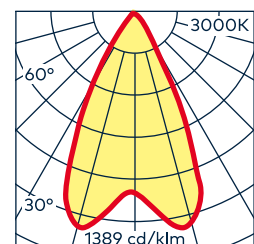
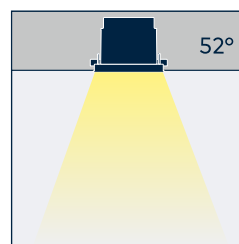
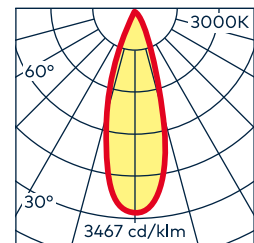
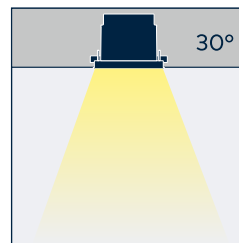
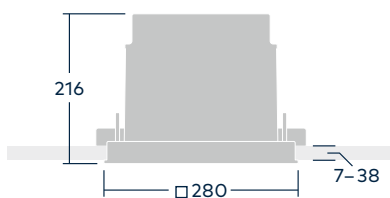
LARGE



5D LARGE



EXTRA LARGE



BUILD YOUR PRODUCT

AXYL OPERA CEILING

CEILING

Product	Size (Shape)	Mounting Type	LED	Colour temp	Beam Angle	Control	Body colour
Axl Opera Ceiling	135 mm (L) x 135 mm (D) M	Ceiling CEI	1 LED 1L	CRI 90 2700 K 927	Medium Beam MB	Non-dim HF	Anthracite ANT
	210 mm (L) x 210 mm (D) L		4 LED 4L	CRI 90 3000 K 930	Wide Beam WB	Integrated DALI-2 driver HFX	Grey GY
	280 mm (L) x 280 mm (D) XL			CRI 90 4000 K 940	5D* 5D	Remote DALI-2** RD	Black BK
							Stainless Steel SS

EXAMPLE PRODUCT DESCRIPTION							
Axl Opera Ceiling	L	CEI	1L	927	WB	RD	ANT

* Note: Large size only.
** Remote driver must be ordered 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

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05/2026 (INT)

