IRIDIA

IP 66 | IK 09 | IK 10

Versatile linear floodlight for wall-washing and grazing light effects

IRIDIA is a high-performance linear floodlight designed for façade lighting, monument illumination and the enhancement of urban landmarks.

Engineered to create precise wall-washing effects, this versatile tool brings buildings and public spaces to life at night.

Thanks to its advanced photometric engines, IRIDIA combines high light quality with optimised energy efficiency, supporting cities and lighting designers in developing lighting schemes while ensuring sustainable energy use.

Whether for architectural lighting or urban illumination, IRIDIA enables fine tuning of the light, revealing textures, volumes and details with precision. Its mounting flexibility and compatibility with dynamic lighting systems make it the ideal solution for both static lighting concepts and dynamic scenarios.

URBAN & RESIDENTIAL STREETS | ACCENT & ARCHITECTURAL | BRIDGES | BIKE & PEDESTRIAN PATHS | RAILWAY STATIONS & METROS | CAR PARKS | SQUARES & PEDESTRIAN AREAS

Concept

IRIDIA features a robust design built around an extruded aluminium housing that holds the photometric engines and electronic components and is sealed with two aluminium end caps. Available in four sizes and offering a wide range of mounting options, IRIDIA is the ideal solution for tailored urban and monument illumination.

Its advanced LED technology delivers fined-tuned lighting. Available with white or RGBW LED engines, it enables the creation of various illumination schemes. IRIDIA is compatible with dynamic lighting systems, helping designers transform static architecture into a living visual experience.

This floodlight can be delivered with various types of mounting option – on walls or ceilings, with fixed or adjustable fixation. From complex architectural structures to larger spaces, IRIDIA blends naturally into any setting, delivering a fully immersive lighting experience.

Available in various LED colours and configurations to suit a wide range of illumination projects.

IRIDIA supports the creation of dynamic lighting scenarios for vivid visual results.

Versatile lighting solution with a range of mounting options, designed to integrate effortlessly into diverse architectural forms and urban geometries.

Robust, durable linear floodlight, built to withstand the demands of urban environments.

TYPES OF APPLICATION

- URBAN & RESIDENTIAL STREETS
- ACCENT & ARCHITECTURAL
- BRIDGES
- BIKE & PEDESTRIAN PATHS
- RAILWAY STATIONS & METROS
- CAR PARKS
- SQUARES & PEDESTRIAN AREAS

KEY ADVANTAGES

- Wall washing effect with different flexible photometry
- Compact, lightweight and easy to install
- 4 sizes for flexibility
- Dynamic RGBW version
- Maximised savings in energy and maintenance costs
- Large range of mounting options

IRIDIA | IRIDIA 1

IRIDIA | IRIDIA 2

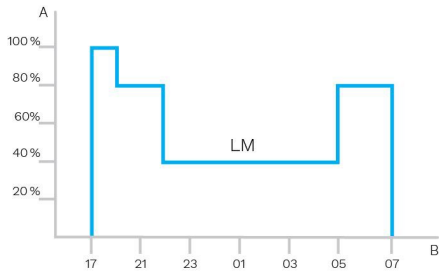
IRIDIA | IRIDIA 3

IRIDIA | IRIDIA 4

Custom dimming profile

Intelligent luminaire drivers can be programmed with complex dimming profiles. Up to five combinations of time intervals and light levels are possible. This feature does not require any extra wiring.

The period between switching on and switching off is used to activate the preset dimming profile. The customised dimming system generates maximum energy savings while respecting the required lighting levels and uniformity throughout the night.



A. Dimming level | B. Time

GENERAL INFORMATION

CE mark	Yes
UKCA marking	Yes
ENEC certified	Yes
ENEC+ certified	Yes

HOUSING AND FINISH

Housing	Aluminium
Optic	PMMA
Protector	Tempered glass
Housing finish	Polyester powder coating
Tightness level	IP 66
Impact resistance	IK 09, IK 10
Vibration test	Compliant with modified IEC 68-2-6 (0.5G)

OPERATING CONDITIONS

Operating temperature range (Ta)	-30°C up to +55°C / -22°F up to 131°F with wind effect

· Depending on the luminaire configuration. For more details, please contact us.

ELECTRICAL INFORMATION

Electrical class	Class I EU, Class II EU
Nominal voltage	220-240V – 50-60Hz
Control protocol(s)	DALI, DMX-RDM
Control options	Bi-power, Custom dimming profile
Associated control system(s)	Nicolaudie Pharos

OPTICAL INFORMATION

LED colour temperature	2700K (Warm White WW 827) 3000K (Warm White WW 830) 4000K (Neutral White NW 840) RGBW
Colour rendering index (CRI)	>80 (Warm White WW 827) >80 (Warm White WW 830) >80 (Neutral White NW 840) RGBW

LIFETIME OF THE LEDS @ TQ 25°C

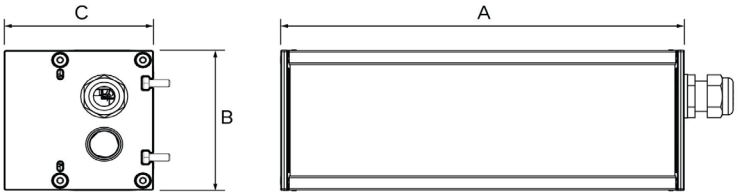
All configurations	100,000h - L95

· Lifetime may be different according to the size/configurations. Please consult us.

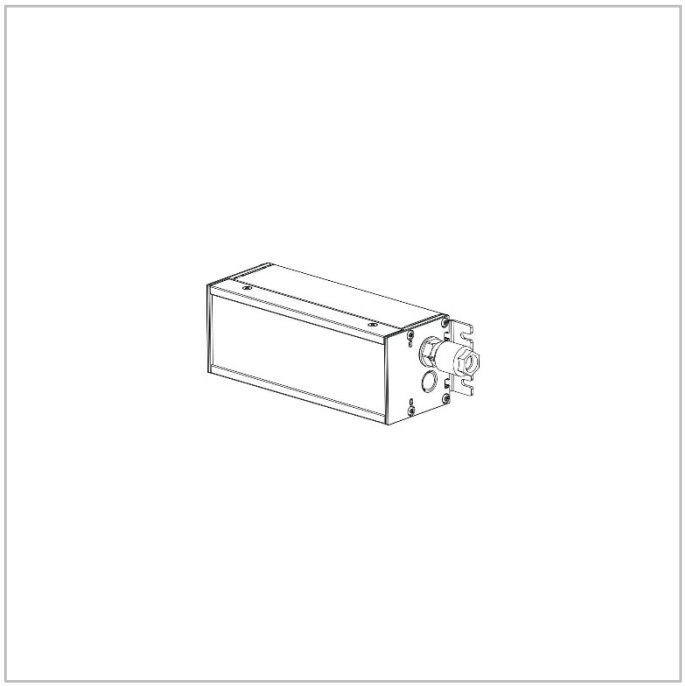
DIMENSIONS AND MOUNTING

AxBxC (mm | inch)	IRIDIA 1 : 239x91x89 | 9.4x3.6x3.5 IRIDIA 2 : 402x91x89 | 15.8x3.6x3.5 IRIDIA 3 : 592x91x89 | 23.3x3.6x3.5 IRIDIA 4 : 783x91x89 | 30.8x3.6x3.5
Weight (kg | lbs)	IRIDIA 1 : 2.0 | 4.3 IRIDIA 2 : 3.4 | 7.5 IRIDIA 3 : 4.6 | 10.1 IRIDIA 4 : 6.5 | 14.2
Aerodynamic resistance (CxS)	IRIDIA 1 : 0.03 IRIDIA 2 : 0.04 IRIDIA 3 : 0.06 IRIDIA 4 : 0.08
Mounting possibilities	Surface mounting On a dedicated range of poles/brackets Wall-mounted

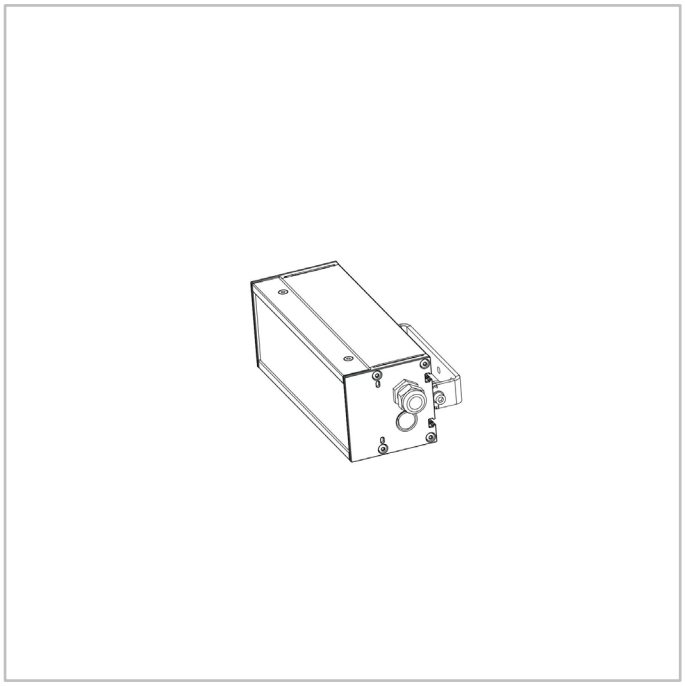
· *For more information about mounting possibilities, please consult the installation sheet.*



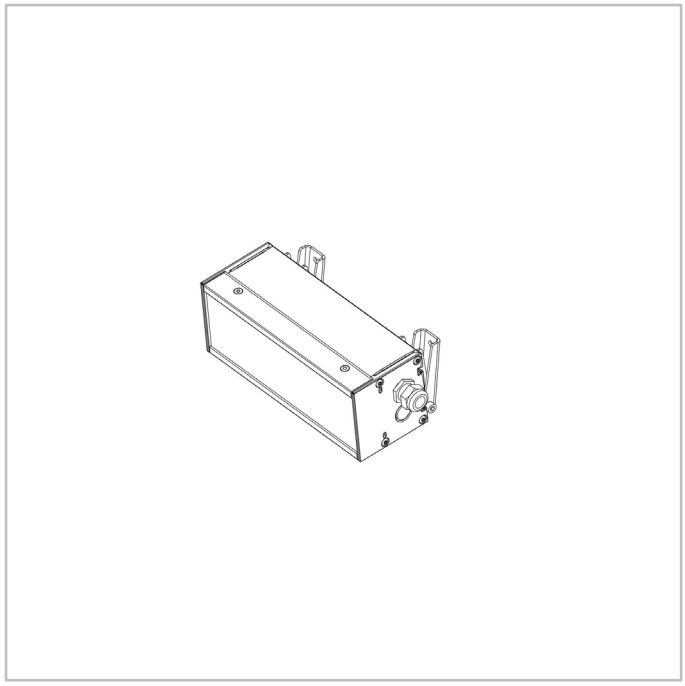
IRIDIA | Surface mounting with fixed brackets



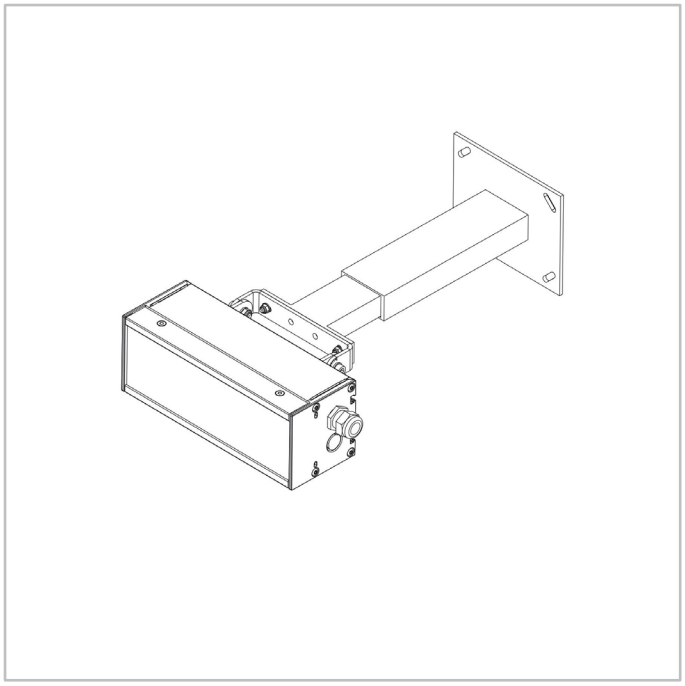
IRIDIA | Adjustable mounting with swivel bracket



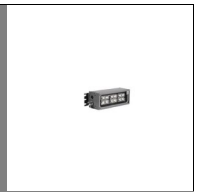
IRIDIA | Adjustable mounting with scissor brackets



IRIDIA | Surface mounting with extended bracket



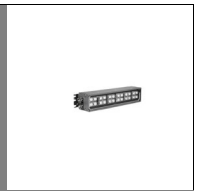
IRIDIA 1



	Luminaire output flux (lm)								Power consumption (W)		Luminaire efficacy (lm/W)
	RGB CW		Warm White WW 827		Warm White WW 830		Neutral White NW 840				
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
12	1400	1700	900	4100	900	4400	900	4400	8	40	132

Tolerance on LED flux is ± 7% and on total luminaire power ± 5 %

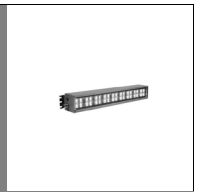
IRIDIA 2



	Luminaire output flux (lm)								Power consumption (W)		Luminaire efficacy (lm/W)
	RGB CW		Warm White WW 827		Warm White WW 830		Neutral White NW 840				
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
24	2100	2600	1800	8200	1900	8800	1900	8800	10	76	144

Tolerance on LED flux is ± 7% and on total luminaire power ± 5 %

IRIDIA 3



	Luminaire output flux (lm)								Power consumption (W)		Luminaire efficacy (lm/W)
	RGB CW		Warm White WW 827		Warm White WW 830		Neutral White NW 840				
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
36	4000	4900	2700	12300	2900	13200	2900	13200	20	114	143

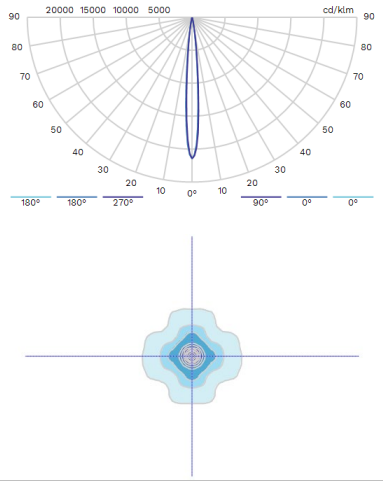
Tolerance on LED flux is ± 7% and on total luminaire power ± 5 %

IRIDIA 4

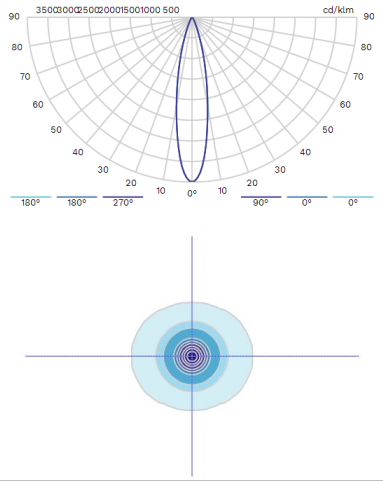
	Luminaire output flux (lm)								Power consumption (W)		Luminaire efficacy (lm/W)
	RGB CW		Warm White WW 827		Warm White WW 830		Neutral White NW 840				
Number of LEDs	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Up to
48	4300	5200	3600	13900	3900	14900	3900	14900	18	118	147

Tolerance on LED flux is ± 7% and on total luminaire power ± 5 %

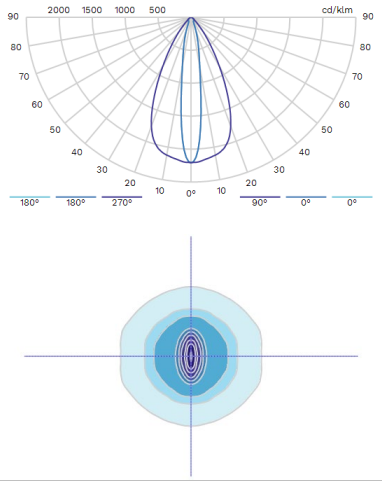
7112 Narrow Beam



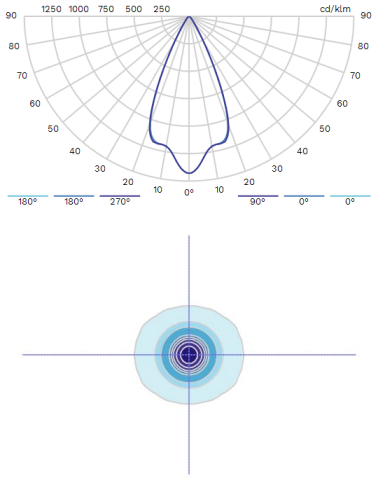
7113 Medium Beam



7115 Wide - Elliptic Beam



7114 Wide Beam



7116 Ultra-Wide Elliptic Beam