

THORN
LIGHTING

EROA

SHAPE THE NIGHT

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Grazing excellence meets optimised visual comfort.

Eroa is a family of LED linear luminaires specifically developed to maximise visual comfort for a wide range of outdoor grazing applications. Eroa offers a homogenous lit effect with no scalloping, providing an even graze of light that is maintained when luminaires are installed end to end.

Eroa comes with a range of accessories, including internal louvre and anti-glare films, to further improve visual comfort and reduce glare.

Available in four lengths with a choice of single colour and dynamic RGBW, Eroa has the capability to illuminate beyond 12m distance, framing even the largest of structures such as stadia, arenas and façades.

The family approach of Eroa allows layers of light to be created within a lighting design. Surface mount variants for mounting onto facades, monuments and bridges are complimented by recessed in-ground variants.



EROA

FEATURES

SHAPE AND SIZES

Eroa is available in three versions, LRi (Linear recessed integral driver), Si (Surface integral driver) and Sx (Surface external driver)

LRi – Available in four lengths;
336, 636, 936 & 1236 mm (width 80 mm)

Si & Sx – Available in four lengths;
336, 636, 936 & 1236 mm (width 54 mm)

LIGHT QUALITY

CRI 80 for white LED variants.

VISUAL COMFORT

With a deep recessed LED, the light source is recessed into the body of the luminaire to provide a primary level of glare control. There's a choice of anti-glare accessories to maximise visual comfort and tune the accessory specification to the application.

CONTROLLABILITY

Available with Non-Dim (On/Off), Dali (HFX) or DMX.

DURABILITY

IK09, IP66 (Si & Sx), IP67 (LRi)

A secure in-ground accessory kit is available for Eroa LRi for protection against vandalism

HOUSING COLOUR

Black (R9005),
Silver (R9022)

TECHNICAL DESCRIPTION

Extruded aluminium luminaire with high corrosion resistance C5.

Electrical Class I

2 SDCM

RG2 at 6500 K

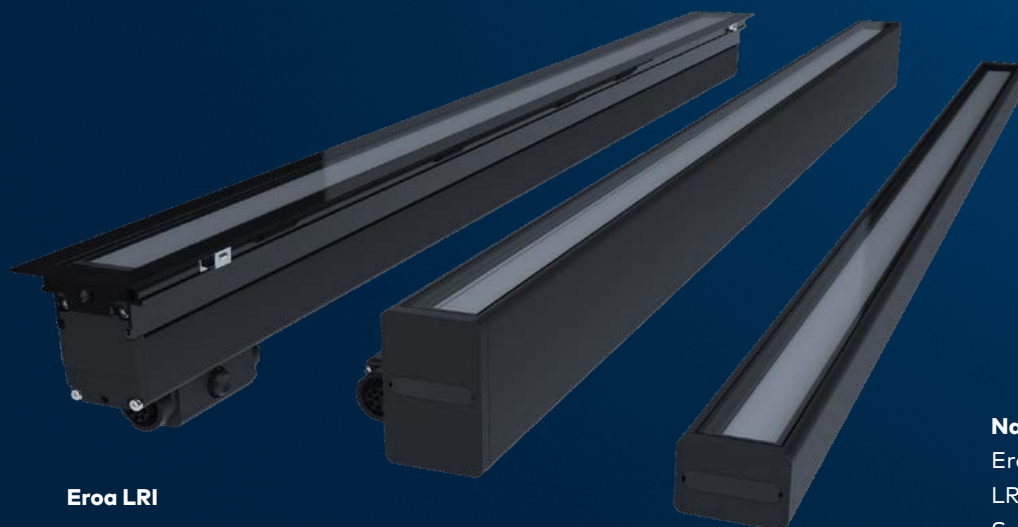
RGBW includes 3000 K white LED

Lifetime 60 000 hrs L80 @ 50 °C /

60 000 hrs L80 @ 25 °C

Operating Temperature –20 °C to +50 °C

CERTIFICATION



Eroa LRi

Eroa Si

Eroa Sx

Name Coding

Eroa LRi

LR = Linear Recessed

S = Surface Mount

i = Integral Driver

x = External Driver

PHOTOMETRIC SUMMARY

				WHITE 2700 K 3000 K 4000 K			COLOUR CHANGE RGBW		
Eroa Lri				Lumen output (lm)	Wattage (W)	lm/W	Lumen output (lm)	Wattage (W)	lm/W
Linear	Narrow	N	18°	5750	72	79.86	3430	95	36.10
	Medium	M	23°	5410	72	75.13	3230	95	34.00
	Wide Flood	WF	30°	5840	72	81.11	2890	95	30.42
Spot	Narrow	N	15°	5851	77	75.99	4030	77	52.33
Eroa Si				Lumen output (lm)	Wattage (W)	lm/W	Lumen output (lm)	Wattage (W)	lm/W
Linear	Narrow	N	18°	5640	72	78.83	3330	95	35.05
	Medium	M	23°	5360	72	74.44	3160	95	33.26
	Wide Flood	WF	30°	4860	72	67.50	2860	95	30.11
Spot	Narrow	N	15°	6374	77	82.78	3833	77	49.78
Eroa Sx				Lumen output (lm)	Wattage (W)	lm/W	Lumen output (lm)	Wattage (W)	lm/W
Linear	Narrow	N	18°	5640	88	64.08	3330	95	35.05
	Medium	M	23°	5360	88	60.91	3160	95	33.26
	Wide Flood	WF	30°	4860	88	55.23	2860	95	30.11

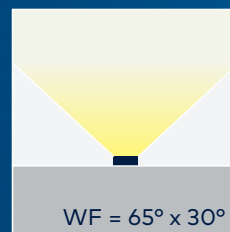
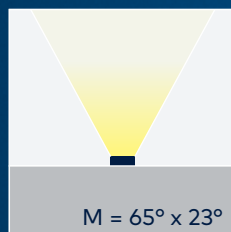
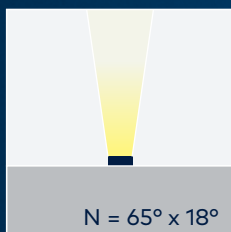
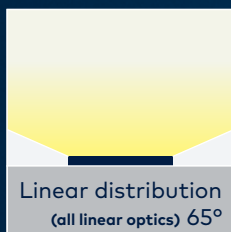
Photometric performance is measured in compliance with IESNA LM 79-08.
All data based on 1200 mm EB versions. Eroa LRI based on 0° tilt.



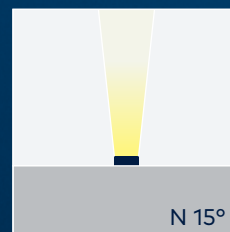
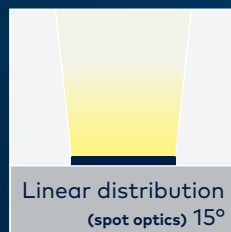


OPTICS

LINEAR

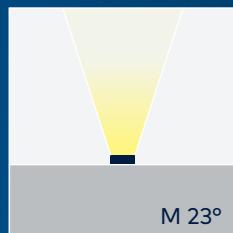
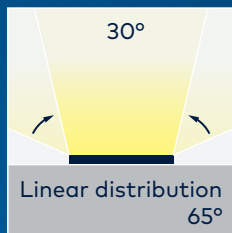


SPOT



OPTICAL ACCESSORIES

CROSS ANTI-GLARE FILM



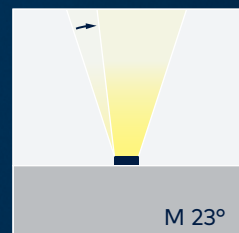
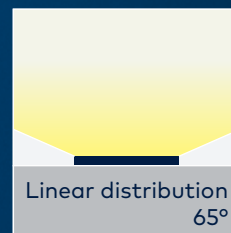
CROSS ANTI-GLARE FILM / LINEAR ANTI-GLARE FILM

Compatible with Eroa LRi, Si and Sx. Linear Optic.

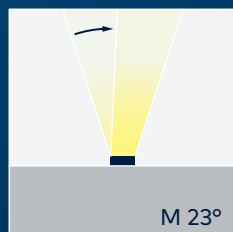
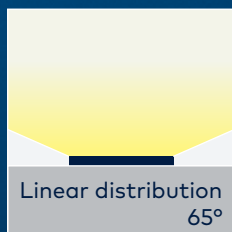
Adding the cross anti-glare film subtracts light outside the 30°. This increases viewer comfort when viewed from the end of the luminaire. Negligible impact on light escaping from the wall, affects the lumen outputs.

LINEAR ANTI-GLARE FILM

Light blocked from escaping away from wall. Reduces glare to viewers passing alongside the fitting. Negligible impact on light escaping from the side, affects the lumen outputs.



MICRO LOUVRE



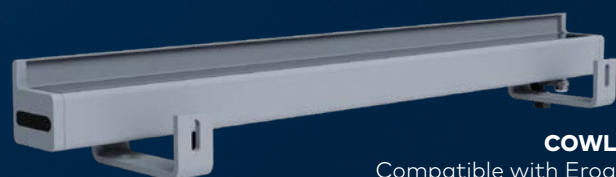
MICRO LOUVRE

Compatible with Eroa LRi. Can be combined with Cross Anti-glare film. Linear Optic.

The Micro Louvre is tilted at 17° to cut off the view into the luminaire. Reduces glare to viewers passing alongside the application. Negligible impact on light escaping from the side, affects the delivered lumen output.

COWL

Superb glare control via extruded aluminium cowl to completely shield the light source from normal viewing angles.



COWL

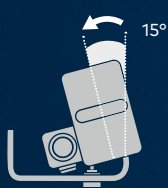
Compatible with Eroa Si and Sx. Linear optic.

NOTE: Please reduce light output in standard photometric files by 30 % for each internal accessory.

ADJUSTABILITY. PRECISION.

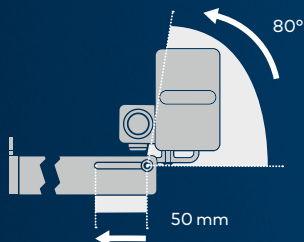
A wide range of mounting accessories enable the luminaires to be installed, orientated and tilted to meet the demands of the project. An integral driver means the Eroa LRi and Si models are plug and play, reducing on-site installation time.

STANDARD BRACKET



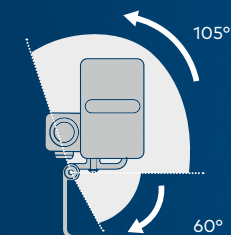
Eroa Si | Sx

LONG ARM BRACKET

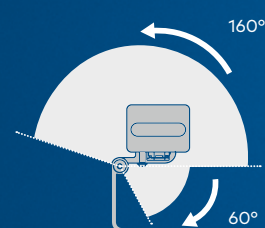


Eroa Si | Sx

ADJUSTABLE BRACKET

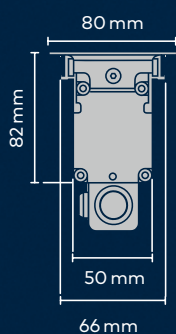


Eroa Si

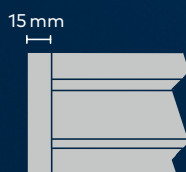


Eroa Sx

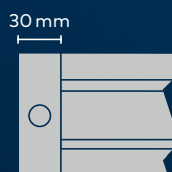
EROA LRi



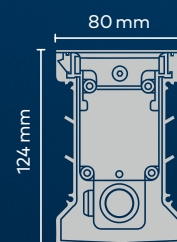
Eroa LRi



Eroa LRi
Standard end cap flange



Eroa LRi
Secure end cap flange

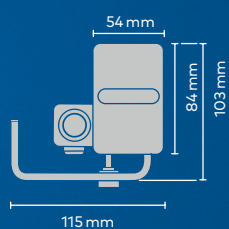


Eroa LRi
In-ground sleeve

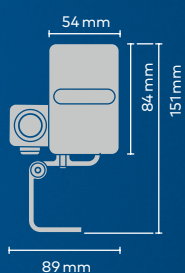
EROA SI



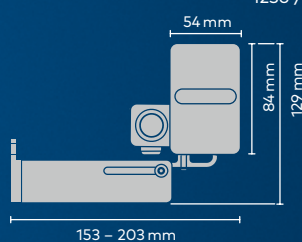
1236 / 936 / 636 / 336 mm



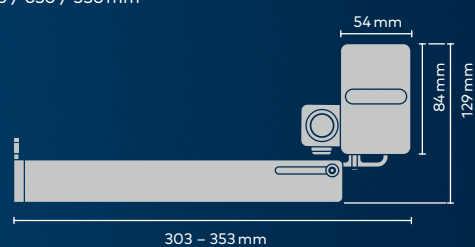
Eroa Si
Standard
bracket



Eroa Si
Adjustable
bracket



Eroa Si
Long arm bracket
(150 mm)

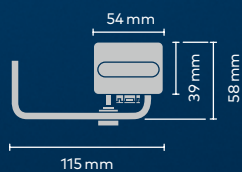


Eroa Si
Long arm bracket
(300 mm)

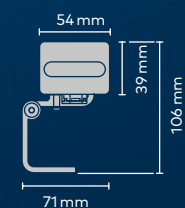
EROA SX



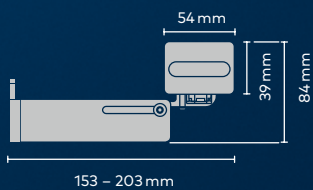
1236 / 936 / 636 / 336 mm



Eroa Sx
Standard
bracket



Eroa Sx
Adjustable
bracket



Eroa Sx
Long arm bracket
(150 mm)



Eroa Si
Long arm bracket (300 mm)

BUILD YOUR PRODUCT

EROA SX



EROA LRI

Product	Length		Lumen		Colour temp		Optic	
Eroa Sx	336 mm	L03	450 lm	450	CRI 80 2700 K	827	Narrow	N
	636 mm	L06	900 lm	900	CRI 80 3000 K	830	Medium	M
	936 mm	L09	1200 lm	1200	CRI 80 4000 K	840	Wide Flood	WF
	1236 mm	L12	1400 lm	1400				
			1900 lm	1900				
			2400 lm	2400				
			3800 lm	3800				
			5000 lm	5000				

EXAMPLE PRODUCT DESCRIPTION

Eroa Sx	L03	450	827	N
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Finish		Accessory		Tilt		IP rating	
Black	BK	Cowl	CW	Standard bracket	STD	IP66	66
Silver	SI	Cross & anti glare film	CF	Adjustable bracket	AJ		
		Linear anti glare film	LF	Long arm 150 mm	LA01		
				Long arm 300 mm	LA03		

EXAMPLE PRODUCT DESCRIPTION CONTINUED

BK	CW	STD	66
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BUILD YOUR PRODUCT

EROA SI



Product	Length		Lumen		Colour temp		Optic	
Eroa Si	336 mm	L03	450 lm	450	CRI 80 2700 K	827	Narrow	N
	636 mm	L06	900 lm	900	CRI 80 3000 K	830	Medium	M
	936 mm	L09	1200 lm	1200	CRI 80 4000 K	840	Wide Flood	WF
	1236 mm	L12	1400 lm	1400	RGBW 3000 K	RGBW	Spot	SP
			1900 lm	1900				
			2400 lm	2400				
			3800 lm	3800				
			5000 lm	5000				

EXAMPLE PRODUCT DESCRIPTION				
Eroa Si	L03	450	827	N

Finish		Accessory		Tilt		IP rating		Driver	
Black	BK	Cowl	CW	Standard bracket	STD	IP66	66	Switched	HF
Silver	SI	Cross & anti glare film	CF	Adjustable bracket	AJ			Dali Dimmable	HFX
		Linear anti glare film	LF	Long arm 150 mm	LA01			DMX	DMX
				Long arm 300 mm	LA03				

EXAMPLE PRODUCT DESCRIPTION CONTINUED				
BK	CW	STD	66	HF





BUILD YOUR PRODUCT

EROA LRI



Product	Length		Lumen		Colour temp		Optic	
Eroa LRI	336 mm	L03	450 lm	450	CRI 80 2700 K	827	Narrow	N
	636 mm	L06	900 lm	900	CRI 80 3000 K	830	Medium	M
	936 mm	L09	1200 lm	1200	CRI 80 4000 K	840	Wide Flood	WF
	1236 mm	L12	1400 lm	1400			Spot	SP
			1900 lm	1900				
			2400 lm	2400				
			3800 lm	3800				
			5000 lm	5000				

EXAMPLE PRODUCT DESCRIPTION				
Eroa LRI	L03	450	827	N

Finish		Accessory		Tilt		IP rating		Driver	
Anodised Silver	AS	Micro Louvre	LO	0 degree	0	IP67	67	Switched	HF
Anodised Black	ABK	Cross & anti glare film	CF	5 degree	5			Dali Dimmable	HFX
		Cross anti glare & micro louvre	CM					DMX	DMX
		Linear anti glare film	LF						

EXAMPLE PRODUCT DESCRIPTION CONTINUED				
AS	LO	5	67	HF



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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01/2024 (INT)

WE
MAKE
LIGHT
WORK