



SIGURI X

Perfect light against ingress and impact

SIGURI X

Direct

Delivering IP66 and IK11 ingress and impact protection, the Siguri X linear profile has been redesigned to offer a more robust and dynamic lighting solution. With its visual design elements, precise engineering, and strong feature set, the Siguri X balances aesthetics and performance to create a complete solution.

Physical

Dimensions

88mm W x 100 mm H

Finish Options

Powdercoat Black / White / Silver
Wood Grain and Concrete

Other powdercoat colours available upon request

Environmental

IP66
IK11

Electrical

Control Gear

Integrated

Power Consumption Range

6.8 to 52.8 W/m

Luminous Efficacy

Up to 111 Lm/W @ 1200 lm/m, 10.8 W/m, CRI 90+,
 T_a 75°C, Diffused

Lumen Maintenance

72,000 hours (L80/F10 at T_a 25°C)
Up to 70,000 hours (L80/F10 at T_a 45°C)

Dimming Options

Fixed Output
1 - 10V
SwitchDIM
DALI-2

Control Options

Casambi

Weight

4.8 kg/m

Mounting Options

Rod Suspended
Surface Mounted
Wall Mounted

Ambient Operating Temperature

T_a 0° to 45°C

Photometrics

Flux Range

761 to 4899 Lm/m @ 3000K, CRI 90+,

T_a max 45°C, Diffused

Typical Lumen Packages

1200 lm/m, 10.8 W/m

1600 lm/m, 14.5 W/m

2000 lm/m, 18.5 W/m

2400 lm/m, 22.6 W/m

2800 lm/m, 26.9 W/m

Other lumen packages available upon request

Distributions

Diffused

Available Upon Request

Smooth Glare Control
Asymmetric
Batwing

Light Source

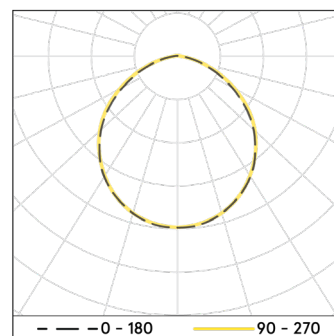
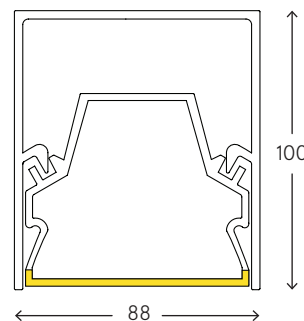
LED Boards

Correlated Colour Temperature

3000K/ 4000K/ 5000K
Tuneable (2700 - 6500K)
RGB, RGBW Tape available

Colour Rendering Index

90+



Optical and Electrical values are subject to a tolerance of +/- 10%.

Lumen Output values are "delivered" lumens, which take into consideration losses in the diffuser. These values are more relevant than source lumens, as luminaire efficiency is accounted for. Values given above are based on 4000K and T_p of 65°C

All product specifications are correct at time of printing, and subject to change without notice.

SIGURI X

Recessed

Delivering IP66 and IK11 ingress and impact protection, the Siguri X linear profile has been redesigned to offer a more robust and dynamic lighting solution. With its visual design elements, precise engineering, and strong feature set, the Siguri X balances aesthetics and performance to create a complete solution.

Physical

Dimensions

99mm W x 100 mm H

Finish Options

Powdercoat Black / White / Silver
Wood Grain and Concrete

Other powdercoat colours available upon request

Environmental

IP66
IK11

Electrical

Control Gear

Integrated

Power Consumption Range

6.8 to 52.8 W/m

Luminous Efficacy

Up to 111 Lm/W @ 1200 lm/m, 10.8 W/m, CRI 90+,
 T_a 75°C, Diffused

Lumen Maintenance

72,000 hours (L80/F10 at T_a 25°C)
Up to 70,000 hours (L80/F10 at T_a 45°C)

Dimming Options

Fixed Output
1 - 10V
SwitchDIM
DALI-2

Control Options

Casambi

Weight

5 kg/m

Mounting Options

Recessed

Ambient Operating Temperature

T_a 0° to 45°C

Photometrics

Flux Range

761 to 4899 Lm/m @ 3000K, CRI 90+,

T_a max 45°C, Diffused

Typical Lumen Packages

1200 lm/m, 10.8 W/m

1600 lm/m, 14.5 W/m

2000 lm/m, 18.5 W/m

2400 lm/m, 22.6 W/m

2800 lm/m, 26.9 W/m

Other lumen packages available upon request

Distributions

Diffused

Available Upon Request

Smooth Glare Control
Asymmetric
Batwing

Light Source

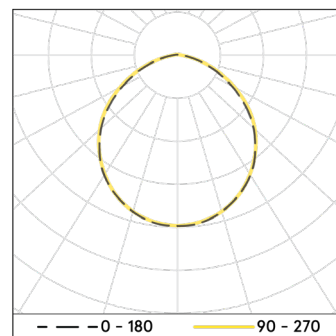
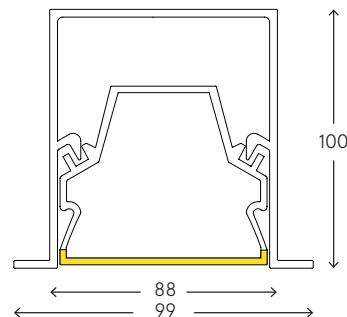
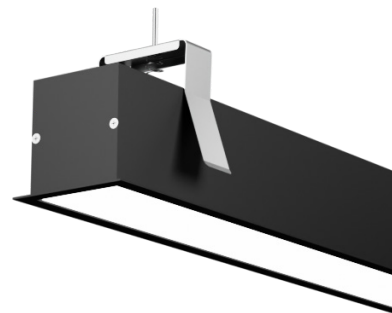
LED Boards

Correlated Colour Temperature

3000K/ 4000K/ 5000K
Tuneable (2700 - 6500K)
RGB, RGBW Tape available

Colour Rendering Index

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Options

Extras
Vandal Resistant screws available

Emergency
Maintained
Duration
3 Hours
Classification for Diffused
C0 C270
C90 C270
Luminous Surface
280mm in length
Environmental
Ingress Protection up to IP66
Minimum length of 1124mm

Non-maintained available

Additional Info

Warranty
Product
10 Years
Terms and conditions apply

Maintained EMG
2 Years

MacAdam Ellipse
3SDCM

Colour Rendering Index refer to Figure 1
 R_a 91
The CRI is a measure of the ability of a light source to accurately portray the colours of various objects in space. Originally consisting of 8 sample colours, the CRI now extends to 15 samples. R9 to R15 are special colours of high chroma; R9 evaluates red, whilst R15 is for skin tones.

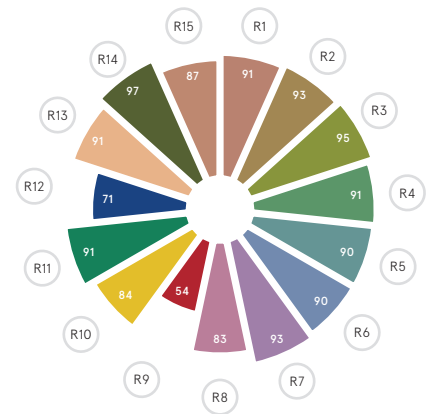


Figure 1- Colour Rendering Index for 4000K, 90CRI

TM30 refer to Figure 2
 R_f 90
 R_g 99
IES TM-30 provides further metrics to assist in tailoring your lighting solution. The measured values quantify colour rendering in three main areas; observation (colour fidelity (R_f)), intensity (colour gamut (R_g)) and shift in intensity (colour vector graphics).

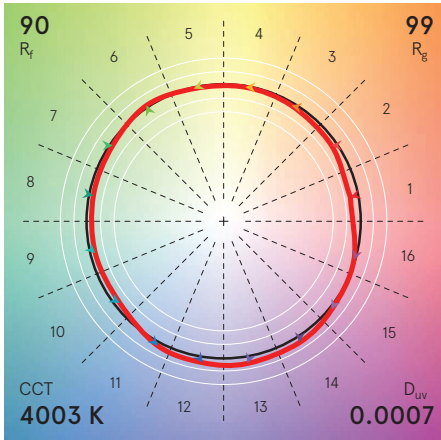


Figure 2 - Colour Vector Graphics for 4000K, 90CRI

Color Quality Scale refer to Figure 3
 Q_a 90
The CQS is a metric which involves several facets of colour quality, including colour rendering, chromatic

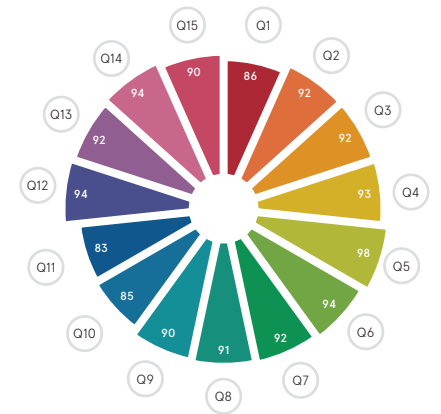


Figure 3 - Colour Quality Scale for 4000K, 90CRI
discrimination and observer preferences. The scale uses fifteen highly saturated colours, chosen as they more accurately span the range of common object colours.

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Specification Statement

Use the below statement for your schedules, specifications, or quotes.

Guide: Copy and paste into your document.
Remove unwanted options in **Green**.
Add custom data points where noted in **Blue**.

SIGURI X with 10 Year Product Warranty, as manufactured by mLight Pty Ltd. Product complete with mConnect system, LED boards with 3 SDCM, integrated **(DALI-2 / Fixed Output / 1-10V)** control gear, supports for **(Rod Suspended / Surface Mounted / Recessed / Wall Mounted)**. Dimensions 88 mm wide x 100 mm tall x **(xxxx)** mm long, including endcaps. Finished in **(Black PC / White PC / Silver PC)**, IP66 rated, Direct Light with **(Diffused / Smooth Low Glare / Asymmetric / Microprismatic)** distribution, **(xxxx)** Lm/m, **(xxxx)** W/m, L80 F10 72,000 hrs at Ta 25°C. Installation as per MLight

Coding System

Use the below to code your solution for ease of quoting and discussing with our team.
Start with **SGRX** and then follow on with additional codes.

EG: SGRX-RS-B-9-30-DIF-1200-DALI-2

Mounting	Code	Finish	Code	CRI	Code	CCT / Light	Code	Direct Distribution	Code	Direct Lumen Package	Code	Dimming Option	Code	Accessories	Code
Rod Suspended	RS	Black PC	B	80+	8	3000 K	30	Diffused	DIF	MIN	MIN	DALI-2	DALI-2	Emergency	EM
Surface Mounted	SM	White PC	W	90+	9	4000 K	40	Microprismatic	MPR	1200	1200	Fixed Output	FO	Sensors	SEN
Recessed	REC	Silver PC	S			5000 K	50	Asymmetric	ASY	1600	1600	1-10V	V	Third Party*	TP
Wall Mounted	WM					Tuneable	TU	Smooth Glare Control	SGC	2000	2000	SwitchDIM	SD		
Combination	CM					RGB	RGB			2400	2400				
						RGBW	RGBW			2800	2800				
										MAX	MAX				
										Custom	####				

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