

A nighttime photograph of a modern city skyline. Several tall, glass-clad skyscrapers are illuminated with various lights, including blue, white, and orange. The buildings are reflected in a body of water in the foreground. The sky is dark blue.

**THORN**  
LIGHTING

**MYSTRID FLEX**

THE CHOICE IS YOURS

# THE CHOICE IS YOURS

Mystrid Flex is a range of flexible linear IP67 luminaires available in a variety of fixed LED colours, RGBW and dynamic white. Developed with flexibility in mind, Mystrid Flex is offered in two bend directions for seamless integration into your application.

Thanks to uninterrupted homogenous line of light, Mystrid Flex provides dot free continuous clean lines, end to end mounting and a seamless lit appearance for facade accent illumination, furniture and handrail integration and building surrounds.

The range is produced using high-grade opal silicone encapsulation for long lasting performance and best in class C5 corrosion resistance for the toughest application environments.



# MYSTRID FLEX

## FEATURES

### SHAPE AND SIZES

Available in two bending directions, top and side bend.

Standard lengths available:

0.3, 0.6, 0.9, 1.2, 3, 6, 10 m.

Maximum bending diameter:

240 mm both versions.

### LIGHT QUALITY

CRI 90. 2700K, 3000K, 4000K,

Dynamic White 2700K – 5300K CCT range, RGBW.

### VISUAL COMFORT

Opal encapsulation ensures excellent soft comfort illumination across 120 degree diffuse beam angle.

### CONTROLLABILITY

Available as Non-Dim (On/Off), or remote DALI or DMX.

### DURABILITY

IK07, IP67.

### INTEGRATION

Cut and seal on site for flawless integration into the application.

Single colour white cut intervals: 50 mm.

Dynamic white cut intervals: 50 mm.

RGBW cut intervals: 62.5 mm.

Front/side/bottom cable entry options for optimised integration into architectural and furniture details.

### TECHNICAL DESCRIPTION

Extruded aluminium luminaire, UV resistant and high corrosion resistance C5.

Electrical Class III.

2 SDCM.

RG0.

RGBW includes 3000 K white LED.

Lifetime 50 000 hrs L70 @ 50 °C.

Operating Temperature – 25° to + 45 °C.

### CERTIFICATION

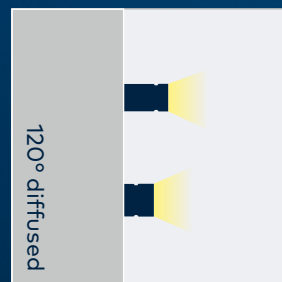


### MYSTRID FLEX LX – SIDE BEND

TOP VIEW



CROSS SECTION

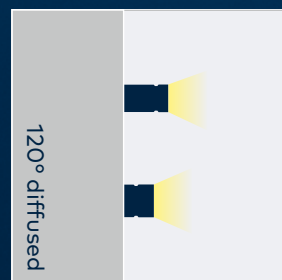


### MYSTRID FLEX LX – TOP BEND

TOP VIEW



CROSS SECTION



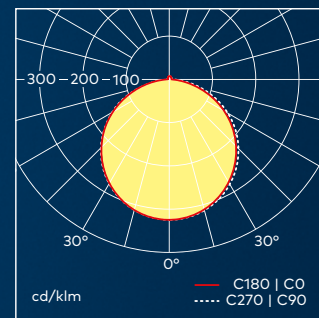
# PHOTOMETRIC SUMMARY

## MYSTRID FLEX – TOP BEND

Colour	Colour temp	Lumen output (lm)	Wattage (W) per m
White	2700 K	587	10
	3000 K	607	10
	4000 K	575	10
Dynamic White	2700 K	514	7.5
	5300 K	511	7.5
	2700 K + 5300 K	1024	15
RGBW	RED	42	3.75
	GREEN	139	3.75
	BLUE	37	3.75
	2700 K	190	3.75
	RGBW	413	15

### Optics

Diffused (120°)



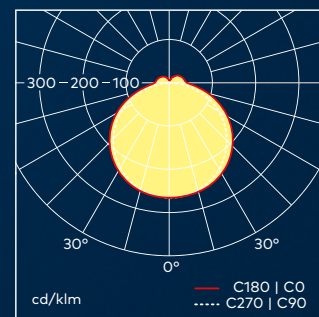
3000 K

## MYSTRID FLEX – SIDE BEND

Colour	Colour temp	Lumen output (lm)	Wattage (W) per m
White	2700 K	324	10
	3000 K	346	10
	4000 K	346	10
Dynamic White	2700 K	270	7.5
	5300 K	270	7.5
	2700 K + 5300 K	270	15
RGBW	RED	26	3.75
	GREEN	84	3.75
	BLUE	22	3.75
	2700 K	115	3.75
	RGBW	235	15

### Optics

Diffused (120°)



3000 K

Photometric performance is measured in compliance with IESNA LM 79-08.  
White: Based on 3000 K, Dynamic white: Based on all colour temperature on 100 %, RGBW: Based on all channels on 100 %

# UNINTERRUPTED HOMOGENEOUS LINE OF LIGHT

## CONSTRUCTION

The use of silicone material and clever design ensures a continuous line of light when installed end-to-end.

## MOUNTING ACCESSORY

Mystrid Flex is available with an aluminium profile to help you achieve a straight line of light for your project.

## SEAMLESS CONNECTION

Injection moulded end caps with various direction options allow the cable to be hidden and achieve a seamless connection.

Cable entry options: front, bottom and side.



# CABLE ENTRY

We offer the possibility for large projects to do custom lengths and to mix and match entry and exit position.

## SIDE BEND



Front



Side



Bottom

## TOP BEND



Front

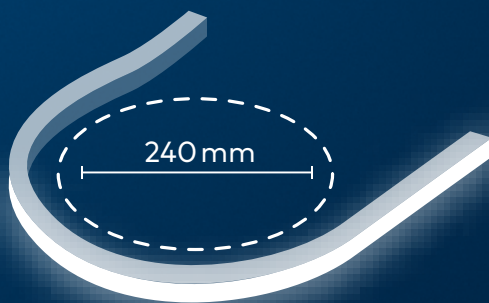


Side



Bottom

## MAXIMUM BENDING DIAMETER



### NOTE

If you order a front side or bottom loop version you will get the corresponding cable exit.

### LENGTHS

Top and side versions overall length.  
All sizes  $\pm 8$  mm.

BUILD YOUR PRODUCT

# MYSTRID FLEX



MYSTRID FLEX

Product	Length		Colour temp		Optic		Finish	
Mystrid Flex	300 mm	L03	CRI90 2700 K	927	Top bend	TP	White	WH
	600 mm	L06	CRI90 3000 K	930	Side bend	SD		
	900 mm	L09	CRI90 4000 K	940				
	1200 mm	L12	RGBW (3000 K)	RGBW				
	3 m	L30	Dynamic White	DW				
	6 m	L60						
	10 m	L100						

EXAMPLE PRODUCT DESCRIPTION				
Mystrid Flex	L03	927	TP	WH

Supply Cable Entry		Cable Exit		IP Rating	
Front Entry	FRO	End of Run	END	IP67	67
Side Entry	SD	Loop in loop out	LILO		
Bottom Entry	BTM				

EXAMPLE PRODUCT DESCRIPTION (CONTINUED)		
FRO	END	67



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](https://thornlighting.com/guarantee)

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01/2024 (INT)

WE  
MAKE  
LIGHT  
WORK