

ARCOFLEX

High performance flexible ambient lighting

ARCOFLEX Top Lit

Direct Illumination

The perfect strip lighting solution, the Arcoflex is built tough and designed to blend with the contours of any design or facade. With IP67 and IK10 as standard rating and further Chemical and UV resistance, the only limitation is your imagination and creative aspirations.

Physical

Dimensions

16 mm W x 17 mm H

Cut Increments

Every 50mm	White
Every 71.4mm	Tunable White
Every 83.3mm	RGB
	RGBW
	RGB Pixels
	RGBW Pixels

Maximum Wattage Run Length

White	15m @ 14.4 W/m
Tunable White	15m @ 13 W/m
RGB	13m @ 12.8 W/m
RGBW	9m @ 17 W/m
RGB Pixels	15m @ 16 W/m
RGBW Pixels	10m @ 22 W/m

Max run length 28m @ 4.8W, 3000K

Electrical

Power Consumption Range

White	14.4 W/m
Tunable White	13 W/m
RGB	12.8 W/m
RGBW	17 W/m
RGB Pixels	16 W/m
RGBW Pixels	22 W/m

Control Gear

24V Constant Voltage Remote IP20

IP67 Available on request

Luminous Efficacy

Up to 70.55 Lm/W @ 1016 lm/m, 14.4 W/m, 3000K

Lumen Maintenance

54,000 hours (L70/B10 at T_a 25°C)

White
Tunable White

30,000 hours (L80 at T_a 25°C)

RGB
RGBW
RGB Pixels
RGBW Pixels

Dimming Options

Fixed Output
SwitchDIM
DALI-2

Control Options

Casambi
DMX for Pixels

Mounting Options

Surface Mounted
Recessed

Ambient Operating Temperature

T_a -25° to 45 °C (55°C @ 5W/m)

Finish Options

Encapsulated Silicone

Environmental

IP67
IK10
UV and Chemical Resistant

Photometrics

Flux Range

White	1016 Lm/m @ 3000K / 4000K
Tunable White	952 Lm/m @ 2700K / 5300K
RGB	347 Lm/m
RGBW	590 Lm/m
RGB Pixels	375 Lm/m
RGBW Pixels	624 Lm/m
4.8W/m, 9.6W/m	Available on request (White)

Beam Angle

110°

Light Source

LED Tape (SELV)

Correlated Colour Temperature

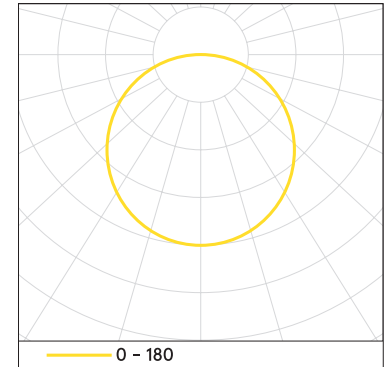
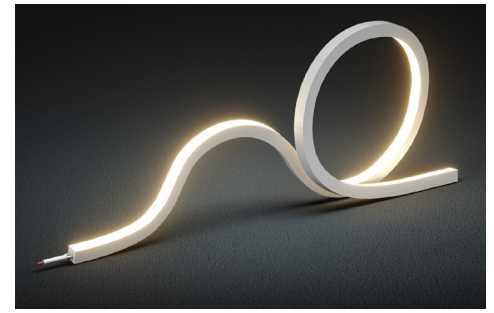
2200K / 2700K / 3000K / 3500K / 4000K / 5300K
2-CCT
RGB
RGBW
RGBW Pixels

Colour Rendering Index

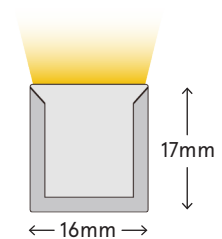
90+ White, 2SDCM
80+ RGB / RGBW, 3SDCM

Typical Max.Run Length

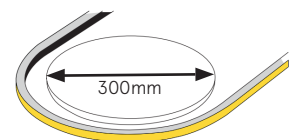
28m @ 4.8w/m
20m @ 9.6w/m
15m @ 14.4w/m



Top Lit



Bend Diameter



600mm Aluminium Extrusion
300mm Polycarbonate Extrusion

See page 4 for extrusions

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.

ARCOFLEX Top Lit

Additional Info

Warranty

Product

5 Years *White*

3 Years *RGB / RGBW*

Terms and conditions apply

Light Source

2 SDCM *White LED Strip*

3 SDCM *RGB / RGBW LED Strip*

Cable Connection Type

Built-in Cable Entry



Options

Cable Entry Options

Length @ 300mm

Custom length is available upon request

Cable Entry Options

Length @ 300mm

Custom length is available upon request

Cable Entry Options

Length @ 300mm

Custom length is available upon request

Cable Connections

Top Lit

Built-in **Front Cable** Entry

Cable Connections

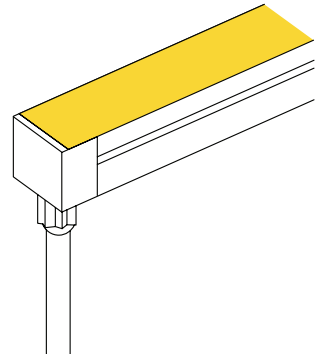
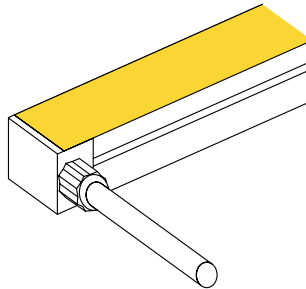
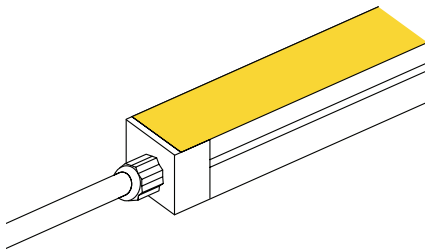
Top Lit

Built-in **Side Cable** Entry

Cable Connections

Top Lit

Built-in **Bottom Cable** Entry



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

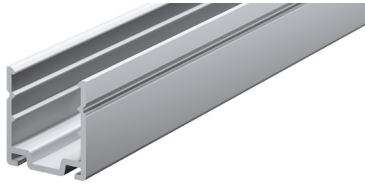
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ARCOFLEX Top Lit

Accessories

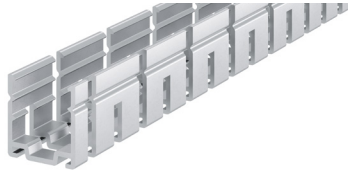
Straight Profile *Optional*
Available in 1m lengths



ARC1617-AP-S

Dimension
1000 mm L x 20.2 mm W x 20.8 mm H

Curved Profile *Optional*
Available in 1m lengths

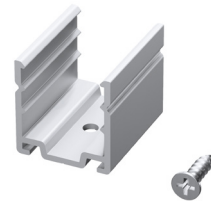


ARC1617-CR-S

Dimension
1000 mm L x 20.2 mm W x 20.8 mm H

Bend Diameter 600m

Mounting Kit *supplied*
3 x Clips per metre, screws



ARC1617-MK-S

Dimension
25 mm L x 20.2 mm W x 20.8 mm H

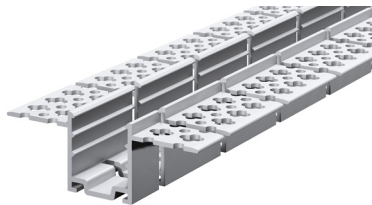
Recessed Profile



ARC1617-RT-S

Dimension
1000 mm L x 20.2 mm W x 19.9 mm H

Curved Trimless Profile



ARC1617-CT-S

Dimension
1000 mm L x 20.2 mm W x 16.6 mm H

Bend Diameter 600m

Straight Trimless Profile



ARC1617-TP-S

Dimension
1000 mm L x 20.2 mm W x 16.6 mm H

Bend Diameter 600m

Baffle Profile



ARC1617-BP-S

Dimension
1000 mm L x 20.2 mm W x 40.8 mm H

PC Profile



ARC1617-PC-S

Dimension
1000 mm L x 19.5 mm W x 22.6 mm H

PC Curved Profile



ARC1617-PCC-S

Dimension
1000 mm L x 20.2 mm W x 20.8 mm H

Bend Diameter 300m

IP67 Connector *Supplied*



ARC1617-IPCON

Angle Mounting Bracket



ARC1617-AGM

Dimension
25.5 mm L x 15 mm W x 20.68 mm H

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ARCOFLEX Side Lit

Direct Illumination

The perfect strip lighting solution, the Arcoflex is built tough and designed to blend with the contours of any design or facade. With IP67 and IK08 as standard rating and further Chemical and UV resistance, the only limitation is your imagination and creative aspirations.

Physical

Dimensions

16 mm W x 17 mm H

Cut Increments

Every 50mm White
Every 71.4mm Tunable White
Every 83.3mm RGB
RGBW
RGB Pixels
RGBW Pixels

Maximum Wattage Run Length

White 15m @ 14.4 W/m
Tunable White 15m @ 13 W/m
RGB 13m @ 12.8 W/m
RGBW 9m @ 17 W/m
RGB Pixels 15m @ 16 W/m
RGBW Pixels 10m @ 22 W/m
Max run length 28m @ 4.8W, 3000K

Electrical

Power Consumption Range

White 14.4 W/m
Tunable White 13 W/m
RGB 12.8 W/m
RGBW 17 W/m
RGB Pixels 16 W/m
RGBW Pixels 22 W/m

Control Gear

24V Constant Voltage Remote IP20
IP67 Available on request

Luminous Efficacy

Up to 58.47 Lm/W @ 842 lm/m, 14.4 W/m, 3500K

Lumen Maintenance

54,000 hours (L70/B10 at T_a 25°C)
White
Tunable White

30,000 hours (L80 at T_a 25°C)

RGB
RGBW
RGB Pixels
RGBW Pixels

Dimming Options

Fixed Output
SwitchDIM
DALI-2

Control Options

Casambi
DMX for Pixels

Mounting Options

Surface Mounted
Recessed

Ambient Operating Temperature

T_a -25° to 45 °C (55°C @ 5W/m)

Finish Options

Encapsulated Silicone

Environmental

IP67
IK08
UV and Chemical Resistant

Photometrics

Flux Range

White 824 Lm/m @ 3000K / 4000K
Tunable White 781 Lm/m @ 2700K / 5300K
RGB 254 Lm/m
RGBW 548 Lm/m
RGB Pixels 299 Lm/m
RGBW Pixels 459 Lm/m
4.8W/m, 9.6W/m Available on request (White)

Beam Angle

110°

Light Source

LED Tape (SELV)

Correlated Colour Temperature

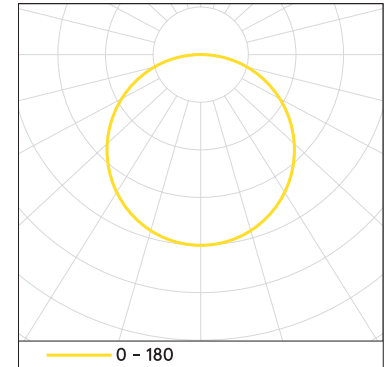
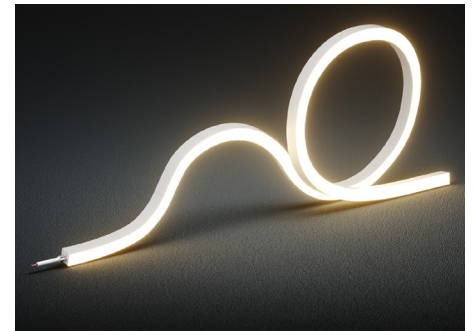
2200K / 2700K / 3000K / 3500K / 4000K / 5300K
RGB
RGBW
RGB/W Pixels

Colour Rendering Index

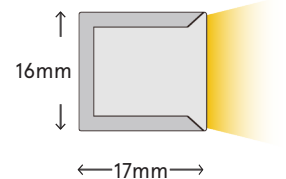
90+ White, 2SDCM
80+ RGB / RGBW, 3SDCM

Typical Max.Run Length

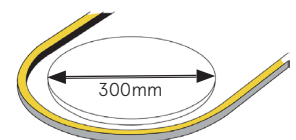
28m @ 4.8w/m
20m @ 9.6w/m
15m @ 14.4w/m



Side Lit



Bend Diameter



600mm Aluminium Extrusion
300mm Polycarbonate Extrusion

See page 4 for extrusions

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ARCOFLEX Side Lit

Additional Info

Warranty

Product

5 Years *White*

3 Years *RGB / RGBW*

Terms and conditions apply

Light Source

2 SDCM *White LED Strip*

3 SDCM *RGB / RGBW LED Strip*

Options

Cable Entry Options

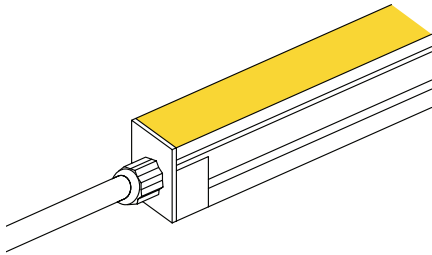
Length @ 300mm

Custom length is available upon request

Cable Connections

Side Lit

Built-in **Front Cable** Entry



Cable Connection Type

Built-in Cable Entry



Cable Entry Options

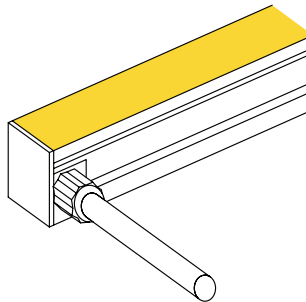
Length @ 300mm

Custom length is available upon request

Cable Connections

Side Lit

Built-in **Side Cable** Entry



Cable Entry Options

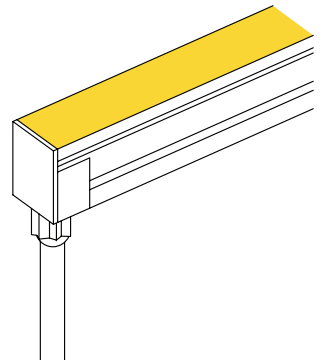
Length @ 300mm

Custom length is available upon request

Cable Connections

Side Lit

Built-in **Bottom Cable** Entry



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

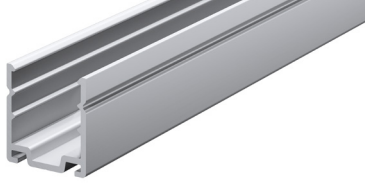
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ARCOFLEX Side Lit

Accessories

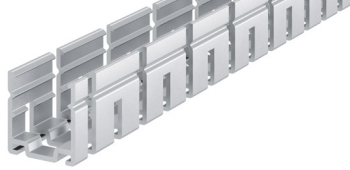
Straight Profile *Optional*
Available in 1m lengths



ARC1617-AP-S

Dimension
1000 mm L x 20.2 mm W x 20.8 mm H

Curved Profile *Optional*
Available in 1m lengths

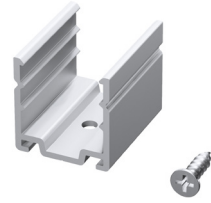


ARC1617-CR-S

Dimension
1000 mm L x 20.2 mm W x 20.8 mm H

Bend Diameter 600m

Mounting Kit *supplied*
3 x Clips per metre, screws



ARC1617-MK-S

Dimension
25 mm L x 20.2 mm W x 20.8 mm H

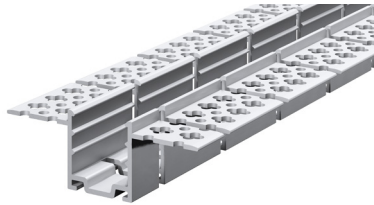
Recessed Profile



ARC1617-RT-S

Dimension
1000 mm L x 20.2 mm W x 19.9 mm H

Curved Trimless Profile



ARC1617-CT-S

Dimension
1000 mm L x 20.2 mm W x 16.6 mm H

Bend Diameter 600m

Straight Trimless Profile



ARC1617-TP-S

Dimension
1000 mm L x 20.2 mm W x 16.6 mm H

Bend Diameter 600m

Baffle Profile



ARC1617-BP-S

Dimension
1000 mm L x 20.2 mm W x 40.8 mm H

PC Profile



ARC1617-PC-S

Dimension
1000 mm L x 19.5 mm W x 22.6 mm H

PC Curved Profile



ARC1617-PCC-S

Dimension
1000 mm L x 20.2 mm W x 20.8 mm H

Bend Diameter 300m

IP67 Connector *Supplied*



ARC1617-IPCON

Angle Mounting Bracket



ARC1617-AGM

Dimension
25.5 mm L x 15 mm W x 20.68 mm H

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ARCOFLEX

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**.

ARCOFLEX (Top Lit / Side Lit) with (5 Year for White / 3 Years for RGB or RGBW) Product Warranty, as manufactured by mLight Pty Ltd. Product complete with LED Tape, integrated (DALI / Fixed Output / SwitchDIM / Casambi) control gear, supports for surface mounted. Dimensions (xxxx) mm long, with aluminium profile and curved profile. Finished in Encapsulated Silicone, IP67 rated, (xxxx) Lm/m, (xxxx) W/m, L70 B10 54,000 hrs at Ta 25°C. Installation as per MLight recommendations.

Coding System

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

EG: ARC1617-SM-TL-14W-9-30-ARC1617-AP-T- CAS

Mounting	Code	Finish	Code	Power Consumption	Code	CRI	Code	CCT / Light	Code	Accessories	Code	Dimming Option	Code
Surface Mounted	SM	Top Lit	TL	14.4 W/m	14W	90+	9	2700 K	27	See code under the line drawings		DALI-2	DA2
Recessed	REC	Side Lit	SL	13 W/m	13W	80+	8	3000 K	30			Fixed Output	FO
				12.8 W/m	12W			3500 K	35			SwitchDIM	SD
				17 W/m	17W			4000 K	40			Casambi	CAS
				16 W/m	16W			5300 K	53				
				22 W/m	22W			RGB	RGB				
								RGBW	RGBW				

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INTEGRATE LIGHT WITH LIFE, BEAUTIFULLY
