



SWERVE 47

Linear

Light, as you imagined

SWERVE 47

Direct – Square End Cap

The Swerve range offers aesthetic flexibility in the way you configure the interior environment. With specified – and custom – lengths, curves and shapes, you are able to unleash your lighting designs to create luminaires that integrate with life beautifully.

Physical

Dimensions

47 mm W x 95 mm H

Finish Options

Powdercoat Black, White, Silver

Other powdercoat colours available upon request

Decorative Timber, Concrete, Rust

Environmental

IP20

Weight

3.0 kg/m

Mounting Options

Wire Suspended

Rod Suspended

Surface Mounted

Ambient Operating Temperature

T_a 0° to 40°C

Electrical

Control Gear

Integrated & Remote *Flicker Free*

Subject to configuration

Power Consumption Range

5.0 to 29.5 W/m

Luminous Efficacy

Up to 104 lm/W @ 1460 lm/m, 14.0 W/m, CRI 80+,

T_c 65°C, Diffused

Lumen Maintenance

72,000 hours (L80/B10 at T_a 25°C)

Dimming Options

Fixed Output

1 - 10V

DSI

SwitchDIM

DALI-2

Control Options

MasterConnect *refer to pg 6 for more information*

Casambi

Photometrics

Flux Range

530 to 2830 lm/m @ 4000K, CRI 80+,

T_a max 40° C, Diffused

Typical Lumen Packages

1030 lm/m, 10.2 W/m

1420 lm/m, 14.7 W/m

1670 lm/m, 16.1 W/m

2060 lm/m, 20.3 W/m

2450 lm/m, 25.1 W/m

Other lumen packages available upon request

Distributions

Diffused

Indirect available *refer to pg 3*

Light Source

LED Boards SDCM<3

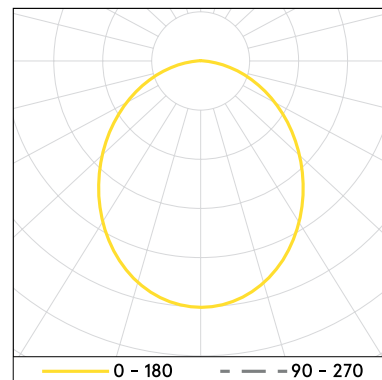
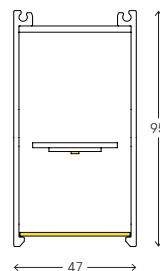
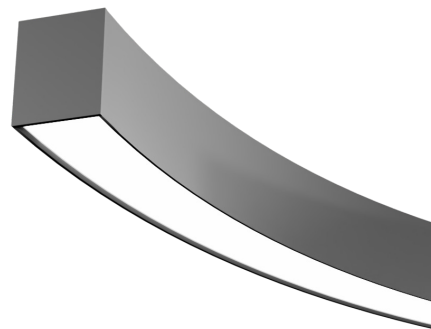
Correlated Colour Temperature

3000 K, 4000 K

RGB, RGBW Tape available

Colour Rendering Index

80+, 90+ available



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

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Direct - Round End Cap

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Physical

Dimensions

47 mm W x 95 mm H

Weight

3.0 kg/m

Finish Options

Powdercoat Black, White, Silver

Other powdercoat colours available upon request

Mounting Options

Wire Suspended

Rod Suspended

Surface Mounted

Decorative Timber, Concrete, Rust

Environmental

IP20

Ambient Operating Temperature

T_a 0° to 40°C

Electrical

Control Gear

Integrated & Remote *Flicker Free*

Subject to configuration

Power Consumption Range

5.0 to 29.5 W/m

Luminous Efficacy

Up to 104 lm/W @ 1460 lm/m, 14.0 W/m, CRI 80+,

T_c 65°C, Diffused

Lumen Maintenance

72,000 hours (L80/B10 at T_a 25°C)

Dimming Options

Fixed Output

1 - 10V

DSI

SwitchDIM

DALI-2

Control Options

MasterConnect *refer to pg 6 for more information*

Casambi

Photometrics

Flux Range

530 to 2830 lm/m @ 4000K, CRI 80+,

T_a max 40°C, Diffused

Typical Lumen Packages

1030 lm/m, 10.2 W/m

1420 lm/m, 14.7 W/m

1670 lm/m, 16.1 W/m

2060 lm/m, 20.3 W/m

2450 lm/m, 25.1 W/m

Other lumen packages available upon request

Distributions

Diffused

Indirect available *refer to pg 3*

Light Source

LED Boards *SDCM<3*

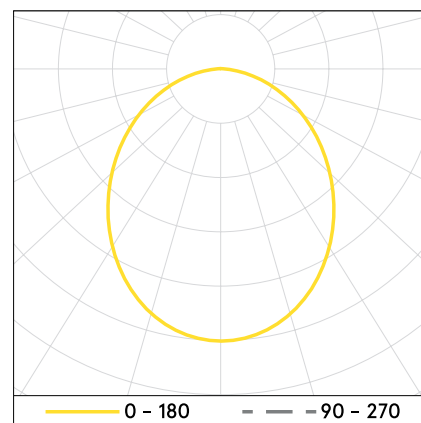
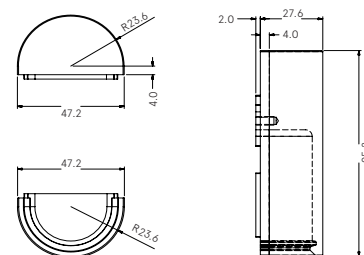
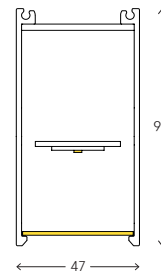
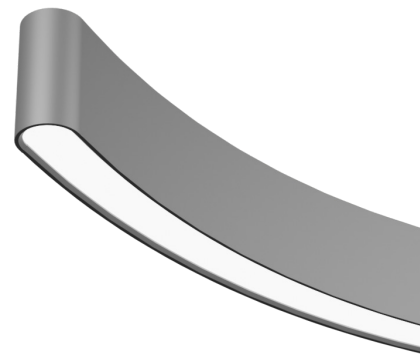
Correlated Colour Temperature

3000 K, 4000 K

RGB, RGBW Tape available

Colour Rendering Index

80+, 90+ available



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Indirect

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Physical

Dimensions

47 mm W x 95 mm H

Finish Options

Powdercoat Black, White, Silver

Other powdercoat colours available upon request

Decorative Timber, Concrete, Rust

Environmental

IP20

Weight

3.3 kg/m

Mounting Options

Wire Suspended

Rod Suspended

Ambient Operating Temperature

T_a 0° to 40° C

Electrical

Control Gear

Integrated & Remote *Flicker Free*

Subject to configuration

Power Consumption Range *indirect only*

5.0 to 25.1 W/m

Luminous Efficacy *indirect only*

Up to 126 lm/W @ 1760 lm/m, 14.0 W/m, CRI 80+,

T_a 65° C, Diffused-Up

Lumen Maintenance

72,000 hours (L80/B10 at T_a 25° C)

Dimming Options

Fixed Output

1 - 10V

DSI

SwitchDIM

DALI-2

Control Options

MasterConnect *refer to pg 6 for more information*

Casambi

Photometrics

Flux Range *indirect only*

640 to 2960 lm/m @ 4000K, CRI 80+,

T_a max 40° C, Diffused-Up

Typical Lumen Packages

1240 lm/m, 10.2 W/m

1710 lm/m, 14.7 W/m

Distributions

Diffused-Up

Light Source

LED Boards *SDCM<3*

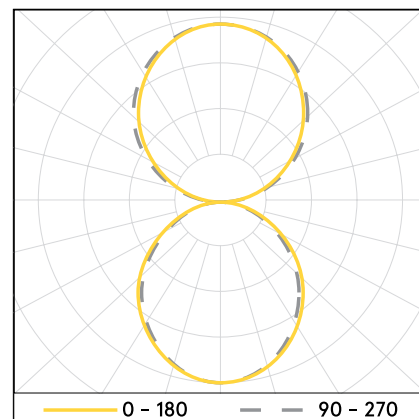
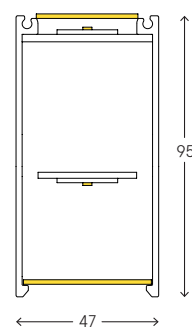
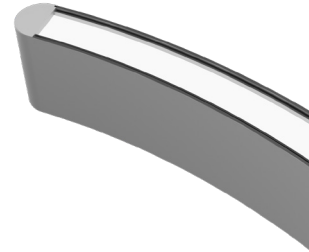
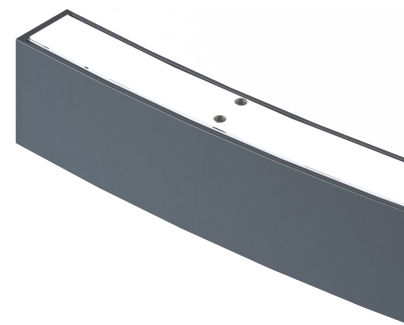
Correlated Colour Temperature

3000 K, 4000 K

RGB, RGBW Tape available

Colour Rendering Index

80+, 90+ available



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Recessed

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Physical

Dimensions

64 mm W x 80 mm H

Without bracket system

Finish Options

Powdercoat Black, White, Silver

Other powdercoat colours available upon request

Environmental

IP20

Weight

2.5 kg/m

Mounting Options

Recessed

Suitable surface material thickness 8 - 22 mm

Ambient Operating Temperature

T_a 0° to 40° C

Electrical

Control Gear

Integrated & Remote Flicker Free

Subject to configuration

Power Consumption Range

5.0 to 29.5 W/m

Luminous Efficacy

Up to 104 lm/W @ 1460 lm/m, 14.0 W/m, CRI 80+,

T_a 65° C, Diffused

Lumen Maintenance

72,000 hours (L80/B10 at T_a 25° C)

Dimming Options

Fixed Output

1 - 10V

DSI

SwitchDIM

DALI-2

Control Options

MasterConnect *refer to pg 6 for more information*

Casambi

Photometrics

Flux Range

530 to 2830 lm/m @ 4000K, CRI 80+,

T_a max 40° C, Diffused

Typical Lumen Packages

1030 lm/m, 10.2 W/m

1420 lm/m, 14.7 W/m

1670 lm/m, 16.1 W/m

2060 lm/m, 20.3 W/m

2450 lm/m, 25.1 W/m

Other lumen packages available upon request

Distributions

Diffused

Light Source

LED Boards SDCM<3

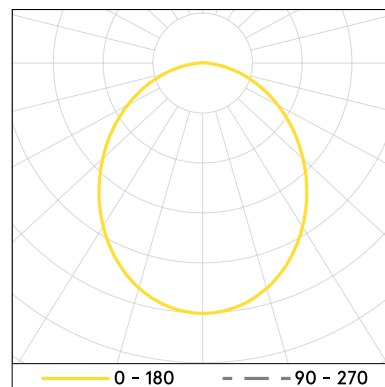
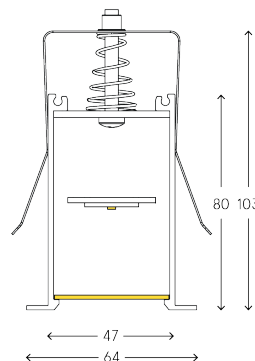
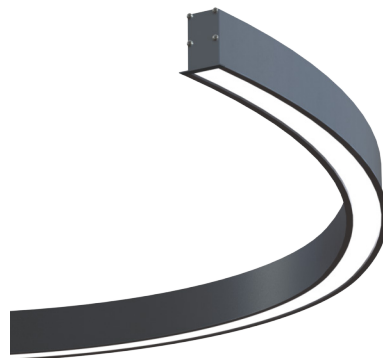
Correlated Colour Temperature

3000 K, 4000 K

RGB, RGBW Tape available

Colour Rendering Index

80+, 90+ available



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Options

Straight Sections refer to pg 6
Fixed and custom lengths available
Minimum 568 mm
Increase length by increments of 568 mm

Radius Sections refer to pg 6
Fixed and custom radii available
Minimum 725 mm with integrated control gear
Minimum 362.5 mm with remote control gear

Intersections refer to pg 6
Custom joining of sections available

Sensors
Occupancy
Daylight Harvesting



A lighting management ecosystem to allow businesses to easily optimise lighting comfort, save energy, gain valuable data insights and cost effectively scale to their environment as business needs evolve.

To be used in straight sections only - refer to Figure 1

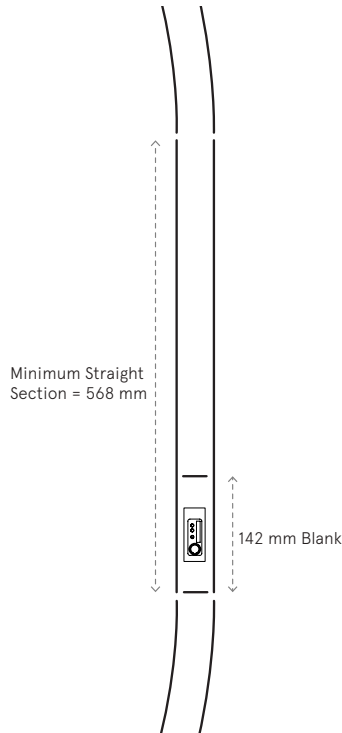


Figure 1 - Design Rules for MasterConnect

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

Warranty
Product
5 Years
Terms and conditions apply

MacAdam Ellipse
3SDCM

Colour Rendering Index refer to Figure 2
 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.

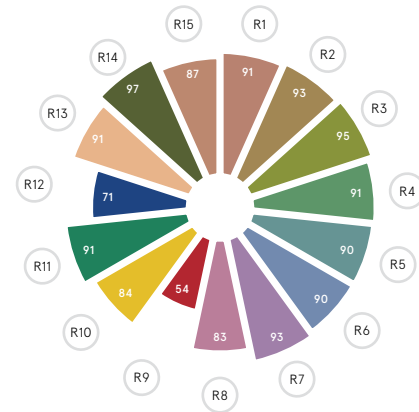


Figure 2 - Colour Rendering Index for 4000K, 90CRI

TM30 refer to Figure 3
 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).

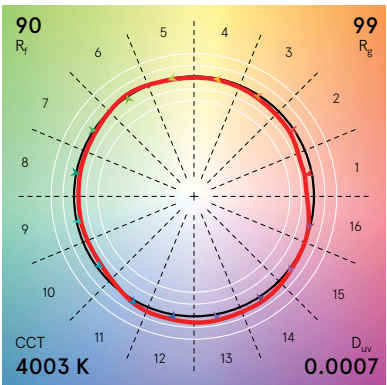


Figure 3 - Colour Vector Graphics for 4000K, 90CRI

Color Quality Scale refer to Figure 4
 Q_a 90
The CQS is a metric which involves several facets of colour quality, including colour rendering, chromatic discrimination and observer preferences. The scale uses fifteen highly saturated colours, chosen as they more accurately span the range of common object colours.

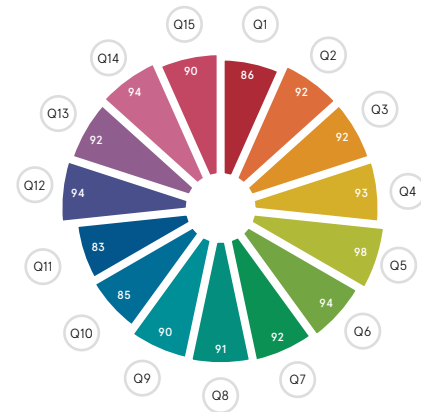
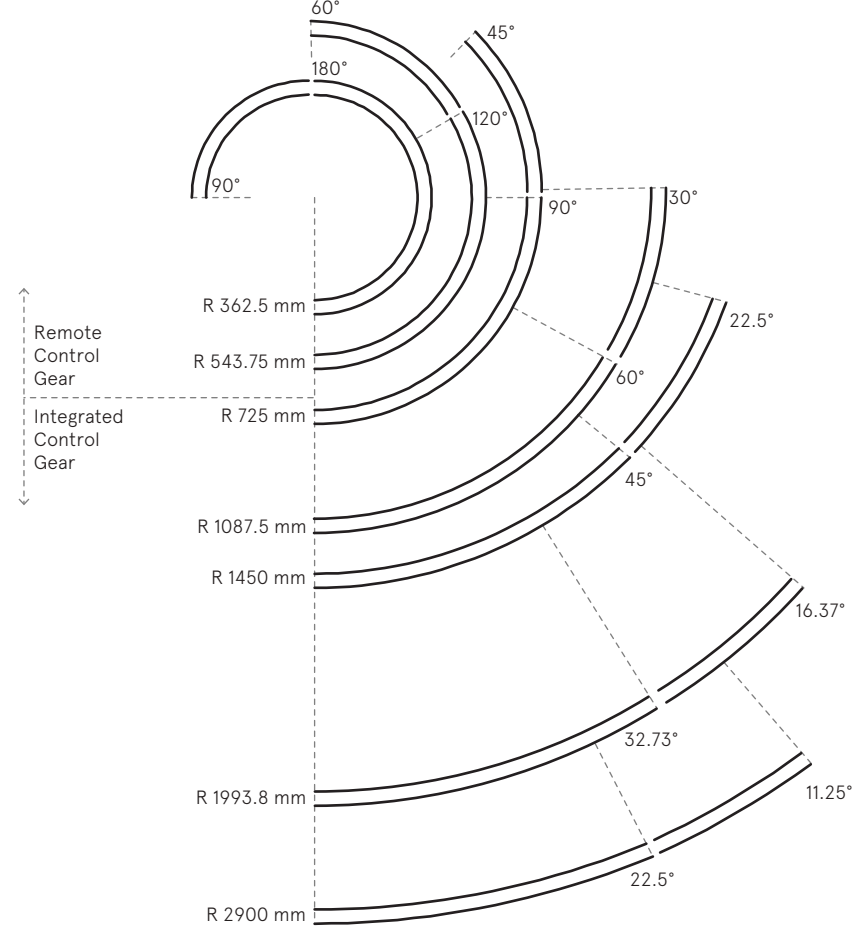


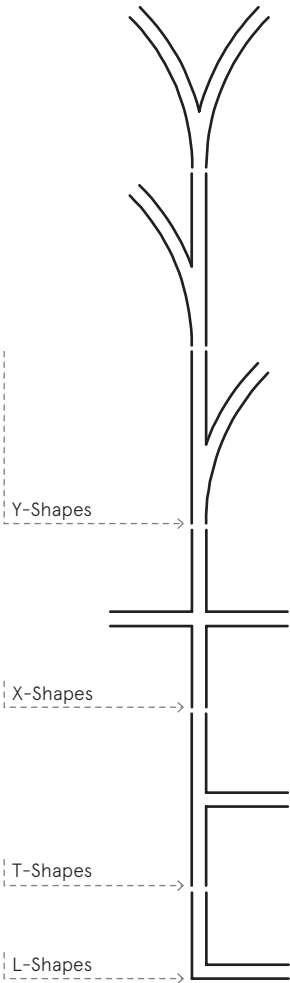
Figure 4 - Colour Quality Scale for 4000K, 90CRI

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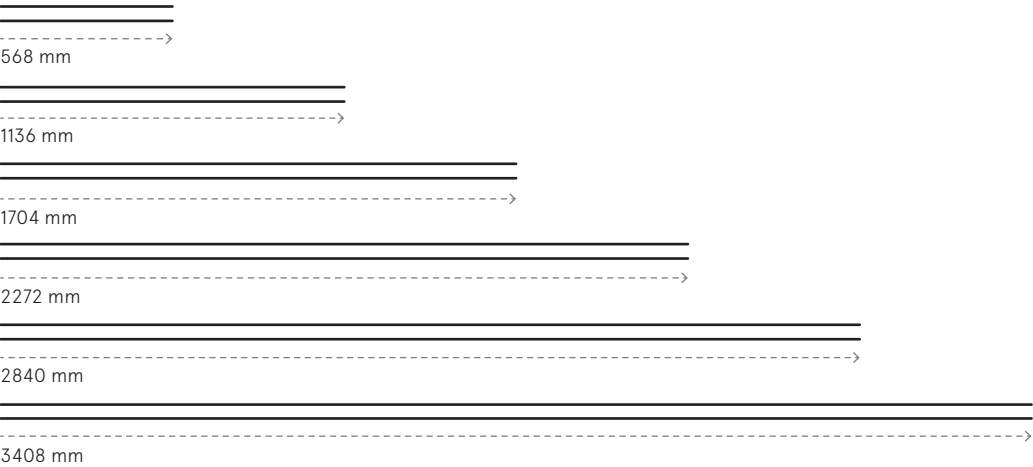
Curved Sections*



Intersections*



Straight Sections*



*Custom radii, straights, and intersections available. Discuss with your mLight representative for configurations.

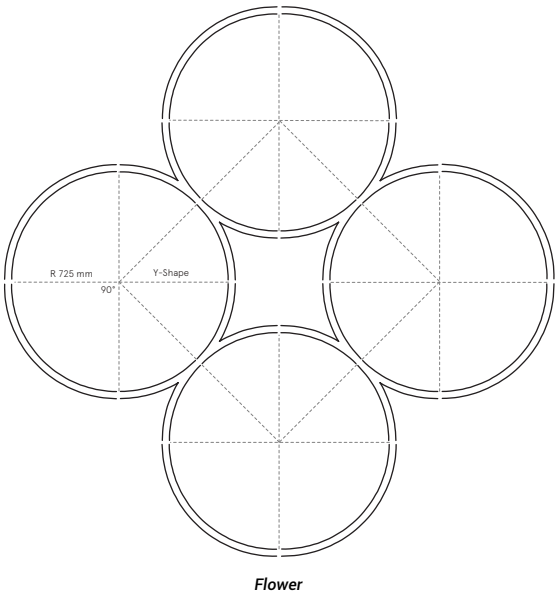
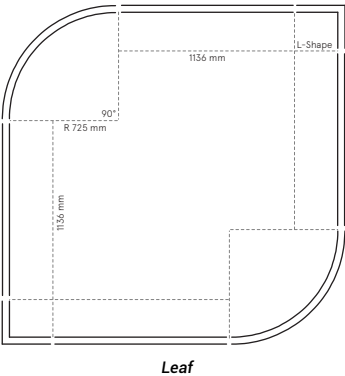
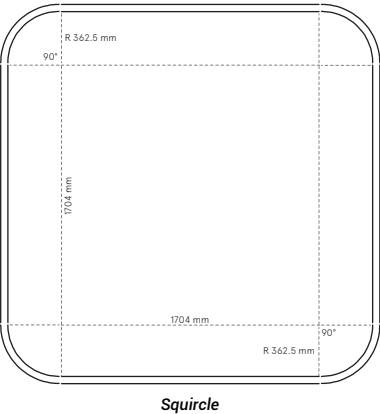
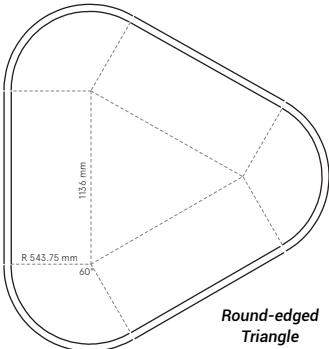
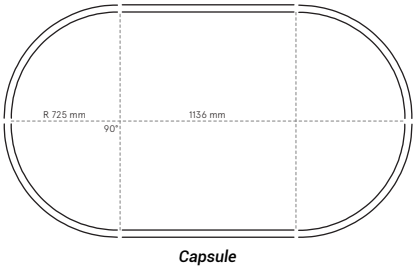
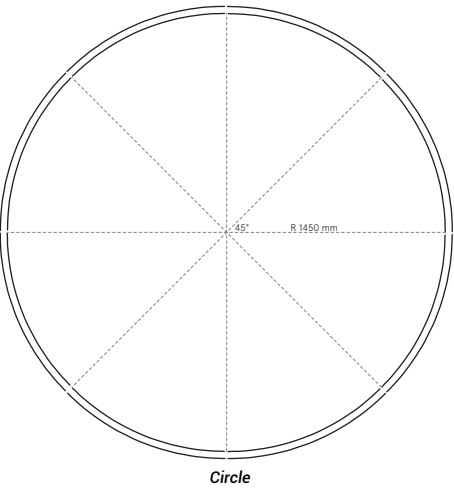
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Shape inspiration

These are several of the shapes that you can create using our standard curved sections, straight sections, and intersections. Kindly consult to our product consultant for the design of your choice.



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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**.

SWERVE 47 with 5 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 / DSI / SwitchDIM / Casambi / MasterConnect Ecosystem)** control gear, supports for **(Wire Suspended / Rod Suspended / Surface Mounted / Recessed)**. Dimensions 47 mm wide x 95 mm tall x **(xxxx)** mm long, including endcaps. Finished in **(Black PC / White PC / Silver PC / Decorative Coating / Custom Colour)**, IP20 rated, Direct Light with **Diffused** distribution, **(xxxx)** Lm/m, **(xxxx)** W/m, **Indirect Light with diffused distribution, (xxxx) Lm/m, (xxxx) W/m**, L80 F10 72,000 hrs at Ta 25°C. **MasterConnect shall be installed as per specification**. 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 **SWE47** and then follow on with additional codes.

EG: SWE47-RM-B-9-30-DIF-2060-D-UP-1240-DSI-PH

Mounting	Code	Finish	Code	CRI	Code	CCT / Light	Code	Direct Distribution	Code	Direct Lumen Package	Code	Indirect Distribution	Code	Indirect Lumen Package	Code	Dimming Option	Code	Sensors	Code
Rod Suspended	RS	Black PC	B	80+	8	3000 K	30	Diffused	DIF	MIN	MIN	Diffused-Up	D-UP	MIN	MIN	DALI-2	DALI-2	Phillips (Default)	PH
Wire Suspended	WS	White PC	W	90+	9	4000 K	40			1080	1080			1240	1240	Fixed Output	FO	Third Party*	TP
Surface Mounted	SM	Silver PC	S			RGB	RGB			1420	1420			1710	1710	1-10V	V		
Recessed	RM	Decorative Coating	D			RGBW	RGBW			1670	1670			MAX	MAX	DSI	DSI		
Combination	CM	Custom Colour	C							2060	2060			Custom	####	SwitchDIM	SD		
									2450	2450			Casambi	CAS					
									MAX	MAX			Master Connect	MT					
									Custom	####									

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