



SKYLINE FLEX 1010 SB

Flexible LED strip – side bend

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Flexible, silicone-encapsulated LED system. Designed to bend along its horizontal axis. Continuous and uniform light glow to imitate conventional neon tubes. IP67 protection level and IK08 impact rating. Efficacy rating up to 90 lm/W, L70 >50000 hours. 5 year warranty.

Base System:

Food-grade, flexible silicone extrusion. UV, flame, salt water and chlorine resistant. IP67 and IK08 rating.

Light Engine:

Flexible led module with multiple options of lumen output, CCT and CRI. Tunable White versions available.

Control Protocols:

Fixed output, DALI, Switch Dim, Casambi (pending LED driver configuration).

Optics:

Diffusive and transparent (clear) options

Mounting Options:

Aluminium profiles, Aluminium clips, Quick installation with IP connectors.

IP 67

IK 08





KEY ADVANTAGES

- High efficacy up to 90lm/W
- Food-grade silicone material, UV, flame, salt and chlorine resistant
- SELV 24 V operating voltage
- Great flexibility, compact dimensions, easy installation

GENERAL INFORMATION

Installation type	Surface Mounted with aluminium profile or aluminium clips
RCM Mark	Yes
Certifications	AS/NZS/IEC 60598, ROHS

HOUSING AND FINISH

Housing	Food grade silicone extrusion, matt finish
End plates	Molded endplates
Light distribution	Direct
Optics	Clear or diffusive silicone
Tightness level	IP 67
Impact resistance	IK 08

PERFORMANCE

Lumen package range (lm/m)	up to 1500lm/m
Power consumption range (W/m)	5 - 15

OPERATING CONDITIONS

Operating temperature range (Ta)	-40°C up to +60°C
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ELECTRICAL INFORMATION

Electrical class	Class III
Nominal voltage	24 V DC
Control protocol(s)	Fixed Output, DALI, Switch Dim, Casambi (depends on the LED driver configuration)
Control options	Based on application and design architecture

OPTICAL INFORMATION

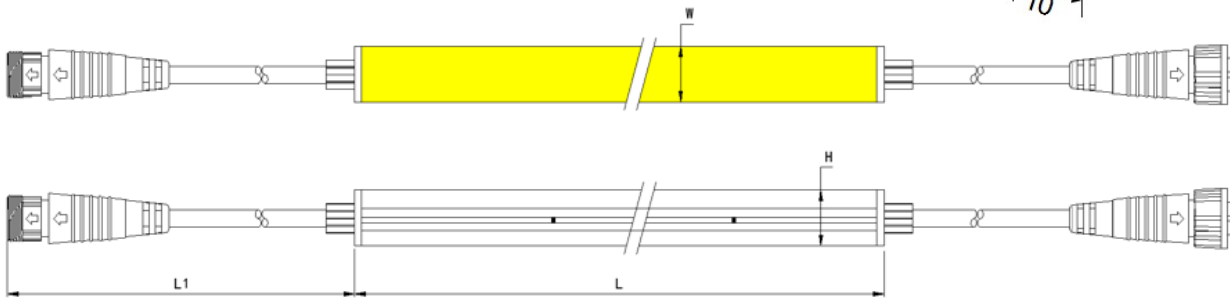
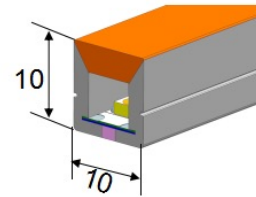
LED colour temperature	Standard: 3000K, 4000K Optional: 2700K, 5000K, 6500K, Tuneable white 2700K-6500K
Colour rendering index (CRI)	>80 Optional: >90
Standard Deviation Colour Matching (SDCM)	3 MacAdam Steps

RATED LUMEN MAINTENANCE

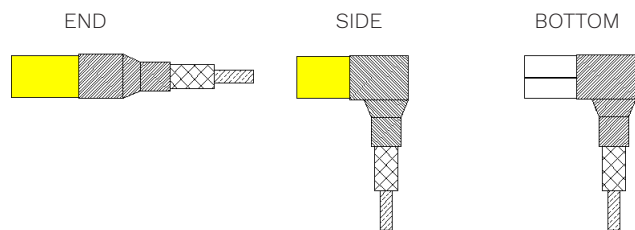
All configurations	L70>50,000h
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DIMENSIONS

W x H (mm)	10 x 10
L (mm)	5000 (standard reel). Customised length available (1000-8000)
L1 (mm)	300



POWER ENTRY OPTIONS

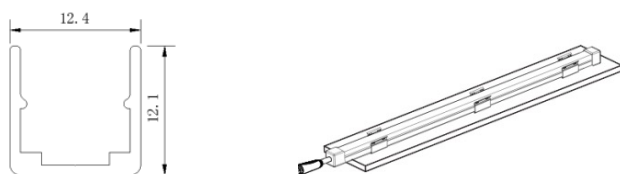


MOUNTING

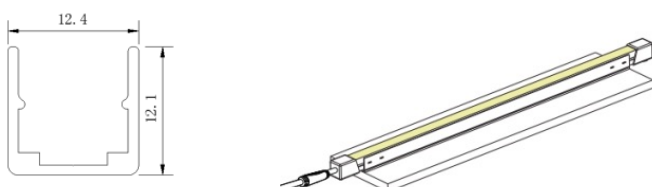


Side bend $\leq 200\text{mm}$

ALUMINIUM CLIP



ALUMINIUM PROFILE



PERFORMANCE

PRODUCT	BEND	SIZE (mm)	OPTICS	POWER (W)	CCT (K)	CRI	Lm	Lm/W
SKYLINE FLEX	SIDE BEND	1010	Diffused	5	4000	80	450	90
SKYLINE FLEX	SIDE BEND	1010	Diffused	10	4000	80	850	85
SKYLINE FLEX	SIDE BEND	1010	Diffused	15	4000	80	1200	80
SKYLINE FLEX	SIDE BEND	1010	Diffused	5	TW 2700-6500	80	375	75
SKYLINE FLEX	SIDE BEND	1010	Diffused	10	TW 2700-6500	80	700	70
SKYLINE FLEX	SIDE BEND	1010	Diffused	15	TW 2700-6500	80	900	65

Note: The above output values are 'delivered' lumens. This takes into consideration the optical efficacy of the luminaire. Above values are based on 4000K colour temperature and 25° C ambient temperature. Outputs for 1m length.

TO SPECIFY

Flexible, silicone-encapsulated LED system. Continuous and uniform light glow to imitate conventional neon tubes. IP67 protection level and IK08 impact rating. Efficacy rating up to 90 lm/W, L70 >50000 hours. 5 year warranty.