FS3-SB

12V LED IP20/65 Flexible Strip Systems

Key Features

- Energy saving LED solution, utilising multiple LEDs on a flexible backing

- Wide choice of fixed LED colours available

- Quick and simple to install using the self adhesive backing

- Can be dimmed using the appropriate driver

- IP20 and IP65 versions available

- High Output 24V LED option also available, see FS3-HB for details

Beam Angles

no optic

Overview

FS3-SB is a 12V flexible linear strip populated with a series of individual surface mounted Tri-Chip LEDs.

Supplied by the metre, it is available in a wide variety of single colours as well as the RGB colour change option. A cut point is provided at 100mm intervals along the strip for total versatility. The flexible foil backing dissipates the heat from the LEDs thus improving LED life colour stability.
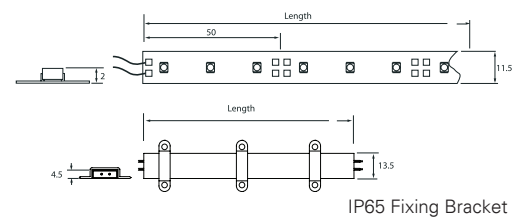
The foil backing is supplied with a self adhesive surface for quick and simple installation.

Lamp Colour Options

CW	Cool White	R	Red
WW	Warm White	G	Green
A	Amber	RB	Royal Blue
		RGB	Tri-Chip RBG

Dimensions

Length
50
2
11.5

Length
4.5
13.5

IP65 Fixing Bracket

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Installation

- IP20 version suitable for interior applications
- IP65 version suitable for exterior applications supplied in flexible polycarbonate sleeve and c/w mounting clips
- Surface mount with self adhesive backing
- Cut points with solder connection points every 50mm
- IP20 versions available in 1m increments up to 6m
- IP65 versions available in up to 6m
- Requires suitable driver - to be ordered separately

Materials

- Flexible circuit board

Lamp Options

- 1m = 60 LEDs
- 2m = 120 LEDs
- 3m = 180 LEDs
- 4m = 240 LEDs
- 5m = 300 LEDs
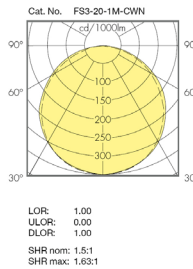- 6m = 360 LEDs

Power Input

- 12V DC = Single Colour

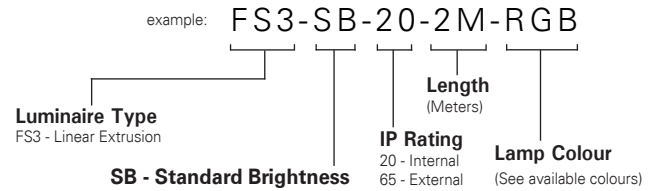## Power Consumption

- 4.8W/m = Single Colour

See FS3-HB for High Power
24V Single Colour and RGB
alternatives

Photometric Data

Cat. No.   FS3-20-1M-CWN

Utilisation factors / TM5											
Reflectances			Room Index								
C	W	F	0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0
70	50	20	60	68	76	81	88	93	96	101	103
	30	20	52	60	68	74	82	87	91	96	100
		10	47	55	63	69	77	83	87	93	97
50	50	20	58	66	73	78	85	89	92	97	99
	30		51	59	67	72	80	85	88	93	96
		10	46	54	62	67	75	81	85	90	94
30	50	20	57	64	71	75	82	86	89	93	95
	30		51	58	65	71	77	82	86	90	93
		10	46	54	61	66	74	79	83	88	91
0	0	0	44	51	58	63	70	75	79	83	86
BZ- Class			4	4	4	4	4	4	4	4	4

LOR: 1.00
ULOR: 0.00
DLOR: 1.00

SHR nom: 1.5:1
SHR max: 1.63:1

Ordering Codes

example: F S 3 - S B - 2 0 - 2 M - R G B

Luminaire Type
FS3 - Linear Extrusion

SB - Standard Brightness

IP Rating
20 - Internal
65 - External

Length
(Meters)

Lamp Colour
(See available colours)

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