

L1 -08091 MSC LED Ribbon

Features

- High density flexible LED light source
- High performance 3528 LED emitters
- 95+ CRI
- Easy to cut at intervals
- Wide 120° angle of emission
- Low power, low heat, long life
- 3M Adhesive backing tape



Applications: POS Display equipment & Backlighting

Configuration

Parameter	Rating	Unit
LED emitters PLCC 3528	1200 pcs 2.8x3.5mm	TOTAL / reel
	240 pcs 2.8x3.5mm	/metre
LED pitch	4.167	mm
Dimensions	5000x10mm	
Termination	2x Flying wire leads 200mm long	

Electrical Characteristics

Parameter	24v Rating	Unit
Input Voltage	24v Typical	Vdc
Current consumption / metre (max)	800mA	mA/m
Current consumption total (max)	4A	A/ TOT / reel
Power consumption / metre (max)	19.2W	W/m
Power consumption total (max)	96W +/- 5%	W/TOT / reel
Operating Temp	-20 to +45°C	°C
Storage Temp	-10 to +55°C	°C

Electro-optical characteristics Ta=25°C

	CCT typ.	Luminous Flux Typ. lm/m	CRI	Viewing Angle
Natural White	4000K	1582	>95	120°

Handling notes:

Ensure that the correct low voltage dc power supply is matched to the flexible strip specification
 Avoid repeated bending of the strip as this will damage the circuit and components and please observe the maximum bend radius of 60mm

Avoid handling of the surface components in particular the LED emitters as any pressure may result in damage and latent failures.
 When cutting IP65 the ingress protection will be compromised please ensure that the assembly is re-sealed accordingly in order to maintain the IP rating

Installation notes:

To achieve a consistent luminous effect, each 5 metre length should be connected to the power source.
 To ensure long life we recommend that the strip is kept as cool as possible and environments where the temperature exceeds 40°C should be avoided.

It is important to consider ambient temperature rise and to ensure that there is adequate ventilation. We recommend that the LED strips are applied to a heat conducting substrate such as aluminium profile.

High density LED strip is not recommended for use in sealed enclosures where temperatures may rise and heat cannot escape.