

- ✂ **High intensity LED technology**
- ✂ **Available in five colours**
- ✂ **Self flashing**
- ✂ **Internal battery**
- ✂ **Long battery life**
- ✂ **IP55**

DESCRIPTION

The emergency strobe type MFLA5 is a small explosion protected Ex ia LED based battery powered self-flashing strobe designed to be used in evacuation applications in hazardous areas such as underground coalmines. These applications include but are not limited to the indication of emergency egress routes and the marking of refuge chamber and oxygen rescuer cache locations.

The MFLA5 emergency strobe is designed to be installed in long cable strings or daisy chains spaced at 50 to 100 metres apart. The strobes are connected by a single pair cable that carries a control voltage that holds the emergency strobes in the off state. If this control voltage is removed or the cable is damaged the individual strobes will start flashing. The power for the strobe is derived from its internal battery.

The internal batteries have sufficient capacity to allow the emergency strobes to flash for several months. In the off state the batteries will last for two years before requiring change out.

The control voltage input to each strobe is optically coupled ensuring that a fault in one emergency strobe does not affect the operation of other strobes in the daisy chain.

The power consumption of each control input is about 2.5mA, making a typical daisy chain consume less than 100mA. The control input has a wide operating voltage range of 8 to 28 volts.



The low power consumption coupled with the wide control input voltage range allows strings of emergency strobes to be controlled directly from the surface by a suitable power supply or zener barrier.

The emergency strobe enclosure is fitted with a hole in each sidewall to allow cable glands to be fitted for the control signal cable.

The emergency strobe is available in five colours red, yellow, white, green and blue allowing the end user to select a colour best suited for the application.

CERTIFICATION

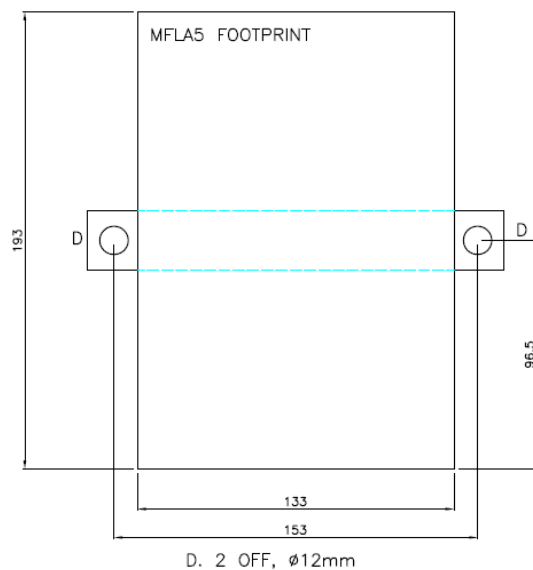
The Strobe type MFLA5-xx is IECEx certified for use in group I hazardous areas under certificate IECEx ITACS 08.0014X Ex ia I.

The emergency strobe is also MSHA approved under MSHA 18-A080018-0.

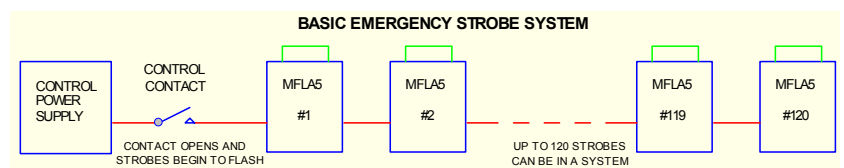
SPECIFICATION

GENERAL		MFLA5-CC PARAMETERS	
Name	Emergency strobe	U _i	28.0Vdc
Type	MFLA5-CC	I _i	3.0A
Colours	Red, yellow, white, green and blue	C _i	0uF
Control signal voltage	8.0 – 28.0Vdc	L _i	0uH
Control signal current	2.5mA max	U _o	0V
Flash rate	~ 1Hz		
Luminous intensity	>12,000mcd Red		
	>12,000mcd Yellow		
	>20,000mcd White		
	>18,000mcd Green		
	>5,400mcd Blue		
Termination	Screw clamp		
Conductor size	2.5mm ² or 12 AWG max		
Enclosure material	306 stainless steel		
Dimensions	193mm(H) x 132mm(W) x 110mm(D)		
Mounting	2 off 12mm holes in mounting bar		
Mounting centres	153mm		
Mounting bar thickness	6mm		
Ingress protection	IP55		
Operating temperature	-10°C to +50°C		
Mass	2kg		
System configuration	See user's manual 59-130-12		

MOUNTING DETAILS



TYPICAL APPLICATION



ORDERING DETAILS

MFLA5 – CC

COLOUR
 RD = RED
 YL = YELLOW
 WH = WHITE
 GN = GREEN
 BL = BLUE

COLOUR	MFLA5-CC ORDER CODE
RED	STROB26A
YELLOW	STROB26B
WHITE	STROB26C
GREEN	STROB26D
BLUE	STROB26E