Clifford & Snell

Yodalight®

YL80 Super Hi-Vis

Multi-Purpose Audible & Visual Signalling Device designed for use in Fire, Industrial & Marine applications with High Ambient Background Noise



PRODUCT FEATURES

- Max sound output 120 dB(A) @ 1m
- IP66 rated as standard
- High Brightness LED Beacon
- 32 selectable tones meeting international regulations
- Flame retardant ABS enclosure
- Stainless steel fixings
- 2 stage alarm
- Independently selectable second stage option
- Lens available in eight colours

Product Approvals

Marine Equipment Directive MED
Regulations EN 54-3:2014 incl. A1:2019
IEC 60092-504:2016 IEC 60533:2015
Module B (BSI/MED/3.53/756093)
Module D (BSI/MED/PC/756095)

UKCA BS EN 54-3 : 2001 + A1:2002 + A2:2006
Type B
0086-CPR-774029

Merchant Shipping (Marine Equipment)
Regulations EN 54-3:2014 incl. A1:2019,
IEC 60092-504:2016, IEC 60533:2015
Module B (BSI/UK/3.53/738807)
Module D (BSI/UK/PC/738808)

BS EN 54-3 : 2001 + A1:2002 + A2:2006
Type B
KM 713890

CE EN 54-3 : 2001 + A1:2002 + A2:2006
Type B
2797-CPR-713892

Compliant

UK +44 (0) 121 446 5322 FR +33 (0)1 70 72 12 71 uksales@moflash.co.uk exportsales@moflash.co.uk moflashkm@moflash.com
www.moflash.com

Issue 5

TECHNICAL DATA

Electrical Data	
Operating Voltage	Current Draw
24vDC --- (12 LED) 24vDC --- (25 LED)	535mA at Tone 1 565mA at Tone 1
48vDC ---	335mA
115vAC ~	235mA
230vAC ~	165mA

Mechanical data	
Enclosure Material	ABS FR UL94 5VB
Lens Material	PC FR UV Stable UL94 HB
External Fixings	Stainless Steel
Degree of Protection	IP66 (IEC60529)

Ambient Conditions	
Operating Temperatures	
Standard General	-35 °C to +70 °C
EN54 Pt:3 Fire	-25 °C to +55 °C
Storage Temperature	-40 °C to +70 °C
Max. Relative Humidity	93% ± 3 at 40 °C

Acoustic data	
Maximum Volume Output	120dB (A)
2 Stage Alarm with Independently Selectable tones via DIL Switch	

Luminous Characteristics		
Array Type	24vDC --- (*)	12 High Brightness LEDs
	24vDC --- (**)	25 High Brightness LEDs
	48vDC --- (**)	25 High Brightness LEDs
	115vAC ~ (**)	25 High Brightness LEDs
	230vAC ~ (**)	25 High Brightness LEDs
Flash Rate	(*) 60 FPM, (**) 60/120 FPM User selectable	

Mounting / Installation

Devices should be mounted to a suitable flat wall or bulkhead avoiding any undue vibration and using the two lugs projecting from the case. The lugs are bored 10mm on 250mm centres. The minimum length of fixing screw required is 30mm. To maintain the IP rating of the enclosure, the cable entries must be fitted with a suitably rated cable gland (included). Max cable termination 2.5mm ².

Line integrity on 24vDC systems

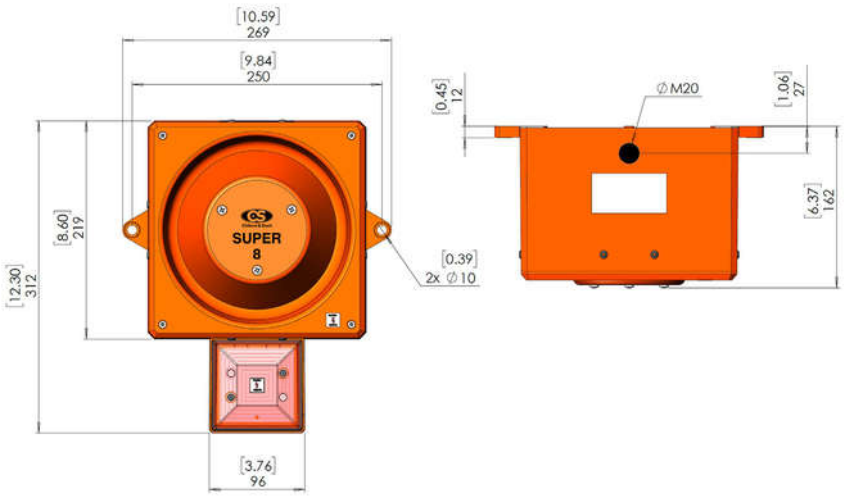
- For 3 wire 2 stage alarm system, monitor via reverse polarity.
- For 2 wire 2 stage alarm system, monitor via threshold, (applied voltage<1v) an end-of-line (E.O.L) resistor is required for line monitoring and should have a minimum resistance of 3k3 Ohms and 0.5 Watts, wire-wound or metal film type.

Multi-Stage Alarm

The YL80 Super Hi-Vis units are supplied with a 2 Stage Alarm option with Independently Selectable tones (see tone table on the installation sheet for details) across all voltage options as standard.

Dimensional Drawing

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding. All Dimensions in mm [inches] - Subject to alterations



Version	Enclosure Colour	Rated Operational Voltage	Lens Colour	Effective Candela (cd)	Order Number	Art. No.	Weight (kg)
YL80 Super Hi-Vis Sounder/LED combination BS EN 54 Pt:3 UKCA, CE, EU MED & UK MER	Red Flame (RF) RAL 2002	24vDC --- (12 LED)	Amber	9.22	YL80/DL/A/RF/HV/SU/WR	245370	3.2
			Red	8.93	YL80/DL/R/RF/HV/SU/WR	245371	3.2
			Green	27.52	YL80/DL/G/RF/HV/SU/WR	245372	3.2
			Opal	10.87	YL80/DL/O/RF/HV/SU/WR	245373	3.2
			Blue	8.18	YL80/DL/B/RF/HV/SU/WR	245374	3.2
			Clear	29.21	YL80/DL/C/RF/HV/SU/WR	245375	3.2
			Yellow	26.79	YL80/DL/Y/RF/HV/SU/WR	245376	3.2
			Magenta	6.6	YL80/DL/M/RF/HV/SU/WR	245377	3.2
		24vDC --- (25 LED)	Amber	62.31	YL80/DL/A/25/RF/HV/SU/WR	245826	3.2
			Red	55.12	YL80/DL/R/25/RF/HV/SU/WR	245827	3.2
			Green	69.23	YL80/DL/G/25/RF/HV/SU/WR	245828	3.2
			Opal	33	YL80/DL/O/25/RF/HV/SU/WR	245829	3.2
			Blue	10.27	YL80/DL/B/25/RF/HV/SU/WR	245830	3.2
			Clear	78.97	YL80/DL/C/25/RF/HV/SU/WR	245831	3.2
			Yellow	66.83	YL80/DL/Y/25/RF/HV/SU/WR	245832	3.2
			Magenta	19.12	YL80/DL/M/25/RF/HV/SU/WR	245833	3.2
		48vDC ~ (25 LED)	Amber	62.31	YL80/FL/A/RF/HV/SU/WR	245378	3.2
			Red	55.12	YL80/FL/R/RF/HV/SU/WR	245379	3.2
			Green	69.23	YL80/FL/G/RF/HV/SU/WR	245380	3.2
			Opal	33	YL80/FL/O/RF/HV/SU/WR	245381	3.2
			Blue	10.27	YL80/FL/B/RF/HV/SU/WR	245382	3.2
			Clear	78.97	YL80/FL/C/RF/HV/SU/WR	245383	3.2
			Yellow	66.83	YL80/FL/Y/RF/HV/SU/WR	245384	3.2
			Magenta	19.12	YL80/FL/M/RF/HV/SU/WR	245385	3.2
		115vAC ~ (25 LED)	Amber	62.31	YL80/LL/A/RF/HV/SU/WR	245386	3.67
			Red	55.12	YL80/LL/R/RF/HV/SU/WR	245387	3.67
			Green	69.23	YL80/LL/G/RF/HV/SU/WR	245388	3.67
			Opal	33	YL80/LL/O/RF/HV/SU/WR	245389	3.67
			Blue	10.27	YL80/LL/B/RF/HV/SU/WR	245390	3.67
			Clear	78.97	YL80/LL/C/RF/HV/SU/WR	245391	3.67
			Yellow	66.83	YL80/LL/Y/RF/HV/SU/WR	245392	3.67
			Magenta	19.12	YL80/LL/M/RF/HV/SU/WR	245393	3.67

SELECTION

Version	Enclosure Colour	Rated Operational Voltage	Lens Colour	Effective Candela (cd)	Order Number	Art. No.	Weight (kg)
YL80 Super Hi-Vis Sounder/LED combination BS EN 54 Pt:3 UKCA, CE, EU MED & UK MER	Red Flame (RF) RAL 2002	230vAC --- (25 LED)	Amber	62.31	YL80/NL/A/RF/HV/SU/WR	245394	3.67
			Red	55.12	YL80/NL/R/RF/HV/SU/WR	245395	3.67
			Green	69.23	YL80/NL/G/RF/HV/SU/WR	245396	3.67
			Opal	33	YL80/NL/O/RF/HV/SU/WR	245397	3.67
			Blue	10.27	YL80/NL/B/RF/HV/SU/WR	245398	3.67
			Clear	78.97	YL80/NL/C/RF/HV/SU/WR	245399	3.67
			Yellow	66.83	YL80/NL/Y/RF/HV/SU/WR	245490	3.67
			Magenta	19.12	YL80/NL/M/RF/HV/SU/WR	245491	3.67