



Clifford & Snell

Yodalight YL80

Multi-purpose Audible & Visual Signalling Device designed for use in Industrial & Marine applications



PRODUCT FEATURES

- Max sound output 116 dB(A) @ 1m
- IP66 rated as standard
- Beacon options include:
 - 5 Joule Xenon Strobe
 - 2.5 Joule Xenon Strobe
- 32 selectable tones meeting international regulations
- Flame retardant ABS enclosure
- Stainless steel fixings
- 2 stage alarm
- Independently selectable second stage
- Lens available in eight colours

Product Approvals



Marine Equipment Directive MED
Compliant



Compliant



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/MED/UK/738808)



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



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Type B



Compliant

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Issue 1

TECHNICAL DATA

Electrical Data	
Operating Voltage	Current Draw
24vDC ---	640mA
48vDC ---	435mA
115vAC ~	260mA
230vAC ~	175mA

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	116dB (A)
2 Stage Alarm with Independently Selectable tones via DIL Switch	

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 2.5mm².

Luminous Characteristics	
Xenon Tube	5J Output (2.5J Option Available)
Flash Rate	60 FPM
Lens Colour	Effective Candela (cd) (5J Xenon)
Clear	72.10
Red	8.92
Amber	25.52
Blue	14.09
Green	29.70
Opal	65.78

Line integrity on DC systems

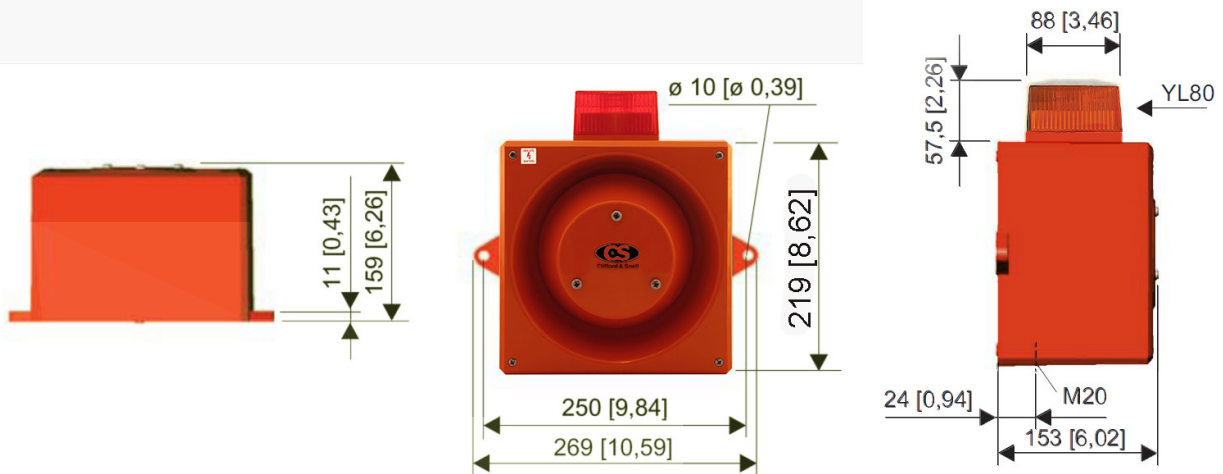
- For 3 wire 2 stage alarm system, monitor via reverse polarity.
- For 2 wire 2 stage alarm system, monitor via threshold, (applied voltage < 1v) an end-of-line (E.O.L) resistor is required for line monitoring and should have a minimum resistance of 3k3 Ohms and 0.5 Watts, wire-wound or metal film type.

Multi-Stage Alarm

The YL80 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



SELECTION

Version	Enclosure Colour	Flash Energy	Rated Operational Voltage	Lens Colour	Order number	Art. No.	Weight (kg)
YL80 Sounder/ Strobe combination BS EN 54 Pt:3 UKCA, CE & MED	Red Flame (RF) RAL 2002	5 J	24vDC ---	Amber	YL80/D50/A/RF/WR	204678	3.210
				Red	YL80/D50/R/RF/WR	204697	3.210
				Green	YL80/D50/G/RF/WR	212022	3.210
				Opal	YL80/D50/O/RF/WR	212024	3.210
				Blue	YL80/D50/B/RF/WR	204684	3.210
				Clear	YL80/D50/C/RF/WR	212025	3.210
			48vDC ---	Amber	YL80/F50/A/RF/WR	220005	3.210
				Red	YL80/F50/R/RF/WR	205522	3.210
				Green	YL80/F50/G/RF/WR		3.210
				Opal	YL80/F50/O/RF/WR		3.210
				Blue	YL80/F50/B/RF/WR		3.210
				Clear	YL80/F50/C/RF/WR		3.210
			115vAC ~	Amber	YL80/L50/A/RF/WR	204703	3.580
				Red	YL80/L50/R/RF/WR	204711	3.580
				Green	YL80/L50/G/RF/WR	212026	3.580
				Opal	YL80/L50/O/RF/WR	212027	3.580
				Blue	YL80/L50/B/RF/WR	212028	3.580
				Clear	YL80/L50/C/RF/WR	212029	3.580
			230vAC ~	Amber	YL80/N50/A/RF/WR	204720	3.580
				Red	YL80/N50/R/RF/WR	204738	3.580
				Green	YL80/N50/G/RF/WR	212030	3.580
				Opal	YL80/N50/O/RF/WR	212061	3.580
				Blue	YL80/N50/B/RF/WR	212062	3.580
				Clear	YL80/N50/C/RF/WR	212062	3.580
Purple (Magenta) & Yellow Beacon Lenses available upon request.							