



Clifford & Snell

Yodalight YL40

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

PRODUCT FEATURES

- Max sound output 108 dB(A) @ 1m
- IP65 rated as standard
- Beacon options include:
 - 5 Joule Xenon Strobe
 - 2.5 Joule Xenon Strobe (optional)
 - High brightness LED (optional)
- 32 selectable tones meeting international regulations
- Flame retardant ABS enclosure
- Robust, reliable and simple to install
- Stainless steel fixings
- 2 stage alarm
- Independently selectable second stage (optional)
- Low current consumption
- Lens available in 8 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)



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/UK/PC/738808)



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



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



Compliant

TECHNICAL DATA

Electrical Data		
Operating Voltage	Current Draw	
		5J Xenon
24vDC ---	345mA	70mA
48vDC ---	190mA	NA
115vAC ~	130mA	NA
230vAC ~	95mA	NA

Mechanical Data	
Enclosure Material	ABS FR UL94 5VB
Lens Material	PC FR UV Stable UL94 HB
External Fixings	Stainless Steel
Degree of Protection	IP65 (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	108dB (A)
Volume Control Adjustment	-18 dB (A)
2 Stage Alarm with predetermined second stage as standard.	
Selectable second stage option available (DC units only) (2)	

Mounting / Installation

For ease of installation the Sounder and Beacons are supplied loose from the mounting back box. The back box must be mounted with the two cable entries either at the top or the bottom. The back box should be mounted to a suitable flat wall, bulkhead or conduit box avoiding areas of undue vibration and using the internal fixing point options in the back box. Always use the mounting gasket supplied. The recommended fixing screws are 4.5mm Dia x 20mm long. To maintain the IP rating of the enclosure the cable entries must be fitted with a suitably rated cable gland (Not Supplied). 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

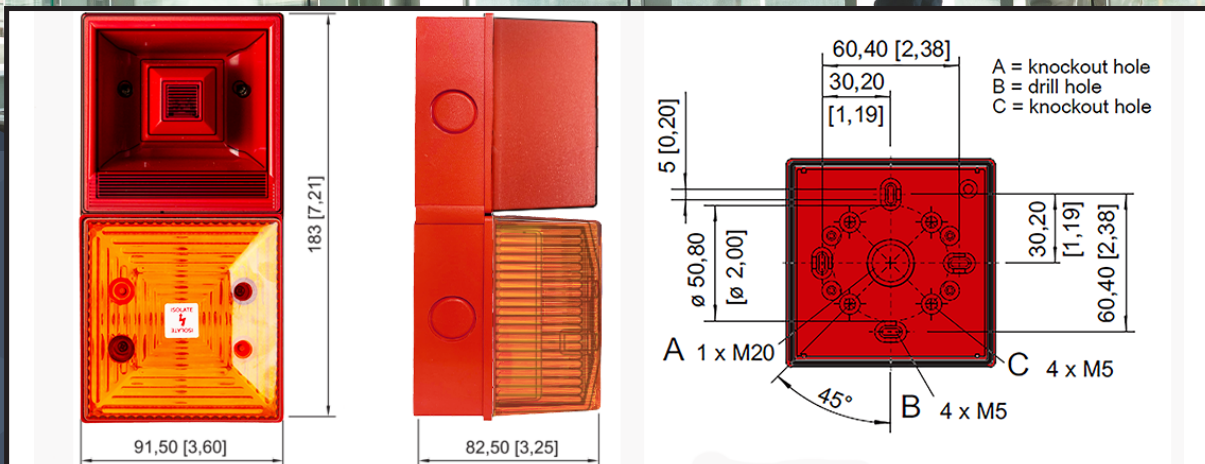
- For 3 wire 2 stage alarm system, monitor via reverse polarity.
- For 2 wire 2 stage alarm system, monitor via threshold, (applied voltage < 1v) an end-of-line (E.O.L) resistor is required for line monitoring and should have a minimum resistance of 3k3 Ohms and 0.5 Watts, wire-wound or metal film type.

Multi-Stage Alarm Options

Standard units offer a 2 stage alarm system with a predetermined second stage (see tone table on the installation sheet for details) A selectable second stage option is available for DC units only with the (2) prefix code in the selection table on page 3.

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)
YL40 Sounder/ Xenon Strobe combination BS EN 54 Pt:3 UKCA, CE & MED	Red Normal (RN) RAL 3001	5 J	24vDC ---	Amber	YL40/D50/A/RN/WR	204507	0.510
				Red	YL40/D50/R/RN/WR	204540	0.510
				Green	YL40/D50/G/RN/WR	211992	0.510
				Opal	YL40/D50/O/RN/WR	204527	0.510
				Blue	YL40/D50/B/RN/WR	204518	0.510
				Clear	YL40/D50/C/RN/WR	211993	0.510
			24vDC --- Independently Selectable 2 nd Stage Version	Amber	YL40/D50/A/RN/WR(2)		0.510
				Red	YL40/D50/R/RN/WR(2)		0.510
				Green	YL40/D50/G/RN/WR(2)		0.510
				Opal	YL40/D50/O/RN/WR(2)		0.510
				Blue	YL40/D50/B/RN/WR(2)		0.510
				Clear	YL40/D50/C/RN/WR(2)		0.510
			48vDC ---	Amber	YL40/F50/A/RN/WR	214045	0.510
				Red	YL40/F50/R/RN/WR	204547	0.510
				Green	YL40/F50/G/RN/WR		0.510
				Opal	YL40/F50/O/RN/WR		0.510
				Blue	YL40/F50/B/RN/WR		0.510
				Clear	YL40/F50/C/RN/WR		0.510
			115vAC ~	Amber	YL40/L50/A/RN/WR	204552	0.570
				Red	YL40/L50/R/RN/WR	204562	0.570
				Green	YL40/L50/G/RN/WR	204557	0.570
				Opal	YL40/L50/O/RN/WR	211994	0.570
				Blue	YL40/L50/B/RN/WR	211995	0.570
				Clear	YL40/L50/C/RN/WR	211996	0.570
			230vAC ~	Amber	YL40/N50/A/RN/WR	204570	0.570
				Red	YL40/N50/R/RN/WR	204588	0.570
				Green	YL40/N50/G/RN/WR	211997	0.570
Opal	YL40/N50/O/RN/WR	211998		0.570			
Blue	YL40/N50/B/RN/WR	211999		0.570			
Clear	YL40/N50/C/RN/WR	212000		0.570			
Purple (Magenta) & Yellow Beacon Lenses available upon request.							
24vAC versions are available upon request							

SELECTION

Version	Enclosure Colour	Output	Rated Operational Voltage	Lens Colour	Order Number	Art. No.	Weight (kg)			
YL40 Sounder/LED combination BS EN 54 Pt:3 UKCA, CE & MED	Red Normal (RN) RAL 3001	12 High Output LEDs	24vDC	Amber	YL40/DL/A/RN/WR	245180	0.510			
				Red	YL40/DL/R/RN/WR	245181	0.510			
				Green	YL40/DL/G/RN/WR	245182	0.510			
				Opal	YL40/DL/O/RN/WR	245183	0.510			
				Blue	YL40/DL/B/RN/WR	245184	0.510			
				Clear	YL40/DL/C/RN/WR	245185	0.510			
			24vDC Independently Selectable 2 nd Stage Version	Amber	YL40/DL/A/RN/WR(2)		0.510			
				Red	YL40/DL/R/RN/WR(2)		0.510			
				Green	YL40/DL/G/RN/WR(2)		0.510			
				Opal	YL40/DL/O/RN/WR(2)		0.510			
				Blue	YL40/DL/B/RN/WR(2)		0.510			
				Clear	YL40/DL/C/RN/WR(2)		0.510			
			Purple (Magenta) & Yellow Beacon Lenses available upon request.							
			24vAC versions are available upon request							