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:
  - High Brightness LED
  - 5 Joule Xenon Strobe
  - 2. 5 Joule Xenon Strobe (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)

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

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

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

Compliant

UK +44 (0) 121 446 5322 FR +33 (0) 170 721 271 uksales@moflash.co.uk exportsales@moflash.co.uk KM-europ@moflash.com
www.moflash.com

Issue 3

TECHNICAL DATA

Electrical Data		
Operating Voltage	Current Draw	
	LED	Xenon
24vDC ---	70mA at Tone 1	345mA
48vDC ---	106mA	190mA
115vAC ~	80mA	140mA
230vAC ~	56mA	130mA

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)

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)	

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

Luminous Characteristics		
Array Type	Voltage	Power/Output Type
LED	24vDC --- (*)	12 High Brightness LEDs
	48vDC --- (**)	25 High Brightness LEDs
	115vAC ~ (**)	25 High Brightness LEDs
	230vAC ~ (**)	25 High Brightness LEDs
Xenon	24vDC --- (*)	5 Joule Output
	48vDC --- (*)	5 Joule Output
	115vAC ~ (*)	5 Joule Output
	230vAC ~ (*)	5 Joule Output
Flash Rate	(*) 60 FPM, (**) 60/120 FPM User Selectable	

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.

Line integrity on 24vDC systems

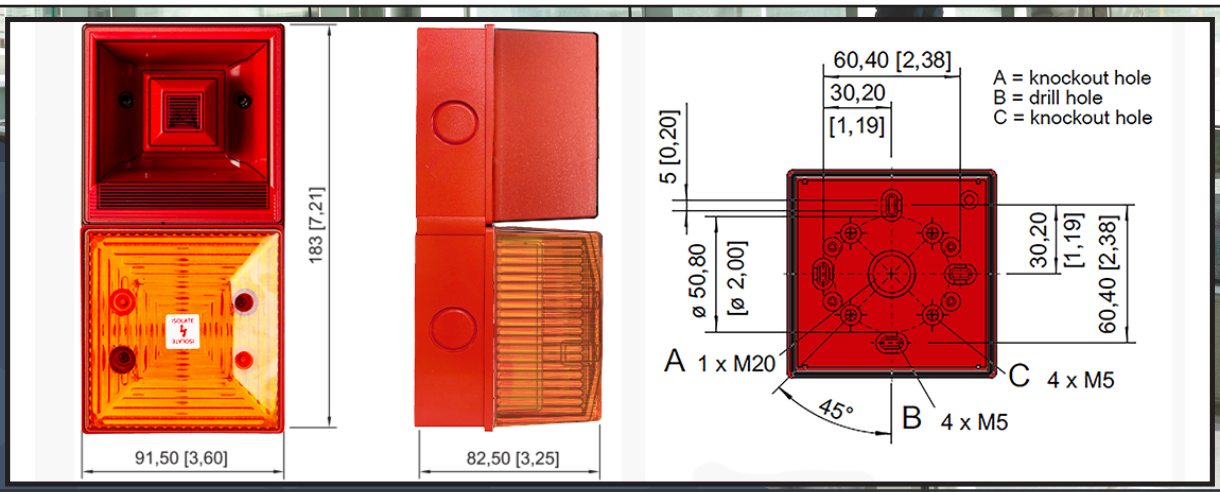
- For 3 wire 2 stage alarm system, monitor via reverse polarity.
- For 2 wire 2 stage alarm system, monitor via threshold, (applied voltage<1v) an end-of-line (E.O.L) resistor is required for line monitoring and should have a minimum resistance of 3k3 Ohms and 0.5 Watts, wire-wound or metal film type.

Multi-Stage Alarm 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	Rated Operational Voltage	Lens Colour	Effective Candela (cd)	Order Number	Art. No.	Weight (kg)
YL40 Sounder/LED combination BS EN 54 Pt:3 UKCA, CE & MED	**Red Normal** (RN) RAL 3001	24vDC ---	Amber	9.22	YL40/DL/A/RN/WR	245180	0.51
			Red	8.93	YL40/DL/R/RN/WR	245181	0.51
			Green	27.52	YL40/DL/G/RN/WR	245182	0.51
			Opal	10.87	YL40/DL/O/RN/WR	245183	0.51
			Blue	8.18	YL40/DL/B/RN/WR	245184	0.51
			Clear	29.21	YL40/DL/C/RN/WR	245185	0.51
			Yellow	26.79	YL40/DL/Y/RN/WR	245186	0.51
			Magenta	6.6	YL40/DL/M/RN/WR	245187	0.51
		24vDC --- Independently Selectable 2nd Stage Version	Amber	9.22	YL40/DL/A/RN/WR(2)	245220	0.51
			Red	8.93	YL40/DL/R/RN/WR(2)	245221	0.51
			Green	27.52	YL40/DL/G/RN/WR(2)	245222	0.51
			Opal	10.87	YL40/DL/O/RN/WR(2)	245223	0.51
			Blue	8.18	YL40/DL/B/RN/WR(2)	245224	0.51
			Clear	29.21	YL40/DL/C/RN/WR(2)	245225	0.51
			Yellow	26.79	YL40/DL/Y/RN/WR(2)	245226	0.51
			Magenta	6.6	YL40/DL/M/RN/WR(2)	245227	0.51
		48vDC ---	Amber	62.31	YL40/FL/A/RN/WR	245188	0.51
			Red	55.12	YL40/FL/R/RN/WR	245189	0.51
			Green	69.23	YL40/FL/G/RN/WR	245190	0.51
			Opal	33	YL40/FL/O/RN/WR	245191	0.51
			Blue	10.27	YL40/FL/B/RN/WR	245192	0.51
			Clear	78.97	YL40/FL/C/RN/WR	245193	0.51
			Yellow	66.83	YL40/FL/Y/RN/WR	245194	0.51
			Magenta	19.12	YL40/FL/M/RN/WR	245195	0.51
		115vAC ~	Amber	62.31	YL40/LL/A/RN/WR	245196	0.57
			Red	55.12	YL40/LL/R/RN/WR	245197	0.57
			Green	69.23	YL40/LL/G/RN/WR	245198	0.57
			Opal	33	YL40/LL/O/RN/WR	245199	0.57
			Blue	10.27	YL40/LL/B/RN/WR	245200	0.57
			Clear	78.97	YL40/LL/C/RN/WR	245201	0.57
			Yellow	66.83	YL40/LL/Y/RN/WR	245202	0.57
			Magenta	19.12	YL40/LL/M/RN/WR	245203	0.57

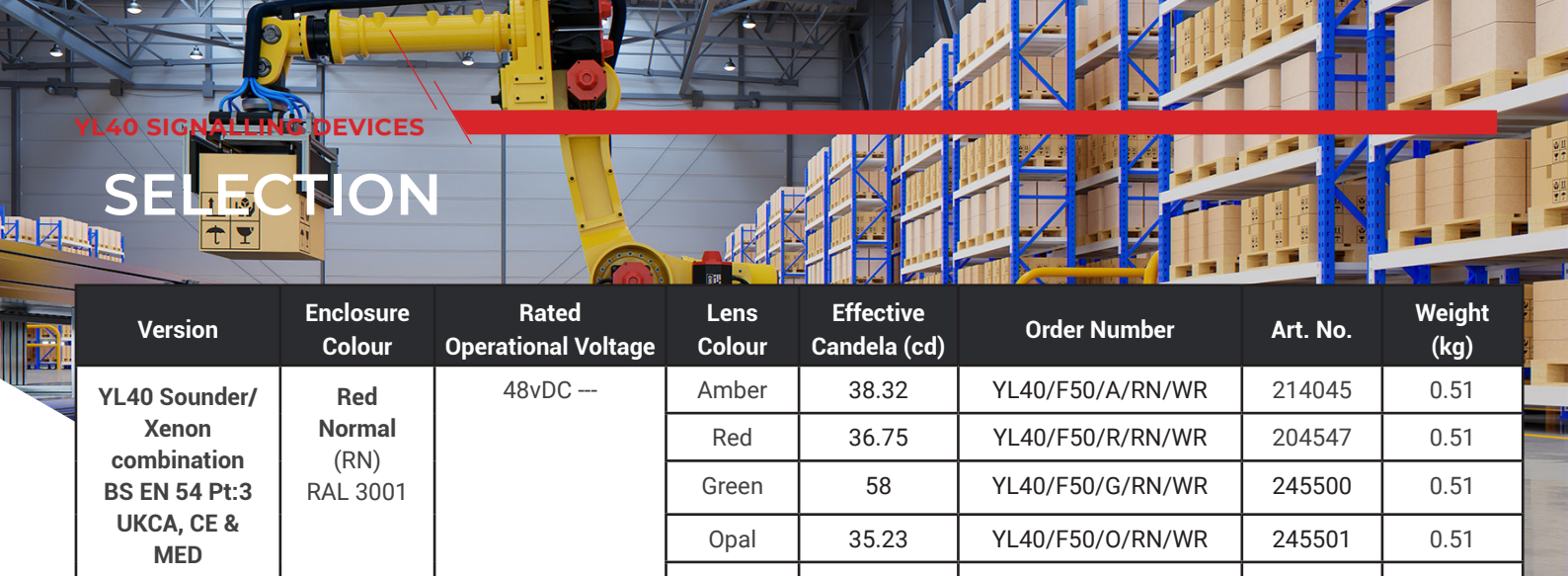


SELECTION

Version	Enclosure Colour	Rated Operational Voltage	Lens Colour	Effective Candela (cd)	Order Number	Art. No.	Weight (kg)
YL40 Sounder/LED combination BS EN 54 Pt:3 UKCA, CE & MED	**Red Normal** (RN) RAL 3001	230vAC ~	Amber	62.31	YL40/NL/A/RN/WR	245204	0.57
			Red	55.12	YL40/NL/R/RN/WR	245205	0.57
			Green	69.23	YL40/NL/G/RN/WR	245206	0.57
			Opal	33	YL40/NL/O/RN/WR	245207	0.57
			Blue	10.27	YL40/NL/B/RN/WR	245208	0.57
			Clear	78.97	YL40/NL/C/RN/WR	245209	0.57
			Yellow	66.83	YL40/NL/Y/RN/WR	245210	0.57
			Magenta	19.12	YL40/NL/M/RN/WR	245211	0.57
	White Normal (WN) RAL 9003	24vDC ---	Amber	9.22	YL40/DL/A/WN/WR	245230	0.51
			Red	8.93	YL40/DL/R/WN/WR	245231	0.51
			Green	27.52	YL40/DL/G/WN/WR	245232	0.51
			Opal	10.87	YL40/DL/O/WN/WR	245233	0.51
			Blue	8.18	YL40/DL/B/WN/WR	245234	0.51
			Clear	29.21	YL40/DL/C/WN/WR	245235	0.51
			Yellow	26.79	YL40/DL/Y/WN/WR	245236	0.51
			Magenta	6.6	YL40/DL/M/WN/WR	245237	0.51
		24vDC --- Independently Selectable 2nd Stage Version	Amber	9.22	YL40/DL/A/WN/WR(2)	245270	0.51
			Red	8.93	YL40/DL/R/WN/WR(2)	245271	0.51
			Green	27.52	YL40/DL/G/WN/WR(2)	245272	0.51
			Opal	10.87	YL40/DL/O/WN/WR(2)	245273	0.51
			Blue	8.18	YL40/DL/B/WN/WR(2)	245274	0.51
			Clear	29.21	YL40/DL/C/WN/WR(2)	245275	0.51
			Yellow	26.79	YL40/DL/Y/WN/WR(2)	245276	0.51
			Magenta	6.6	YL40/DL/M/WN/WR(2)	245277	0.51
		48vDC ---	Amber	62.31	YL40/FL/A/WN/WR	245238	0.57
			Red	55.12	YL40/FL/R/WN/WR	245239	0.57
			Green	69.23	YL40/FL/G/WN/WR	245240	0.57
			Opal	33	YL40/FL/O/WN/WR	245241	0.57
			Blue	10.27	YL40/FL/B/WN/WR	245242	0.57
			Clear	78.97	YL40/FL/C/WN/WR	245243	0.57
			Yellow	66.83	YL40/FL/Y/WN/WR	245244	0.57
			Magenta	19.12	YL40/FL/M/WN/WR	245245	0.57

SELECTION

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YL40 Sounder/LED combination BS EN 54 Pt:3 UKCA, CE & MED	**White Normal** (WN) RAL 9003	115vAC ~	Amber	62.31	YL40/LL/A/WN/WR	245246	0.57
			Red	55.12	YL40/LL/R/WN/WR	245247	0.57
			Green	69.23	YL40/LL/G/WN/WR	245248	0.57
			Opal	33	YL40/LL/O/WN/WR	245249	0.57
			Blue	10.27	YL40/LL/B/WN/WR	245250	0.57
			Clear	78.97	YL40/LL/C/WN/WR	245251	0.57
			Yellow	66.83	YL40/LL/Y/WN/WR	245252	0.57
			Magenta	19.12	YL40/LL/M/WN/WR	245253	0.57
		230vAC ~	Amber	62.31	YL40/NL/A/WN/WR	245254	0.57
			Red	55.12	YL40/NL/R/WN/WR	245255	0.57
			Green	69.23	YL40/NL/G/WN/WR	245256	0.57
			Opal	33	YL40/NL/O/WN/WR	245257	0.57
			Blue	10.27	YL40/NL/B/WN/WR	245258	0.57
			Clear	78.97	YL40/NL/C/WN/WR	245259	0.57
			Yellow	66.83	YL40/NL/Y/WN/WR	245260	0.57
			Magenta	19.12	YL40/NL/M/WN/WR	245261	0.57
YL40 Sounder/ Xenon combination BS EN 54 Pt:3 UKCA, CE & MED	**Red Normal** (RN) RAL 3001	24vDC ---	Amber	38.32	YL40/D50/A/RN/WR	204507	0.51
			Red	36.75	YL40/D50/R/RN/WR	204540	0.51
			Green	58	YL40/D50/G/RN/WR	211992	0.51
			Opal	35.23	YL40/D50/O/RN/WR	204527	0.51
			Blue	8.5	YL40/D50/B/RN/WR	204518	0.51
			Clear	72.05	YL40/D50/C/RN/WR	211993	0.51
			Yellow	62.49	YL40/D50/Y/RN/WR	245278	0.51
			Magenta	17.69	YL40/D50/M/RN/WR	245279	0.51
		24vDC --- Independently Selectable 2nd Stage Version	Amber	38.32	YL40/D50/A/RN/WR(2)	245212	0.51
			Red	36.75	YL40/D50/R/RN/WR(2)	245213	0.51
			Green	58	YL40/D50/G/RN/WR(2)	245214	0.51
			Opal	35.23	YL40/D50/O/RN/WR(2)	245215	0.51
			Blue	8.5	YL40/D50/B/RN/WR(2)	245216	0.51
			Clear	72.05	YL40/D50/C/RN/WR(2)	245217	0.51
			Yellow	62.49	YL40/D50/Y/RN/WR(2)	245218	0.51
			Magenta	17.69	YL40/D50/M/RN/WR(2)	245219	0.51



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YL40 Sounder/ Xenon combination BS EN 54 Pt:3 UKCA, CE & MED	**Red Normal** (RN) RAL 3001	48vDC ⎓	Amber	38.32	YL40/F50/A/RN/WR	214045	0.51
			Red	36.75	YL40/F50/R/RN/WR	204547	0.51
			Green	58	YL40/F50/G/RN/WR	245500	0.51
			Opal	35.23	YL40/F50/O/RN/WR	245501	0.51
			Blue	8.5	YL40/F50/B/RN/WR	245502	0.51
			Clear	72.05	YL40/F50/C/RN/WR	245503	0.51
			Yellow	62.49	YL40/F50/Y/RN/WR	245504	0.51
			Magenta	17.69	YL40/F50/M/RN/WR	245505	0.51
		115vAC ~	Amber	38.32	YL40/L50/A/RN/WR	204552	0.57
			Red	36.75	YL40/L50/R/RN/WR	204562	0.57
			Green	58	YL40/L50/G/RN/WR	204557	0.57
			Opal	35.23	YL40/L50/O/RN/WR	211994	0.57
			Blue	8.5	YL40/L50/B/RN/WR	211995	0.57
			Clear	72.05	YL40/L50/C/RN/WR	211996	0.57
			Yellow	62.49	YL40/L50/Y/RN/WR	245510	0.57
			Magenta	17.69	YL40/L50/M/RN/WR	245511	0.57
		230vAC ~	Amber	38.32	YL40/N50/A/RN/WR	204570	0.57
			Red	36.75	YL40/N50/R/RN/WR	204588	0.57
			Green	58	YL40/N50/G/RN/WR	211997	0.57
			Opal	35.23	YL40/N50/O/RN/WR	211998	0.57
			Blue	8.5	YL40/N50/B/RN/WR	211999	0.57
			Clear	72.05	YL40/N50/C/RN/WR	212000	0.57
			Yellow	62.49	YL40/N50/Y/RN/WR	245515	0.57
			Magenta	17.69	YL40/N50/M/RN/WR	245516	0.57
	White Normal (WN) RAL 9003	24vDC ⎓	Amber	38.32	YL40/D50/A/WN/WR	245401	0.51
			Red	36.75	YL40/D50/R/WN/WR	245402	0.51
			Green	58	YL40/D50/G/WN/WR	245403	0.51
			Opal	35.23	YL40/D50/O/WN/WR	245404	0.51
			Blue	8.5	YL40/D50/B/WN/WR	245405	0.51
			Clear	72.05	YL40/D50/C/WN/WR	245400	0.51
			Yellow	62.49	YL40/D50/Y/WN/WR	245406	0.51
			Magenta	17.69	YL40/D50/M/WN/WR	245407	0.51

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YL40 Sounder/ Xenon combination BS EN 54 Pt:3 UKCA, CE & MED	**White Normal** (WN) RAL 9003	24vDC ⎓ Independently Selectable 2nd Stage Version	Amber	38.32	YL40/D50/A/WN/WR(2)	245262	0.51
			Red	36.75	YL40/D50/R/WN/WR(2)	245263	0.51
			Green	58	YL40/D50/G/WN/WR(2)	245264	0.51
			Opal	35.23	YL40/D50/O/WN/WR(2)	245265	0.51
			Blue	8.5	YL40/D50/B/WN/WR(2)	245266	0.51
			Clear	72.05	YL40/D50/C/WN/WR(2)	245267	0.51
			Yellow	62.49	YL40/D50/Y/WN/WR(2)	245268	0.51
			Magenta	17.69	YL40/D50/M/WN/WR(2)	245269	0.51
		48vDC ⎓	Amber	38.32	YL40/F50/A/WN/WR	245408	0.51
			Red	36.75	YL40/F50/R/WN/WR	245409	0.51
			Green	58	YL40/F50/G/WN/WR	245410	0.51
			Opal	35.23	YL40/F50/O/WN/WR	245411	0.51
			Blue	8.5	YL40/F50/B/WN/WR	245412	0.51
			Clear	72.05	YL40/F50/C/WN/WR	245413	0.51
			Yellow	62.49	YL40/F50/Y/WN/WR	245414	0.51
			Magenta	17.69	YL40/F50/M/WN/WR	245415	0.51
		115vAC ~	Amber	38.32	YL40/L50/A/WN/WR	245416	0.57
			Red	36.75	YL40/L50/R/WN/WR	245417	0.57
			Green	58	YL40/L50/G/WN/WR	245418	0.57
			Opal	35.23	YL40/L50/O/WN/WR	245419	0.57
			Blue	8.5	YL40/L50/B/WN/WR	245420	0.57
			Clear	72.05	YL40/L50/C/WN/WR	245421	0.57
			Yellow	62.49	YL40/L50/Y/WN/WR	245422	0.57
			Magenta	17.69	YL40/L50/M/WN/WR	245423	0.57
		230vAC ~	Amber	38.32	YL40/N50/A/WN/WR	245424	0.57
			Red	36.75	YL40/N50/R/WN/WR	245425	0.57
			Green	58	YL40/N50/G/WN/WR	245426	0.57
			Opal	35.23	YL40/N50/O/WN/WR	245427	0.57
			Blue	8.5	YL40/N50/B/WN/WR	245428	0.57
			Clear	72.05	YL40/N50/C/WN/WR	245429	0.57
			Yellow	62.49	YL40/N50/Y/WN/WR	245430	0.57
			Magenta	17.69	YL40/N50/M/WN/WR	245431	0.57