



Sealite[®]

www.sealite.com



Flash Codes

The Sealite lanterns may be set to any of 256 IALA recommended flash settings which are user-adjustable onsite without the need for external devices.

SEALITE® code reference is listed by number of flashes

Symbols

FL	Flash followed by number Eg. FL 1 S, one flash every second
F	Fixed
Q	Quick flash
VQ	Very quick flash
OC	Occulting; greater period on than off
ISO	Isophase; equal period on and off
LFL	Long flash long
MO	Morse code () contains letter

For example, VQ (6) + LFL 10 S means 6 very quick flashes followed by a long flash, during a 10-second interval.

The amount of power your lantern draws through the night depends on the duty cycle, i.e. the amount of time on as a proportion to the timing cycle. For example, 0.5 seconds on and 4.5 seconds off equals a 10% duty cycle.

It is best to operate at the lowest duty cycle appropriate to the actual needs of the application.

Recommended Rhythm for Flashing Light - IALA Regions A and B

MARK DESCRIPTION	RHYTHM
Port Hand & Starboard Marks:	Any, other than Composite Group Flashing (2+1)
Preferred Channel Starboard:	Composite Group Flashing (2+1)
Preferred Channel Port:	Composite Group Flashing (2+1)
North Cardinal Mark:	Very quick or quick
East Cardinal Mark:	Very quick (3) every 5 seconds or quick (3) every 10 seconds
South Cardinal Mark:	Very quick (6) + long flash every 10 seconds or quick (6) + long flash every 15 seconds
West Cardinal Mark:	Very quick (9) every 10 seconds or quick (9) every 15 seconds
Isolated Danger Mark:	Group flashing (2)
Safe Water Mark:	Isophase, occulting, one long flash every 10 seconds or Morse Code "A"
Special Marks:	Any, other than those described for Cardinal, Isolated Danger or Safe Water Marks

SWITCH	FLASH CODE	ON	OFF
A	B		
0	0	F (Steady light)	
D	3	VQ 0.5 S	0.2 0.3
E	3	VQ 0.6 S	0.2 0.4
F	3	VQ 0.6 S	0.3 0.3
7	3	Q 1 S	0.2 0.8
8	3	Q 1 S	0.3 0.7
9	3	Q 1 S	0.4 0.6
A	3	Q 1 S	0.5 0.5
8	4	Q 1 S	0.8 0.2
B	3	Q 1.2 S	0.3 0.9
9	4	Q 1.2 S	0.5 0.7
C	3	Q 1.2 S	0.6 0.6
F	4	FL 1.5 S	0.2 1.3
1	0	FL 1.5 S	0.3 1.2
0	5	FL 1.5 S	0.4 1.1
0	4	FL 1.5 S	0.5 1.0
2	0	FL 2 S	0.2 1.8
3	0	FL 2 S	0.3 1.7
4	0	FL 2 S	0.4 1.6
5	0	FL 2 S	0.5 1.5
6	0	FL 2 S	0.7 1.3
7	0	FL 2 S	0.8 1.2
1	2	ISO 2 S	1.0 1.0
8	0	FL 2.5 S	0.3 2.2
9	0	FL 2.5 S	0.5 2.0
D	6	FL 2.5 S	1.0 1.5
1	5	FL 3 S	0.2 2.8
A	0	FL 3 S	0.3 2.7
2	5	FL 3 S	0.4 2.6
B	0	FL 3 S	0.5 2.5
3	5	FL 3 S	0.6 2.4
C	0	FL 3 S	0.7 2.3
D	0	FL 3 S	1.0 2.0
2	2	ISO 3 S	1.5 1.5
5	4	OC 3 S	2.0 1.0
E	2	OC 3 S	2.5 0.5
4	6	OC 3.5 S	2.5 1.0
4	5	FL 4 S	0.2 3.8
5	5	FL 4 S	0.3 3.7
E	0	FL 4 S	0.4 3.6
F	0	FL 4 S	0.5 3.5
6	5	FL 4 S	0.6 3.4
0	1	FL 4 S	0.8 3.2
1	1	FL 4 S	1.0 3.0
2	1	FL 4 S	1.5 2.5
3	2	ISO 4 S	2.0 2.0
3	6	OC 4 S	2.5 1.5
F	2	OC 4 S	3.0 1.0
3	1	FL 4.3 S	1.3 3.0
8	5	FL 5 S	0.2 4.8
4	1	FL 5 S	0.3 4.7
5	1	FL 5 S	0.5 4.5
9	5	FL 5 S	0.9 4.1
6	1	FL 5 S	1.0 4.0

SWITCH	FLASH CODE	ON	OFF
A	B		
7	1	FL 5 S	1.5 3.5
4	2	ISO 5 S	2.5 2.5
8	2	LFL 5 S	2.0 3.0
0	3	OC 5 S	3.0 2.0
1	3	OC 5 S	4.0 1.0
2	3	OC 5 S	4.5 0.5
C	6	FL 6 S	0.2 5.8
B	5	FL 6 S	0.3 5.7
C	5	FL 6 S	0.4 5.6
8	1	FL 6 S	0.5 5.5
9	1	FL 6 S	0.6 5.4
A	1	FL 6 S	1.0 5.0
7	5	FL 6 S	1.2 4.8
B	1	FL 6 S	1.5 4.5
5	2	ISO 6 S	3.0 3.0
9	2	LFL 6 S	2.0 4.0
6	4	OC 6 S	4.0 2.0
3	3	OC 6 S	4.5 1.5
4	3	OC 6 S	5.0 1.0
A	4	FL 7 S	1.0 6.0
9	6	FL 7 S	2.0 5.0
5	6	OC 7 S	4.5 2.5
D	5	FL 7.5 S	0.5 7.0
C	1	FL 7.5 S	0.8 6.7
E	5	FL 8 S	0.5 7.5
B	4	FL 8 S	1.0 7.0
6	2	ISO 8 S	4.0 4.0
A	2	LFL 8 S	2.0 6.0
6	6	OC 8 S	5.0 3.0
B	2	LFL 8 S	3.0 5.0
F	5	FL 9 S	0.9 8.1
C	4	FL 9 S	1.0 8.0
7	6	OC 9 S	6.0 3.0
0	6	FL 10 S	0.2 9.8
1	6	FL 10 S	0.3 9.7
D	1	FL 10 S	0.5 9.5
2	6	FL 10 S	0.8 9.2
E	1	FL 10 S	1.0 9.0
1	4	FL 10 S	1.5 8.5
C	2	LFL 10 S	2.0 8.0
D	2	LFL 10 S	3.0 7.0
7	2	ISO 10 S	5.0 5.0
2	4	LFL 10 S	4.0 6.0
8	6	OC 10 S	6.0 4.0
5	3	OC 10 S	7.0 3.0
6	3	OC 10 S	7.5 2.5
F	1	FL 12 S	1.2 10.8
D	4	FL 12 S	2.5 9.5
3	4	LFL 12 S	2.0 10.0
0	2	FL 15 S	1.0 14.0
4	4	LFL 15 S	4.0 11.0
7	4	OC 15 S	10 5.0
A	6	LFL 20 S	2.0 18.0
E	4	FL 26 S	1.0 25.0

SWITCH	FLASH CODE	ON	OFF	ON	OFF
A	B				
0	A	FL (2) 4 S	0.5 1.0	0.5 2.0	
E	B	VQ (2) 4 S	0.2 1.0	0.2 2.6	
1	A	FL (2) 4.5 S	0.3 1.0	0.3 2.9	
2	A	FL (2) 4.5 S	0.4 1.0	0.4 2.7	
3	A	FL (2) 4.5 S	0.5 1.0	0.5 2.5	
F	9	FL (2) 5 S	0.2 0.8	0.2 3.8	
2	C	FL (2) 5 S	0.2 1.2	0.2 3.4	
4	A	FL (2) 5 S	0.4 0.6	0.4 3.6	
0	7	FL (2) 5 S	0.5 1.0	0.5 3.0	
1	7	FL (2) 5 S	1.0 1.0	1.0 2.0	
9	B	Q (2) 5 S	0.3 0.7	0.3 3.7	
2	9	Q (2) 5 S	0.5 0.5	0.5 3.5	
5	A	FL (2) 5.5 S	0.4 1.4	0.4 3.3	
7	8	FL (2) 6 S	0.3 0.6	1.0 4.1	
A	A	FL (2) 6 S	0.3 0.9	0.3 4.5	
6	A	FL (2) 6 S	0.3 1.0	0.3 4.4	
7	A	FL (2) 6 S	0.4 1.0	0.4 4.2	
9	9	FL (2) 6 S	0.5 1.0	0.5 4.0	
2	8	FL (2) 6 S	0.8 1.2	0.8 3.2	
3	7	FL (2) 6 S	1.0 1.0	1.0 3.0	
3	9	Q (2) 6 S	0.3 0.7	0.3 4.7	
A	9	FL (2) 7 S	1.0 1.0	1.0 4.0	
7	B	FL (2) 8 S	0.4 0.6	2.0 5.0	
8	A	FL (2) 8 S	0.4 1.0	0.4 6.2	
4	7	FL (2) 8 S	0.5 1.0	0.5 6.0	
8	8	FL (2) 8 S	0.8 1.2	2.4 3.6	
5	7	FL (2) 8 S	1.0 1.0	1.0 5.0	
4	C	OC (2) 8 S	3.0 2.0	1.0 2.0	
5	C	OC (2) 8 S	5.0 1.0	1.0 1.0	
F	B	VQ (2) 8 S	0.2 1.0	0.2 6.6	
9	A	FL (2) 10 S	0.4 1.6	0.4 7.6	
6	7	FL (2) 10 S	0.5 1.0	0.5 8.0	
7	7	FL (2) 10 S	0.5 1.5	0.5 7.5	
6	9	FL (2) 10 S	0.5 2.0	0.5 7.0	
8	7	FL (2) 10 S	0.8 1.2	0.8 7.2	
B	9	FL (2) 10 S	1.0 1.0	1.0 7.0	
9	7	FL (2) 10 S	1.0 1.5	1.0 6.5	
4	9	Q (2) 10 S	0.6 0.4	0.6 8.4	
B	A	FL (2) 12 S	0.4 1.0	0.4 10.2	
C	9	FL (2) 12 S	0.5 1.0	0.5 10.0	
D	9	FL (2) 12 S	1.5 2.0	1.5 7.0	
A	8	FL (2) 15 S	0.5 1.5	2.0 11.0	
A	7	FL (2) 15 S	1.0 2.0	1.0 11.0	
8	B	Q (2) 15 S	0.2 0.8	0.2 13.8	
C	A	FL (2) 20 S	1.0 3.0	1.0 15.0	
D	A	FL (2) 25 S	1.0 1.0	1.0 22.0	

SWITCH	FLASH CODE	ON	OFF	ON	OFF	ON	OFF	
A	B							
7	9	Q (3) 5 S	0.5	0.5	0.5	0.5	2.5	
5	9	VQ (3) 5 S	0.2	0.3	0.2	0.3	3.8	
0	C	VQ (3) 5 S	0.3	0.2	0.3	0.2	3.7	
E	9	VQ (3) 5 S	0.3	0.3	0.3	0.3	3.5	
3	C	FL (3) 6 S	0.5	1.0	0.5	1.0	2.5	
2	B	FL (2+1) 6 S	0.3	0.4	0.3	1.2	3.5	
A	B	Q (3) 6 S	0.3	0.7	0.3	0.7	3.7	
F	A	FL (3) 8 S	0.5	1.0	0.5	1.0	4.5	
0	B	FL (3) 9 S	0.3	1.0	0.3	1.0	6.1	
B	7	FL (3) 9 S	0.8	1.2	0.8	1.2	4.2	
B	8	FL (3) 10 S	0.3	0.7	0.3	0.7	7.1	
C	8	FL (3) 10 S	0.4	0.6	0.4	0.6	6.8	
C	B	FL (3) 10 S	0.5	0.5	0.5	0.5	7.5	
C	7	FL (3) 10 S	0.5	1.5	0.5	1.5	5.5	
D	B	FL (3) 10 S	0.6	0.6	0.6	0.6	7.0	
D	7	FL (3) 10 S	1.0	1.0	1.0	1.0	5.0	
3	8	FL (2+1) 10 S	0.5	0.7	0.5	2.1	5.7	
8	9	OC (3) 10 S	5.0	1.0	1.0	1.0	1.0	
B	B	Q (3) 10 S	0.3	0.7	0.3	0.7	7.7	
D	8	FL (2 + 1) 10 S	0.5	0.5	0.5	0.5	1.5	6.5
1	B	FL (3) 12 S	0.5	1.5	0.5	1.5	0.5	7.5
E	A	FL (3) 12 S	0.5	2.0	0.5	2.0	0.5	6.5
E	7	FL (3) 12 S	0.8	1.2	0.8	1.2	0.8	7.2
B	6	FL (3) 12 S	1.0	1.0	1.0	3.0	1.0	5.0
4	8	FL (2+1) 12 S	0.8	1.2	0.8	2.4	0.8	6.0
5	8	FL (2+1) 12 S	1.0	1.0	1.0	4.0	1.0	4.0
1	8	FL (2+1) 13.5 S	1.0	1.0	1.0	4.0	1.0	5.5
F	7	FL (3) 15 S	0.3	1.7	0.3	1.7	0.3	10.7
9	D	FL (3) 15 S	0.4	1.0	0.4	1.0	0.4	11.8
0	8	FL (3) 15 S	0.5	1.5	0.5	1.5	0.5	10.5
F	8	FL (2+1) 15 S	0.6	0.3	0.6	0.3	1.4	11.8
0	9	FL (2+1) 15 S	0.7	0.5	0.7	0.5	1.9	10.7
1	9	FL (2+1) 15 S	0.7	0.7	0.7	0.7	2.1	10.1
6	8	FL (2+1) 15 S	1.0	2.0	1.0	5.0	1.0	5.0
1	C	VQ (3) 15 S	0.1	0.5	0.1	0.5	0.1	13.7
4	B	FL (3) 20 S	0.5	3.0	0.5	3.0	0.5	12.5
3	B	FL (3) 20 S	0.5	1.5	0.5	1.5	0.5	15.5
5	B	FL (3) 20 S	0.8	1.2	0.8	1.2	0.8	15.2
6	B	FL (3) 20 S	1.0	1.0	1.0	1.0	1.0	15.0

SWITCH	FLASH CODE	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
A	B										
B	F	VQ (4) 4 S	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.3
B	D	Q (4) 6 S	0.3	0.7	0.3	0.7	0.3	0.7	0.3	0.7	2.7
8	D	Q (4) 6 S	0.4	0.6	0.4	0.6	0.4	0.6	0.4	0.6	2.6
1	D	FL (4) 10 S	0.5	1.0	0.5	1.0	0.5	1.0	0.5	1.0	5.0
2	D	FL (4) 10 S	0.8	1.2	0.8	1.2	0.8	1.2	0.8	1.2	3.2
F	E	Q (4) 10 S	0.3	0.7	0.3	0.7	0.3	0.7	0.3	0.7	6.7
B	E	FL (4) 12 S	0.3	1.7	0.3	1.7	0.3	1.7	0.3	1.7	5.7
4	F	FL (4) 12 S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	8.5
C	E	FL (4) 12 S	0.5	1.5	0.5	1.5	0.5	1.5	0.5	1.5	5.5
3	D	FL (4) 12 S	0.8	1.2	0.8	1.2	0.8	1.2	0.8	1.2	5.2
A	D	Q (4) 12 S	0.3	0.7	0.3	0.7	0.3	0.7	0.3	0.7	8.7
4	D	FL (4) 15 S	0.5	1.5	0.5	1.5	0.5	1.5	0.5	1.5	8.5
8	E	FL (4) 15 S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	8.0
7	D	FL (4) 15 S	1.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	10.5
D	E	FL (4) 16 S	0.5	1.5	0.5	1.5	0.5	1.5	0.5	1.5	9.5
C	D	FL (4) 20 S	0.3	3.0	0.3	3.0	0.3	3.0	0.3	3.0	9.8
5	D	FL (4) 20 S	0.5	1.5	0.5	1.5	0.5	1.5	0.5	1.5	13.5
0	D	FL (4) 20 S	0.5	1.5	0.5	1.5	0.5	4.5	0.5	0.5	10.5
3	F	FL (4) 20 S	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	9.5
0	F	Q (4) 20 S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	16.5
E	E	Q (4) 28 S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	24.5
6	F	FL (4) 30 S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	26.5



SL60
2-3nm+ Solar Marine Light

SWITCH	FLASH CODE	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
A	B										
D	D	Q (5) 7 S	0.3	0.7	0.3	0.7	0.3	0.7	0.3	0.7	2.7
E	D	Q (5) 10 S	0.3	0.7	0.3	0.7	0.3	0.7	0.3	0.7	5.7
E	8	FL (5) 12 S	0.5	1.5	0.5	1.5	0.5	1.5	0.5	1.5	3.5
5	F	FL (5) 20 S	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	15.5
9	F	FL (5) 20 S	0.8	1.2	0.8	1.2	0.8	1.2	0.8	1.2	11.2
9	E	FL (5) 20 S	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	11.0

SWITCH	FLASH CODE	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	
A	B													
F	D	Q (6) 10 S	0.3	0.7	0.3	0.7	0.3	0.7	0.3	0.7	0.3	0.7	0.3	4.7
A	F	FL (6) 15 S	0.3	0.7	0.3	0.7	0.3	0.7	0.3	0.7	0.3	0.7	0.3	9.7
7	F	FL (6) 15 S	0.5	1.0	0.5	1.0	0.5	1.0	0.5	1.0	0.5	1.0	0.5	7.0
A	E	FL (6) + LFL 15 S	0.5	1.0	0.5	1.0	0.5	1.0	0.5	1.0	0.5	1.0	0.5	7.0

SWITCH	FLASH CODE	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	
A	B															
6	E	VQ (6) + LFL 10 S	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3	2.0	5.0
7	E	VQ (6) + LFL 10 S	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.0	4.4
2	F	Q (6) + LFL 15 S	0.2	0.8	0.2	0.8	0.2	0.8	0.2	0.8	0.2	0.8	0.2	0.8	2.0	7.0
2	E	Q (6) + LFL 15 S	0.3	0.7	0.3	0.7	0.3	0.7	0.3	0.7	0.3	0.7	0.3	0.7	2.0	7.0
3	E	Q (6) + LFL 15 S	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	2.0	5.8
8	F	VQ (6) + LFL 15 S	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.0	9.4

SWITCH	FLASH CODE	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	
A	B																			
4	E	VQ (9) 10 S	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.2	5.8
5	E	VQ (9) 10 S	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	4.9
1	F	Q (9) 15 S	0.2	0.8	0.2	0.8	0.2	0.8	0.2	0.8	0.2	0.8	0.2	0.8	0.2	0.8	0.2	0.8	0.2	6.8
0	E	Q (9) 15 S	0.3	0.7	0.3	0.7	0.3	0.7	0.3	0.7	0.3	0.7	0.3	0.7	0.3	0.7	0.3	0.7	0.3	6.7
1	E	Q (9) 15 S	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	4.8

SWITCH	FLASH CODE	ON	OFF	ON	OFF	ON	OFF	ON	OFF
A	B								
MORSE CODE () INDICATES LETTER									
7	8	MO (A) 6 S	0.3	0.6	1.0	4.1			
7	B	MO (A) 8 S	0.4	0.6	2.0	5.0			
8	8	MO (A) 8 S	0.8	1.2	2.4	3.6			
B	8	MO (U) 10 S	0.3	0.7	0.3	0.7	0.9	7.1	
C	8	MO (U) 10 S	0.4	0.6	0.4	0.6	1.2	6.8	
D	8	MO (U) 10 S	0.5	0.5	0.5	0.5	1.5	6.5	
9	8	MO (A) 10 S	0.5	0.5	1.5	7.5			
8	9	MO (D) 10 S	5.0	1.0	1.0	1.0	1.0	1.0	
A	8	MO (A) 15 S	0.5	1.5	2.0	11.0			
F	8	MO (U) 15 S	0.6	0.3	0.6	0.3	1.4	11.8	
0	9	MO (U) 15 S	0.7	0.5	0.7	0.5	1.9	10.7	
1	9	MO (U) 15 S	0.7	0.7	0.7	0.7	2.1	10.1	
7	D	MO (B) 15 S	1.5	0.5	0.5	0.5	0.5	0.5	10.5



SLC310
Compact 3-5nm+ Solar Marine Lantern

All Sealite products are manufactured to exacting standards under strict quality control procedures.

Sealite's commitment to research and development, investing in modern equipment and advanced manufacturing procedures has made the company an industry leader in aids to marine navigation.

Sealite solar LED lanterns have an IP rating of IP68, the highest water/rust/dust proof rating available. Don't trust anything less than an IP68 rated product.

By choosing Sealite you can rest assured you have chosen the very best.



Sealite®

www.sealite.com

SL15 solar marine lantern
Vigo, Spain



Sealite Pty Ltd

11 Industrial Drive,
Somerville Vic 3912
AUSTRALIA

t: +61 (0)3 5977 6128

f: +61 (0)3 5977 6124

172 Lily Pond Road
Gilford New Hampshire 03249
USA

t: (603) 737 1311

f: (603) 737 1320

w: www.sealite.com

e: info@sealite.com