MFL series

Multiple Function LED Signal Lights

IP65 | -30~+50℃ | BUZZER | 80dB | RoHS

Warning/ Signal/ Stackable

Signal & Electric Horn/ Speakers

Vessels and Heavy-Duty Equipment

Explosion Proof

Warning Light Bar

Aviation Obstruction Lights

Signal Tower Lights

USB/ETN Signal Tower Lights

Electric Horn/ Speakers
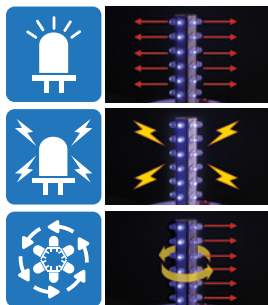
Industrial LED Lights

Operating steady/ flashing, strobe, simulated revolving flashing, Multiple function LED signal lights

• LED Steady/ Flashing
Repeat operation of LED signal light on/off

• LED Strobe
Short LED Steady/ Flashing cycle. Creates a xenon flashing effect by providing maximum electric current

• LED Simulated Revolving
LEDs flash steadily around the cylindrical LED filaments which makes a simulated revolving effect

Manual switch to select operation

ON=1 / OFF=0

Operate 4 kinds of function by dip switches

No.	1	2	Operation
0	0	0	LED Steady
1	0	1	LED flashing
2	1	0	LED Strobe
3	1	1	LED Simulated revolving flashing

MFL60

MFL80

Common Specifications(MFL60/ MFL80/ MFL100/ MFL125)

• Product has multi functions of LED Steady/ Flashing, strobe, and simulated revolving
• Operating options with switches inside product or external connect
• Shock and vibration-resistant, maintenance reduced with long-lasting energy-efficient LED light bulb
• Built-in buzzer available(Volume : Max 80dB at 1m)
• Flashing type(LF) flashing rates : 60-80 flashes/min
• Strobe type(LS) flashing rates : 70-80 flashes/min
• Simulated revolving type(LR) flashing rates : 120-140 flashes/min
 Materials : Lens-PC, housing-ABS, Mounting bracket-PC
• Ambient operating temperature : -30°C to +50°C
• Protection rating : IP65
• Certificates : CE Complaint
• Complaint with RoHS directive

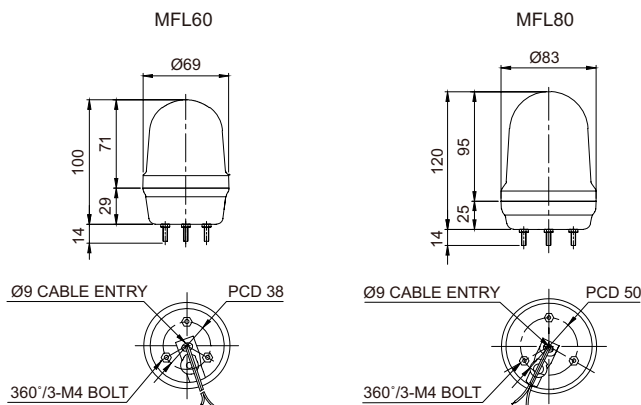### MFL60 Ø60mm Multiple Function LED Signal Light

Model number	Voltage	Current	Certificates	Weight	Color
MFL60	DC12V-24V	Max 0.140A	CE	0.21kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	AC110V-220V	Max 0.045A	-	0.32kg	

MFL80 Ø80mm Multiple Function LED Signal Light

Model number	Voltage	Current	Certificates	Weight	Color
MFL80	DC12V-24V	Max 0.190A	CE	0.28kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	AC110V-220V	Max 0.052A	-	0.51kg	

※ DC type model has a free-voltage range of 10V-30V.
※ AC type model has a free-voltage range of 100V-240V.

Technical Diagram
(Units : mm)

MFL60

Ø69
100
71
29
14

Ø9 CABLE ENTRY   PCD 38
360˚/3-M4 BOLT

MFL80

Ø83
120
95
25
14

Ø9 CABLE ENTRY   PCD 50
360˚/3-M4 BOLT

MFL series

Qlight

LED Signal Light with Multiple Light Functions

IP65 | -30~+50℃ | BUZZER | 80dB | RoHS

Multi-functional model with selectable steady/ flashing strobe, and simulated revolving flashing mode

MFL100

MFL125

MFL100 Ø100mm Multiple Light Function LED Signal Light

Model number	Voltage	Current	Certificates	Weight	Color
MFL100	DC12V-24V	Max 0.255A	CE	0.30kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	AC110V-220V	Max 0.067A	-	0.52kg	

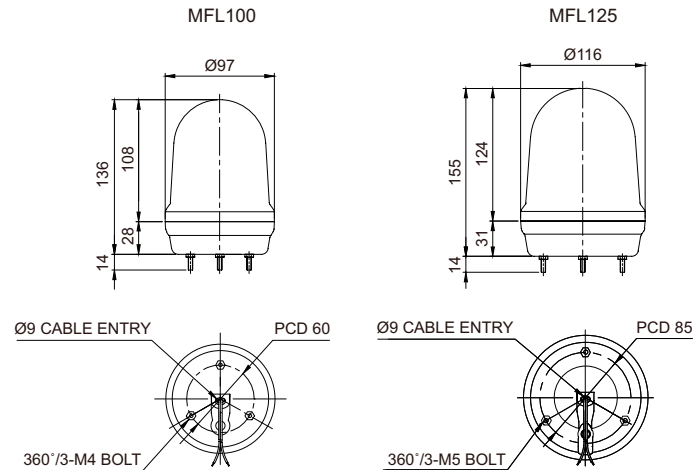### MFL125 Ø125mm Multiple Light Function LED Signal Light

Model number	Voltage	Current	Certificates	Weight	Color
MFL125	DC12V-24V	Max 0.255A	CE	0.52kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	AC110V-220V	Max 0.067A	-	0.92kg	

※ DC type model has a free-voltage range of 10V-30V.
※ AC type model has a free-voltage range of 100V-240V.

Technical Diagram   (Units : mm)

MFL100

Ø97
136
108
28
14

MFL125

Ø116
155
124
31
14

Ø9 CABLE ENTRY   PCD 60
360˚/3-M4 BOLT

Ø9 CABLE ENTRY   PCD 85
360˚/3-M5 BOLT

Wiring Instructions

• External power line standard : UL1015 AWG18(0.75sq)×2C 400mm
• Product can be wired regardless of polarity

Accessories

• Wall mounting bracket options : Bracket structure allows for threading through the bracket hole or into the wall mount

- MFL60

Wall Mount Bracket **TWS45**
Wall Mount Bracket **TWA45**

- MFL80

Wall Mount Bracket **TWS80**
Wall Mount Bracket **TWA80**

- MFL100/ MFL125

Wall Mount Bracket **SWP125**
Wall Mount Bracket **SWM125**

Ordering Specification

MFL100	-	BZ	-	110/220	-	R
[Model number]		[Buzzer option]		[Voltage]		[Color]

• MFL60
• MFL80
• MFL100
• MFL125

• None
  - No buzzer
• BZ
  - Built-in buzzer

• 12/24
  -DC12V-24V
• 110/220
  -AC110V-220V

● R-Red
● A-Amber
● G-Green
● B-Blue