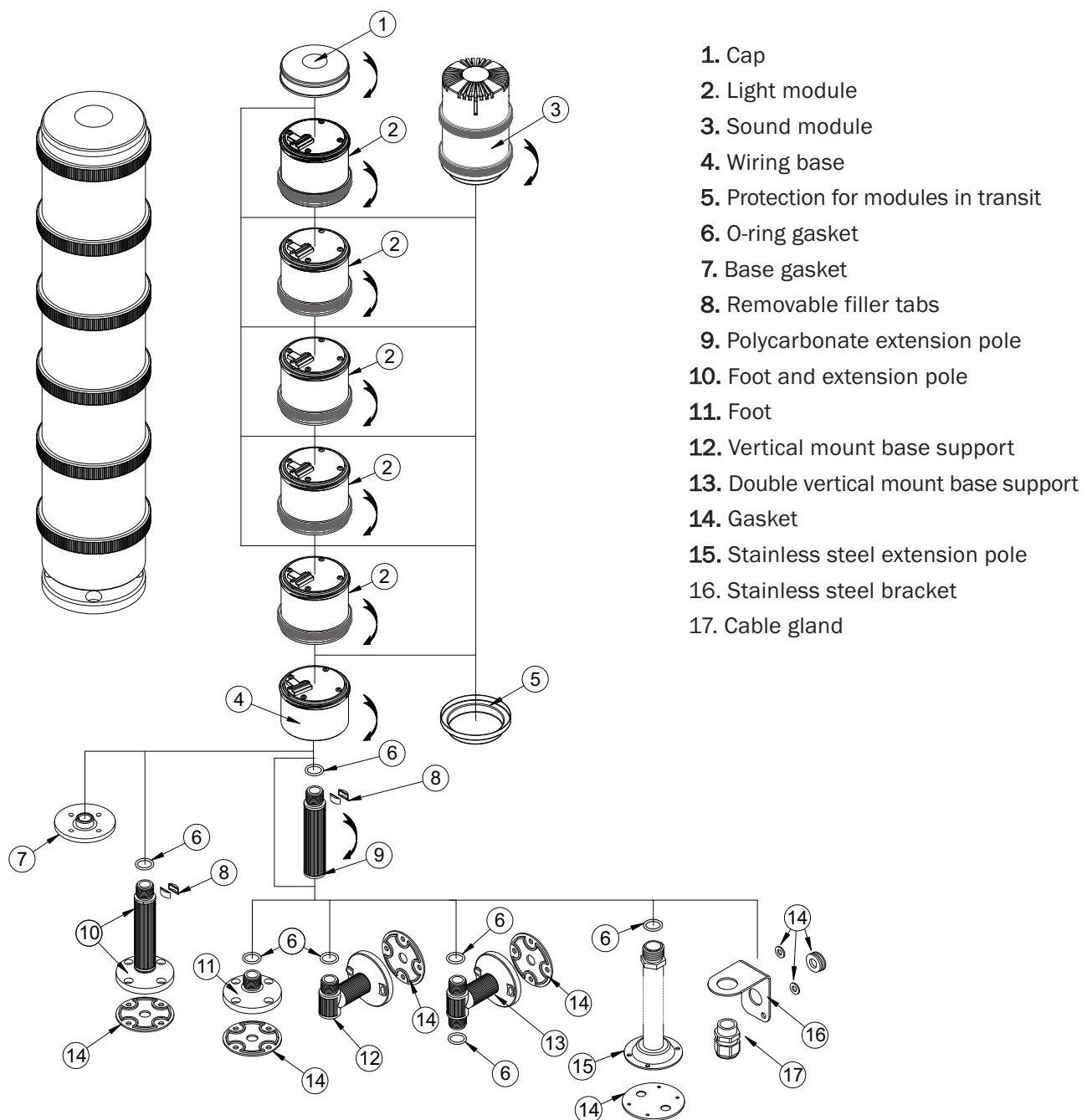


INSTALLATION AND APPLICATION INSTRUCTIONS

The **NEW FMX SL70 Series 70mm Signal Lights** are modular units that provide light and sound status indication. SL70 modules are quick and easy with multiple installation possibilities offered by the various modules and accessories equipped with a ½" NPT thread.

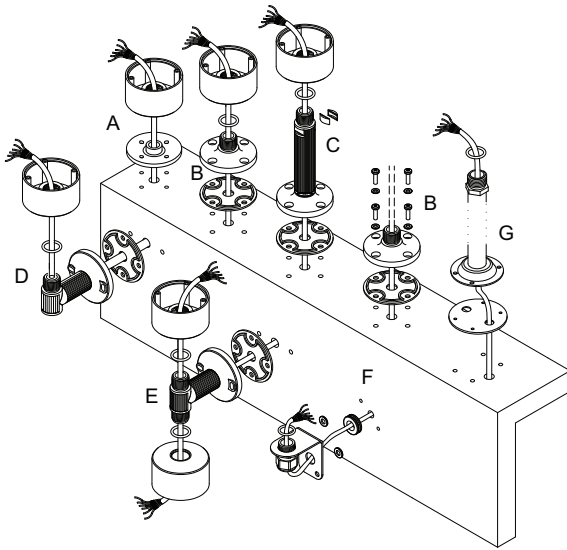
- Light modules available in six colors and four types:
 - Red, Amber, Green, Blue, Yellow, Clear
 - High Intensity LED, Integrated LED, Bulb-type (Incandescent or LED bulbs), Xenon Strobe
- Sound modules available in 6, 16 or 32 tones with up to 107dB(A)
- Finger-safe, plug-in modules with locking ring are "hot-swappable"
- Many module choices to accommodate voltages 12 to 240V
- Lenses, bases, caps & mounts made up of heavy-duty Polycarbonate (RAL 7016), suitable for outdoor use
- UL Type 4X (Type 3R for sound modules), UL746C (f1) UV Protection, UL94 V-2 Flammability Rating

CONFIGURATION



1. Cap
2. Light module
3. Sound module
4. Wiring base
5. Protection for modules in transit
6. O-ring gasket
7. Base gasket
8. Removable filler tabs
9. Polycarbonate extension pole
10. Foot and extension pole
11. Foot
12. Vertical mount base support
13. Double vertical mount base support
14. Gasket
15. Stainless steel extension pole
16. Stainless steel bracket
17. Cable gland

INSTALLATION



A - Assembly with gasket

B - Assembly on foot (Foot with O-ring and gasket), 1/2" NPT thread

C - Assembly on foot and extension pole, 1/2" NPT thread

D - Assembly on vertical mount base support, 1/2" NPT thread
(Vertical mount base support with O-ring and gasket)

E - Assembly on double vertical mount base support, 1/2" NPT thread
(Double vertical mount base support with O-ring and gasket)

Note: Up to 5 modules per side can be used with two wiring bases

F - Assembly on stainless steel bracket with cable gland, 1/2" NPT thread

G - Assembly on stainless steel extension pole, 1/2" NPT thread

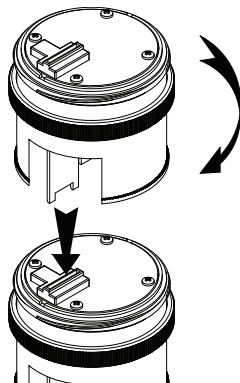
H - The accessories in figure B, C, D, E, F should be fixed with M5 screws (13 lb-in) and nylon washers (Ø5.3 x Ø10 x 1 for the accessories in figure B and C; Ø5.3 x Ø11.5 x 1.4 for the accessories in figure D and E) under the head of the screw. Accessory in figure G should be fixed with M4 screws.

Note: The use of the extension pole (Extension Pole with O-ring and two removable filler tabs) with 1/2" NPT thread is possible for B, C, D, E assembly.

ASSEMBLY



ATTENTION: Applied voltage must match voltage specifications of connected signal module(s).

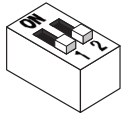


- Position the module's printed circuit board in the slot provided and push downwards.
- Turn the lock-ring clockwise until completely secure (44 lb-in).

On each WIRING BASE it is possible to stack up to 5 modules:

5 light modules or 4 light modules + sound module.

IMPORTANT – the sound module must always be fitted at the top of the tower.



Integrated LED Light Module, Multifunction Flashing:

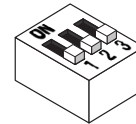
Dip switch to choose steady or flashing mode

ON 1 2	1 - 2 OFF = STEADY LIGHT
ON 1 2	1 ON - 2 OFF = SINGLE FLASH approx. 75 flashes per minute
ON 1 2	1 OFF - 2 ON = DOUBLE FLASH approx. 85 double flashes per minute
ON 1 2	1 - 2 ON = TRIPLE FLASH approx. 85 triple flashes per minute

High Intensity Integrated LED Light Module, Multifunction Flashing:

Dip switch to choose steady or flashing mode

ON 1 2	1 - 2 OFF = STEADY LIGHT
ON 1 2	1 ON - 2 OFF = SINGLE FLASH approx. 150 flashes per minute
ON 1 2	1 OFF - 2 ON = TRIPLE FLASH approx. 72 double flashes per minute
ON 1 2	1 - 2 ON = RANDOM FLASH

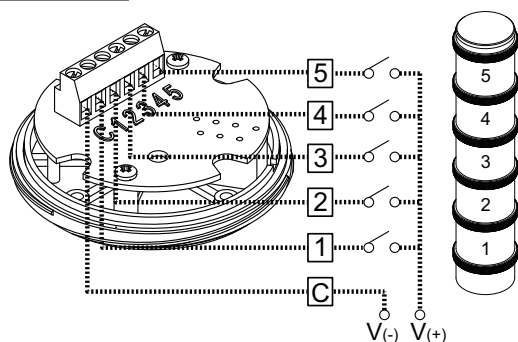
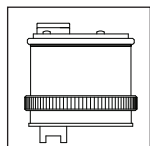


High Intensity Integrated LED Light Module, RGA:

Dip switch to choose color & steady or flashing mode

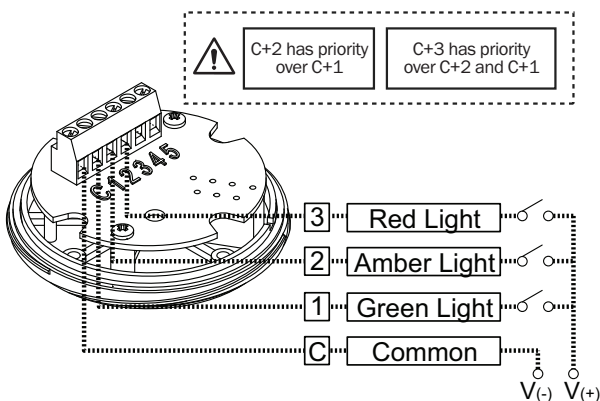
ON 1 2 3	1 ON = GREEN Steady Light
ON 1 2 3	2 ON = AMBER Steady Light
ON 1 2 3	3 ON = RED Steady Light
ON 1 2 3	1 OFF = GREEN Flashing Light
ON 1 2 3	2 OFF = AMBER Flashing Light
ON 1 2 3	3 OFF = RED Flashing Light

ELECTRICAL WIRING



Note: You can mount up to 5 light modules or 4 light modules and sound module per base.

High Intensity Integrated LED Light Module, RGA



Terminal Block:

- Wire size: 20 to 14 AWG
- Terminal screw torque: 4.4 lb-in

SPECIFICATIONS

MODEL	ELECTRICAL RATING -10/+15%	MAXIMUM AMBIENT TEMPERATURE ALLOWED
Wiring Base	12-240VAC/DC	140°F (60°C)
Bulb-type Light Module, Steady	12VAC/DC 24VAC/DC 48VAC/DC 110, 240VAC/DC	138°F (59°C) 140°F (60°C) 134°F (57°C) 140°F (60°C)
Bulb-type Light Module, Flashing	12/48VDC 24/48VAC 110, 240VAC	140°F (60°C) 140°F (60°C) 129°F (54°C)
Xenon Strobe Light Module	24VAC/DC 110, 240VAC	105°F (41°C) 109°F (43°C)
6-tone Sound Module	12/48VAC/DC 110, 240VAC	140°F (60°C) 132°F (56°C)
16-tone Sound Module	12/24VAC/DC 110, 240VAC	140°F (60°C)
32-tone Sound Module	12/24VAC/DC 110, 240VAC	140°F (60°C) 122°F (50°C)
Integrated LED Light Module	24VAC/DC 110, 240VAC	140°F (60°C)
High Intensity Integrated LED Light Module	12/24VAC/DC	140°F (60°C)
High Intensity Integrated LED Light Module, RGA	12/24VAC/DC	140°F (60°C)

Integrated LED Light Module, Multifunction Flashing

VDC	24	—	—	—
VAC	—	24	110	240
mA (blue, green, white)	65	85	35	35
Lamp Life	50k hours			

Bulb-type Light Module, Steady

VAC/DC	12	24	48	110	240
mA	430	210	100	35	22

Integrated LED Light Module, Steady

VDC	24	—	—	—
VAC	—	24	110	240
mA (amber, red, yellow)	65	85	35	35
mA (blue, green, white)	65	75	35	35
Lamp Life	50k hours			

Bulb-type Light Module, Flashing

VDC	12	24	48	—	—
VAC	—	24	48	110	240
mA	430	210	103	37	27
Flash/min	110 ± 20				

Xenon Strobe Light Module

VDC	24	—	—
VAC	—	110	240
mA	280	48	55
Flash/min	65 ± 10	90 ± 20	
Lamp Life	10m flashes		

High Intensity Integrated LED Light Module, Flashing

VAC/DC	12	24
mA	450	420
Flash/min	Strobe = 150 ± 10 Flashing = 72 ± 10	
Lamp Life	100k hours	

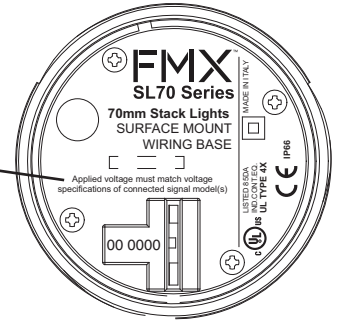
High Intensity Integrated LED Light Module, RGA

VAC/DC	12	24
mA	430	420
Flash/min	150 ± 10	
Lamp Life	100k hours	

Voltage Stickers

12V AC 50/60Hz	48V AC 50/60Hz
12V DC	48V DC
24V AC 50/60Hz	120V AC 50/60Hz
24V DC	240V AC 50/60Hz

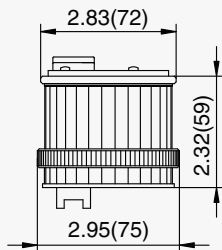
ATTENTION: Applied voltage must match voltage specifications of connected signal module(s).



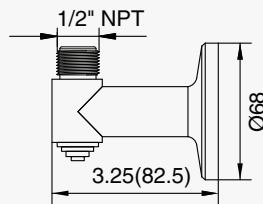
INSTALLATION MUST BE MADE BY TRAINED PERSONNEL
USE APPROPRIATE TIME-LAG FUSES ACCORDING TO THE VOLTAGE ON THE POWER SUPPLY LINE

PRODUCT DIMENSIONS

Light Module

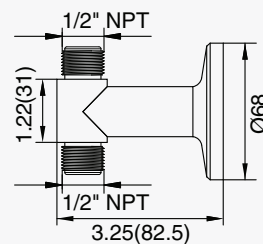


Vertical Mount Base Support
Single



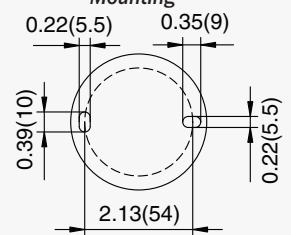
SLA-SVMS

Double

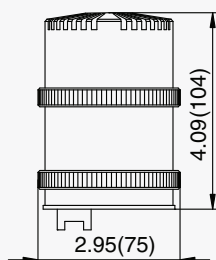


SLA-DVMS

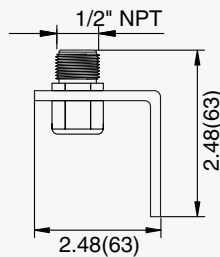
Mounting



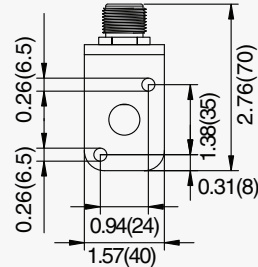
Sound Module



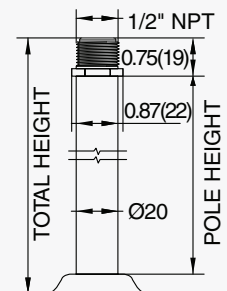
Stainless Steel Vertical Surface Mount Bracket



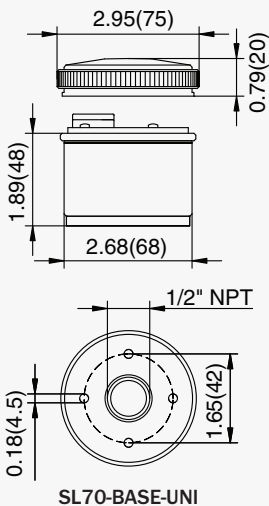
SLA-VSMB-SS



Stainless Steel Pole(s)

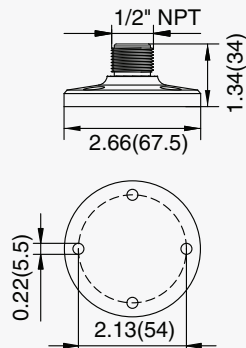


Base



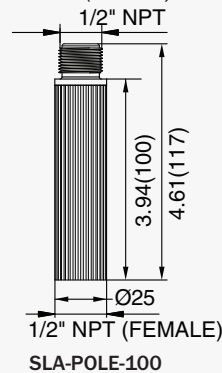
SL70-BASE-UNI

Foot

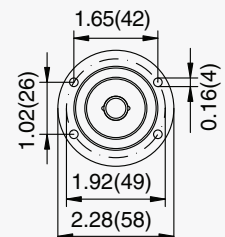


SLA-FOOT

Polycarbonate Pole
3.94"(100mm)



SLA-POLE-100



Part Number	Total Height	Pole Height
SLA-POLE-100SS	5.08 (129)	3.94(100)
SLA-POLE-200SS	9.02(229)	7.87(200)
SLA-POLE-400SS	16.89(429)	15.75(400)

