

# MODULAR STACKLIGHTS

## E26 Series



- **Modular Construction**
- **Six Lens Colors**
- **Variety of Lamp Types and Voltages**
- **Mono-Tonal, Bi-Tonal and Intermittent Audible Alarms**
- **Combination of Visible and Audible Alarms**
- **Modular Components Reduce Inventory Requirements, Increase Flexibility**
- **Steady and Flashing Modes Allow One Light to Signal Multiple Conditions**
- **No-Tools Assembly Permits Easy Lamp Replacement**

The E26 stacklight unit is a modular system that provides illuminated and audible status indication in all directions. Easily assembled plug-in modular units include constant, flashing and strobe light units, as well as bi-tonal alarm systems. Stacklights may be assembled in a variety of configurations. Numerous lamp, color and mounting options further enhance the stacklight's versatility.

### ASSEMBLING

#### A STACKLIGHT SYSTEM

##### 1) Select a Base Unit

Two base units are available, the standard base unit or a flashing base.

##### 2) Select an Extension Tube

Models are available in lengths from 1 inch to 14 inches as well as with right angle design.

##### 3) Select an Optional Mounting Plate

The standard 4 hole mounting plate attaches to the bottom of the bottom of the extension tube to provide an easy and secure means of mounting the stack light.

##### 4) Select up to Six Light Modules

Light modules are available in a variety of colors with either incandescent or LED light sources. The incandescent lights are lower cost and brighter than the LEDs, however, the LEDs have a greater bulb life.

##### 5) Optional Alarm Module

The bi-tonal alarm module mounts on the top of the stack. When used only 5 light modules may be used.

### BASE UNITS

#### STANDARD STACKLIGHT BASE

For use with incandescent or standard LED for steady, non-flashing illumination or with flashing LEDs for flashing illumination. Bases include terminal block for wiring, stacklight cover and gasket.

#### FLASHING STACKLIGHT BASE

Allows configuration of each light in the stack for either steady or 60 times per minute flashing illumination. Flashing circuit for use with incandescent lamps only.



| MODEL NUMBER           | DESCRIPTION                           |
|------------------------|---------------------------------------|
| <b>BASES</b>           |                                       |
| <b>E26BL</b>           | Standard base 12 Vac/dc to 240 Vac/dc |
| <b>E26BFV4</b>         | Flashing base 120 Vac/dc              |
| <b>EXTENSION TUBES</b> |                                       |
| <b>E26BHU</b>          | Black extension tube 1"               |
| <b>E26BJU</b>          | Black extension tube 6"               |
| <b>E26BKU</b>          | Black extension tube 14"              |
| <b>E26BRU</b>          | Black right angle extension tube      |
| <b>MOUNTING PLATE</b>  |                                       |
| <b>E26S109</b>         | Standard 4-hole mounting base         |

## SPECIFICATIONS

### Standards and Certifications:

CE 60947-5-1

UL 508—File #E131568

cUL C22.2 No. 14—File #E131568

### Ingress Protection:

#### Stacklight Base and Light Units:

NEMA 4 (IP65), 4X and 13

Alarm Units: NEMA 1 (IP20)

### Electrical Shock Protection:

Stacklight Base and Light Unit: IP2X

Alarm Units: IP0X

### Mechanical Ratings:

Shock (IEC 68-2-27): 11 mS, 15 g

Vibration (IEC 68-2-6): 10 sweeps,

10 to 150 Hz, 2 g

Bump (IEC 68-2-29): 1000 pulses,

6 mS, 15 g

### Climate Conditions:

Operating: Maximum 40°C (104°F)  
at 95% RH, temperature -20 to 60°C  
(-4 to 140°F)

Storage Temperature: -40 to 80°C  
(-40 to 176°F)

### Materials:

Cover: Polycarbonate

Lenses: Polycarbonate

Stacklight Base: Nylon

Extension Tubes: Aluminum

Mounting Base: Zinc die cast

### Terminals:

Single Conductors: 14 to 30 AWG  
(2.5 to 0.05 mm<sup>2</sup>)

Two Conductors of the Same Size:  
18 to 26 AWG (0.75 to 0.14 mm<sup>2</sup>)

*Do not mix solid and stranded wire in the same terminal.*

Recommended Tightening Torque:  
0.5 to 0.6 Nm (4.4 to 5.3 lb-in)

### Electrical Ratings:

Insulation Voltage (Ui): 690V

Operational Voltage (Ue): 250V

Impulse Withstand Voltage (Uimp):  
1.5 kV

## BULB SPECIFICATIONS

Incandescent Lamp Type: BA15d

Maximum Lamp Wattage: 6 W

Bulbs—Average Life:

Incandescent: 7000 to 12,000 hrs  
(based on voltage)

LED: 60,000 to 100,000 hrs  
(based on colors)

## LED/INCANDESCENT COMPARISON

Incandescent Lamps: Average operating life of 7000 hours; each lamp can be used with any color lens; low cost results in short term savings

LED Lamps: Average operating life of 60,000 to 100,000 hours; low power consumption; extended life results in long-term savings

## E26 STACKLIGHT INCANDESCENT APPLICATION DATA

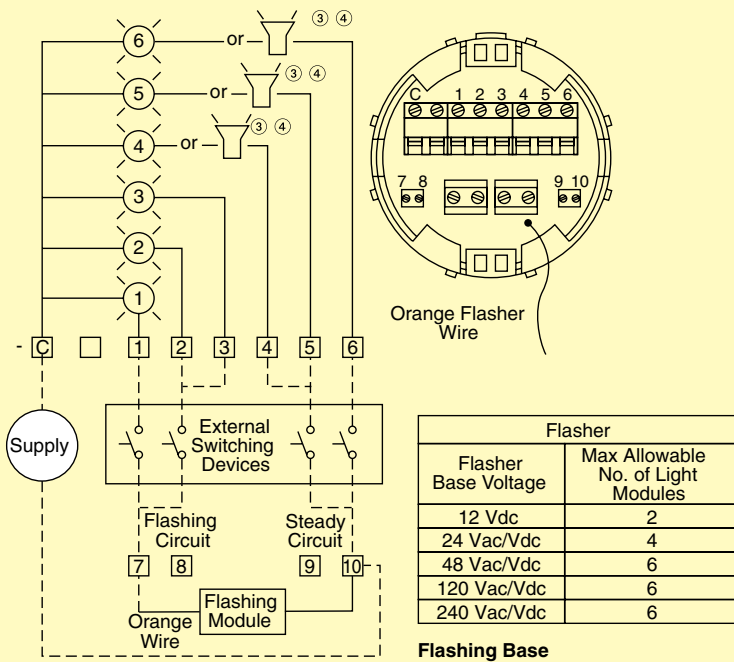
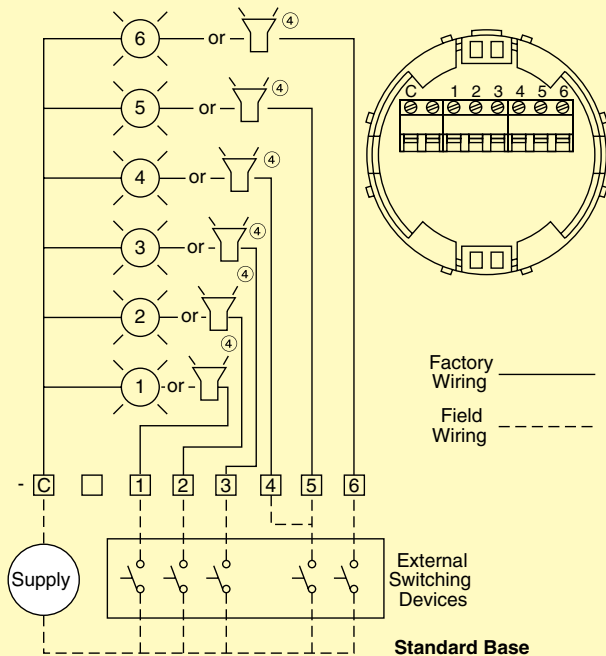
| TYPE OF LIGHT | LAMP USED | APPROXIMATE CURRENT, mA PER LIGHT | THEORETICAL LAMP LIFE, HOURS AS APPLIED |
|---------------|-----------|-----------------------------------|-----------------------------------------|
| 12V           | BA15d     | 417                               | 7000                                    |
| 24V           | BA15d     | 208                               | 7000                                    |
| 48V           | BA15d     | 104                               | 7000                                    |
| 110 to 140V   | BA15d     | 36 to 50                          | 7000                                    |
| 220 to 260V   | BA15d     | 23 to 27                          | 12,000                                  |

## E26 STACKLIGHT LED APPLICATION DATA, CONTINUOUS/FLASHING LED

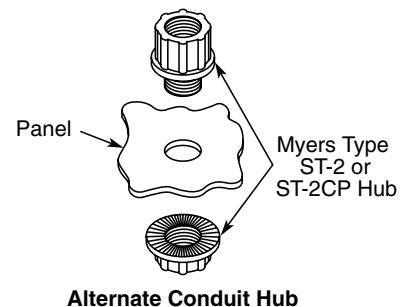
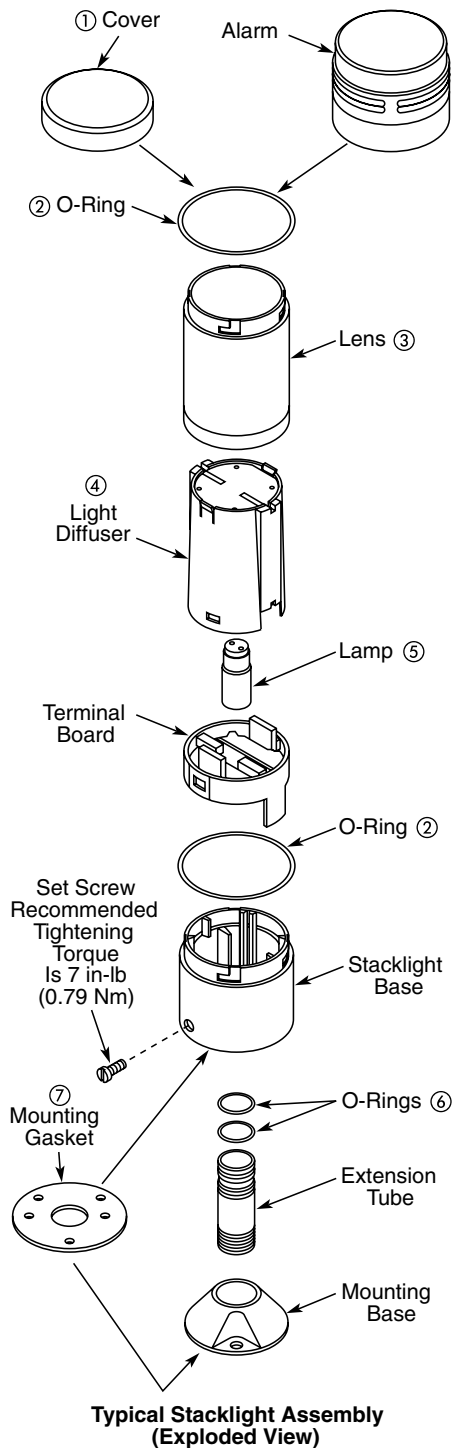
| TYPE OF LIGHT | COLOR  | APPROXIMATE CURRENT, mA AT RATED VOLTS |                 | THEORETICAL LAMP LIFE, HOURS AS APPLIED |
|---------------|--------|----------------------------------------|-----------------|-----------------------------------------|
|               |        | CLUSTER LED                            | CYLINDRICAL LED |                                         |
| 12 Vac/Vdc    | Red    | 92                                     | 92              | 100,000                                 |
|               | Amber  | 92                                     | 92              | 100,000                                 |
|               | Yellow | 92                                     | 92              | 100,000                                 |
|               | Green  | 60                                     | 60              | 80,000                                  |
|               | Blue   | 60                                     | 60              | 60,000                                  |
|               | White  | 60                                     | 60              | 60,000                                  |
| 24 Vac/Vdc    | Red    | 47                                     | 47              | 100,000                                 |
|               | Amber  | 47                                     | 47              | 100,000                                 |
|               | Yellow | 47                                     | 47              | 100,000                                 |
|               | Green  | 59                                     | 59              | 80,000                                  |
|               | Blue   | 59                                     | 59              | 60,000                                  |
|               | White  | 59                                     | 59              | 60,000                                  |
| 48 Vac/Vdc    | Red    | 25                                     | 25              | 100,000                                 |
|               | Amber  | 25                                     | 25              | 100,000                                 |
|               | Yellow | 25                                     | 25              | 100,000                                 |
|               | Green  | 18                                     | 18              | 80,000                                  |
|               | Blue   | 31                                     | 31              | 60,000                                  |
|               | White  | 31                                     | 31              | 60,000                                  |
| 60 Vac/Vdc    | Red    | 25                                     | 25              | 100,000                                 |
|               | Amber  | 25                                     | 25              | 100,000                                 |
|               | Yellow | 25                                     | 25              | 100,000                                 |
|               | Green  | 18                                     | 18              | 80,000                                  |
|               | Blue   | 17                                     | 17              | 60,000                                  |
|               | White  | 17                                     | 17              | 60,000                                  |
| 120 Vac/Vdc   | Red    | 24                                     | 24              | 100,000                                 |
|               | Amber  | 24                                     | 24              | 100,000                                 |
|               | Yellow | 24                                     | 24              | 100,000                                 |
|               | Green  | 17                                     | 17              | 80,000                                  |
|               | Blue   | 16                                     | 16              | 60,000                                  |
|               | White  | 16                                     | 16              | 60,000                                  |

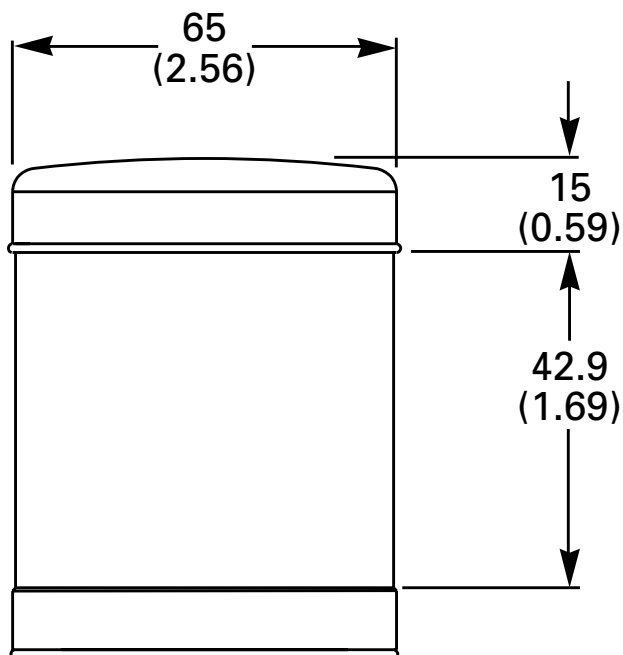
Note: Published theoretical lamp lives are based on ideal laboratory conditions and should be used for comparison only. Actual life may be shorter due to various application conditions.

# STANDARD AND FLASHING BASES, MOUNTING

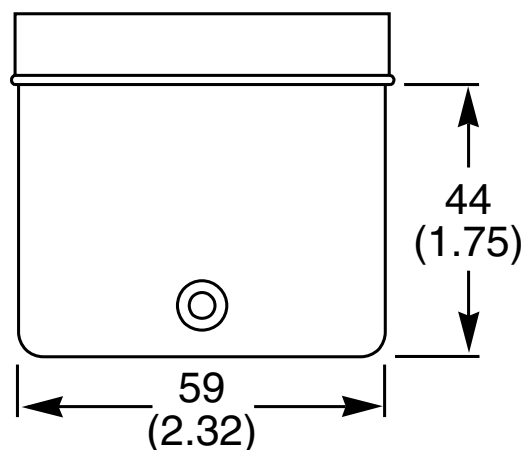


- Note:**
1. Bases also suitable for mounting with extension tubes
  2. Mounting gasket and cover are supplied as standard with stacklight bases
  3. Audible alarm units must be wired via the steady circuit on flashing base units
  4. Audible alarm units can be wired in positions as shown but only one unit is permitted on each stack and unit must occupy the last or top mounting position





Dimensions: mm (in)



## ALARM UNITS

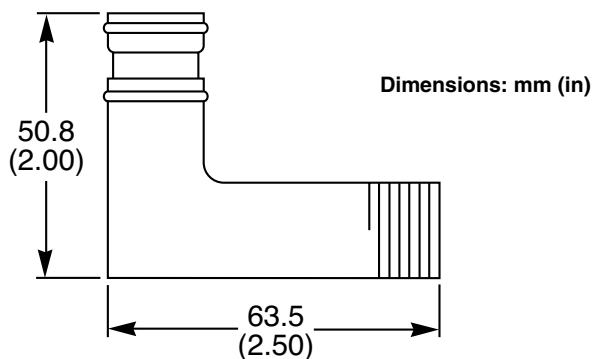
### To Order

| MODEL NO.      | DESCRIPTION                                                                                                          |
|----------------|----------------------------------------------------------------------------------------------------------------------|
| <b>E26BNV4</b> | NEMA 1 (IP20) bi-tonal audible alarm, volume adjustment range: 64 to 90 dB typical current draw 11.5 mA, 120 Vac/Vdc |

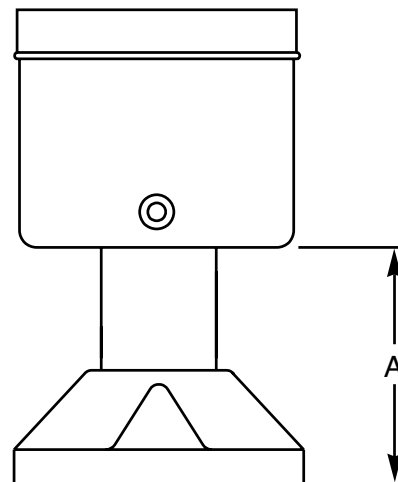
## STANDARD AND FLASHING BASES, MOUNTING

### To Order

| MODEL NO.      | DESCRIPTION                                                                                                    |
|----------------|----------------------------------------------------------------------------------------------------------------|
| <b>E26BL</b>   | 12 to 240 Vac/Vdc standard base for use with steady incandescent or steady/flashing LED                        |
| <b>E26BFV4</b> | 120 Vac/Vdc flashing base enables configuration of incandescent light modules for steady or flashing operation |



Right Angle Extension Tube



## EXTENSION TUBES\*

### To Order

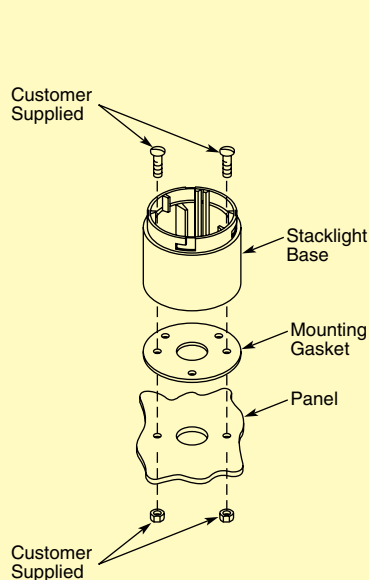
| MODEL NO.     | DESCRIPTION                |
|---------------|----------------------------|
| <b>E26BHU</b> | 20 mm (0.79") extension    |
| <b>E26BJU</b> | 160 mm (6.30") extension   |
| <b>E26BKU</b> | 360 mm (14.17") extension  |
| <b>E26BRU</b> | Right angle extension tube |

\* For use with standard mounting base or 3/4 NPT threaded hub—black aluminum.

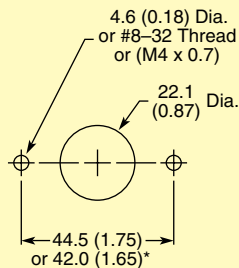
| Tube Extension | Height A    |
|----------------|-------------|
| 20 (0.79)      | 45 (1.77)   |
| 160 (6.30)     | 185 (7.28)  |
| 360 (14.17)    | 385 (15.16) |
| 760 (29.92)    | 785 (30.91) |

# MOUNTING

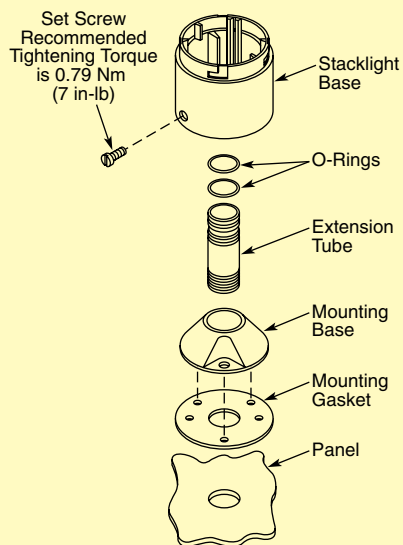
Stacklight bases may be mounted without the use of extension tube or mounting base. If additional height is required, choose 20 to 760 mm (0.8 to 30") extension tubes that fit between the mounting base and stacklight base. The extension tubes are threaded with ¾ NPT threads, allowing for direct connection to conduit fittings or threaded holes without the use of a mounting base.



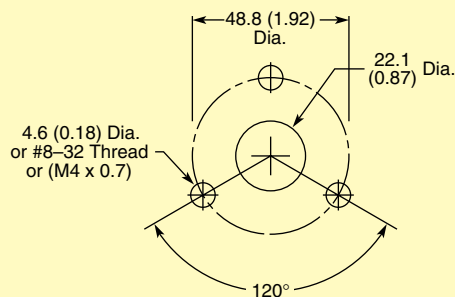
**Base Mounting**



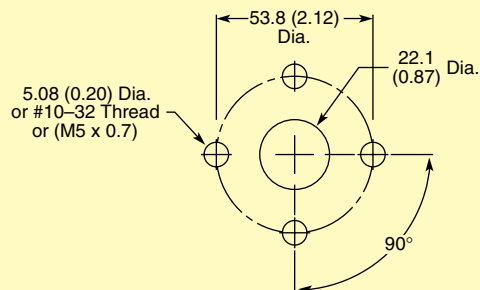
**Base Mounting**



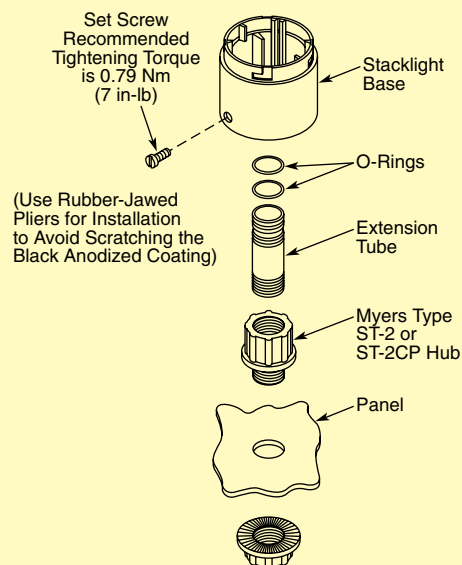
**Utilizing Extension  
Tube and Mounting Base**



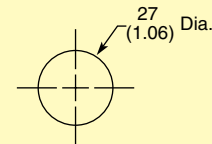
**3-Hole Mounting for E26S108**



**4-Hole Mounting for E26S109**



**Utilizing Extension Tube and  
19.1 (0.75) Conduit Hub**

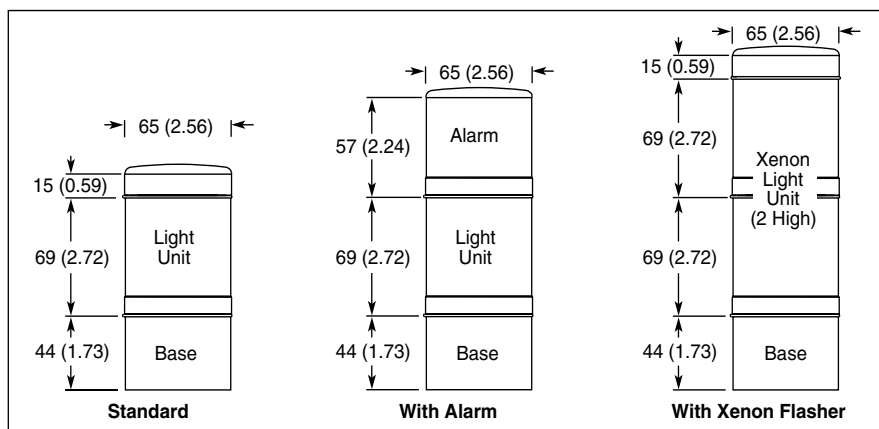


**19.1 (0.75) Conduit  
Hub for E26S104**

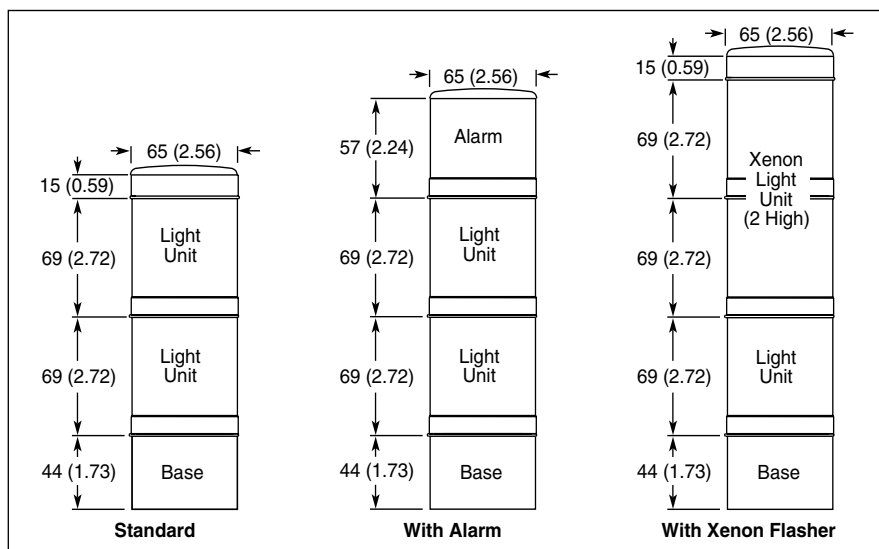
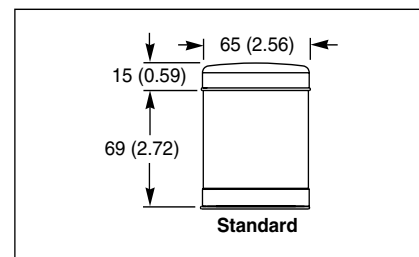
**Dimensions: mm (in)**

\* Stacklight base and gasket are supplied as standard with two sets of base mount holes. One set with center-to-center spacing of 44.5 mm (1.75") and another set with center-to-center spacing of 42 mm (1.65")

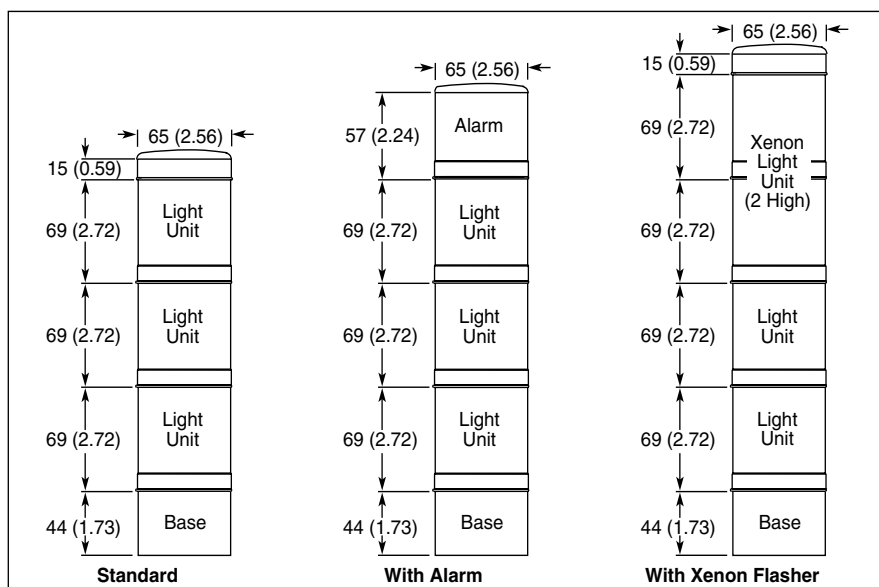
# DIMENSIONS



One-Light Unit Stacklight



Two-Light Unit Stacklight



Three-Light Unit Stacklight

## LIGHT MODULES

Available in a variety of colors for both incandescent lamps and LED lamps. To maximize illumination and light dispersion, incandescent units include an opal white diffuser while LED diffusers are clear.

| To Order  |                                             |
|-----------|---------------------------------------------|
| MODEL NO. | DESCRIPTION                                 |
| E26B0V2   | Clear incandescent 24 Vac/dc light module   |
| E26B0V4   | Clear incandescent 120 Vac/dc light module  |
| E26B2V2   | Red incandescent 24 Vac/dc light module     |
| E26B2V4   | Red incandescent 120 Vac/dc light module    |
| E26B3V2   | Green incandescent 24 Vac/dc light module   |
| E26B3V4   | Green incandescent 120 Vac/dc light module  |
| E26B4V2   | Yellow incandescent 24 Vac/dc light module  |
| E26B4V4   | Yellow incandescent 120 Vac/dc light module |
| E26B6V2   | Blue incandescent 24 Vac/dc light module    |
| E26B6V4   | Blue incandescent 120 Vac/dc light module   |
| E26B9V2   | Amber incandescent 24 Vac/dc light module   |
| E26B9V4   | Amber incandescent 120 Vac/dc light module  |
| E26BW1V2  | White LED 24 Vac/dc light module            |
| E26BY1V2  | Yellow LED 24 Vac/dc light module           |
| E26BY1V4  | Yellow LED 120 Vac light module             |
| E26BB1V2  | Blue LED 24 Vac/dc light module             |
| E26BB1V4  | Blue LED 120 Vac light module               |
| E26BA1V2  | Amber LED 24 Vac/dc light module            |
| E26BA1V4  | Amber LED 120 Vac light module              |
| E26BG1V2  | Green LED 24 Vac/dc light module            |
| E26BG1V4  | Green LED 120 Vac light module              |
| E26BR1V2  | Red LED 24 Vac/dc light module              |
| E26BR1V4  | Red LED 120 Vac light module                |

**Ordering Example:** (Basic system) **E26BL** base, **E26BHU** extension tube, **E26S109** mounting base, **E26B2V4** light module, and **E26S11** lamp.

## REPLACEMENT LEDS AND LAMPS

| To Order  |                                |
|-----------|--------------------------------|
| MODEL NO. | DESCRIPTION                    |
| E26S123   | White 24 Vac replacement LED   |
| E26S119   | Yellow 24 Vac replacement LED  |
| E26S140   | Yellow 120 Vac replacement LED |
| E26S122   | Blue 24 Vac replacement LED    |
| E26S143   | Blue 120 Vac replacement LED   |
| E26S118   | Amber 24 Vac replacement LED   |
| E26S139   | Amber 120 Vac replacement LED  |
| E26S121   | Green 24 Vac replacement LED   |
| E26S142   | Green 120 Vac replacement LED  |
| E26S117   | Red 24 Vac replacement LED     |
| E26S138   | Red 120 Vac replacement LED    |
| E26S11    | 120 Vac/dc replacement lamp    |
| E26S9     | 24 Vac/dc replacement lamp     |

## ALARM MODULE

May be fitted to the top of a complete stacklight unit or directly to the stacklight bases, if desired. Also features adjustable sound levels.

| To Order  |                       |
|-----------|-----------------------|
| MODEL NO. | DESCRIPTION           |
| E26BNV4   | Bi-tonal alarm module |

## COMPLETED STACKLIGHT ASSEMBLIES

| To Order       |                                                                  |
|----------------|------------------------------------------------------------------|
| MODEL NO.      | DESCRIPTION                                                      |
| E26XWWL392W-V4 | 3 high assembled 120V green, amber, red, incandescent            |
| E26XWWL392Q-V4 | 3 high assembled 120V green, amber, red, incandescent with alarm |