

Project		Catalog #		Type	
Prepared by		Notes		Date	



## Fail-Safe

### MCL / MHN / MSN / MLN

- 3" x 5" Nominal Size
- Die-cast Aluminum Face-plate
- Universal Voltage
- Clear Protective Polycarbonate Lens
- Thru Wall Available

#### Typical Applications

Healthcare, Corridors, Patient Rooms, Bathrooms

#### Interactive Menu

- Order Information [page 2](#)
- Product Specifications [page 3](#)
- Product Warranty

#### Product Certification



#### Product Features



**16 Architectural Colors**  
See pages 2 and 3 for details

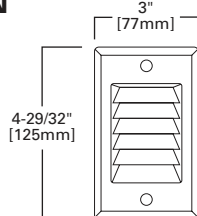
#### Top Product Features

- Fits into standard single gang junction box for easy installation - 3" x 5" nominal face-plate size
- White and black face-plate standard. Custom colors available.
- Die-cut gasket standard for wet location applications, under covered ceiling (MHN, MLN, MSN)
- Universal voltage 120V-277V standard
- Clear polycarbonate lens, 0.040" thick, for protection and durability
- Anti-microbial matte white paint standard on face-plate

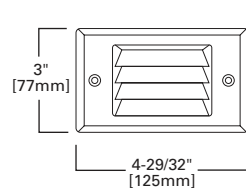
#### Dimensional and Mounting Details

For more detailed dimensions, refer to page 4.

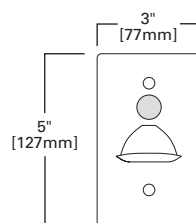
**MLN**



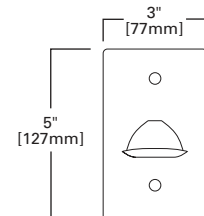
**MHN**



**MCL** (On/off push-button switch or photocell)



**MSN**



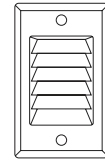
[additional product diagrams](#)

## MLN / MHN / MSN Order Information

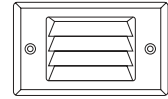
SAMPLE ORDER NUMBER: **MSN-UNV-W**

SAMPLE ORDER NUMBER: **BAA-MHN-UNV-W**

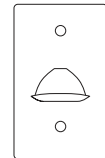
Domestic Preferences <sup>(1)</sup>	Product Family	Voltage	Faceplate Color
<b>[Blank]</b> =Standard <b>BAA</b> =Buy American Act	<b>MHN</b> =Medical Horizontal Louver <sup>(2),(3)</sup> <b>MLN</b> =Medical Louver Nightlight <sup>(2),(3)</sup> <b>MSN</b> =Medical Scoop Nightlight <sup>(2),(3)</sup>	<b>UNV</b> =120V-277V	<b>W</b> =Matte White Paint Anti-Microbial <b>Standard Colors</b> <b>[Blank]</b> =Matte White <b>GW</b> =Gloss White <b>DP</b> =Dark Platinum, Satin Finish <b>BK</b> =Black, Satin Finish <b>BZ</b> =Bronze <b>Architectural Colors</b> <b>TCB</b> =Terra Cotta Brick <b>MRR</b> =Merlot Red <b>PMK</b> =Pumpkin <b>GLD</b> =Goldenrod <b>SGG</b> =Sage Green <b>EVG</b> =Evergreen <b>CBL</b> =Coastal Blue <b>NTB</b> =Night Blue <b>UMB</b> =Ultramarine Blue <b>PPV</b> =Purple Violet <b>NTN</b> =Neutral Tan <b>DBG</b> =Dark Beige <b>CRM</b> =Cream <b>SLG</b> =Silver Grey <b>OLG</b> =Olive Green <b>MHB</b> =Mahogany Brown <b>RALxxxx</b> =RAL Number Color <sup>(4)</sup>
<b>Notes</b> (1) Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA), respectively. Please refer to <a href="#">DOMESTIC PREFERENCES</a> website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.	<b>Notes</b> (2) Wet location standard on MLN, MHN and MSN. (3) Standard white (4000K) LEDs and a clear polycarbonate lens.		<b>Notes</b> (4) Replace XXXX with unique 4 digit RAL number. Please contact Fail-Safe Tech for a list of additional finish swatches.



**MLN**



**MHN**



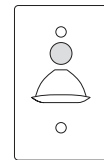
**MSN**

## MCL Order Information

SAMPLE ORDER NUMBER: **MCL-W-UNV-W**

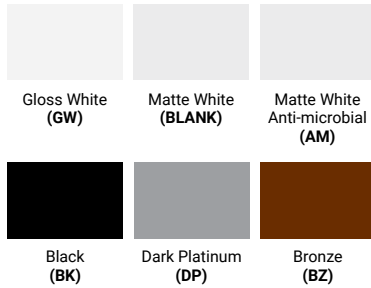
**BAA-MCL-W-UNV-B-PHC**

Domestic Preferences <sup>(1)</sup>	Product Family	LED Color <sup>(5)</sup>	Voltage	Faceplate Color	Style	Options
<b>[Blank]</b> =Standard <b>BAA</b> =Buy American Act	<b>MCL</b> =Medical Chart Light	<b>W</b> =White <b>A</b> =Amber	<b>UNV</b> =120V-277V	<b>W</b> =Matte White Paint Anti-Microbial <b>Standard Colors</b> <b>[Blank]</b> =Matte White <b>GW</b> =Gloss White <b>DP</b> =Dark Platinum, Satin Finish <b>BK</b> =Black, Satin Finish <b>BZ</b> =Bronze <b>Architectural Colors</b> <b>TCB</b> =Terra Cotta Brick <b>MRR</b> =Merlot Red <b>PMK</b> =Pumpkin <b>GLD</b> =Goldenrod <b>SGG</b> =Sage Green <b>EVG</b> =Evergreen <b>CBL</b> =Coastal Blue <b>NTB</b> =Night Blue <b>UMB</b> =Ultramarine Blue <b>PPV</b> =Purple Violet <b>NTN</b> =Neutral Tan <b>DBG</b> =Dark Beige <b>CRM</b> =Cream <b>SLG</b> =Silver Grey <b>OLG</b> =Olive Green <b>MHB</b> =Mahogany Brown <b>RALxxxx</b> =RAL Number Color <sup>(4)</sup>	<b>[Blank]</b> =On/Off Button, Illuminated. Depress Button to Energize Unit.	<b>PHC</b> =Photocell (in place of standard on/off switch <sup>(6),(7)</sup> )
<b>Notes</b> (1) Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA), respectively. Please refer to <a href="#">DOMESTIC PREFERENCES</a> website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.		<b>Notes</b> (5) White LEDs are 4000K. Amber LEDs are 610nm +/-10nm.		<b>Notes</b> (4) Replace XXXX with unique 4 digit RAL number. Please contact Fail-Safe Tech for a list of additional finish swatches.		<b>Notes</b> (6) The MCL version of Circadian is supplied with a photo optic cell which turns the light source (LED) off when the ambient light rises above the MCL set point or threshold. In a very limited number of applications, where the sustained ambient light is at or near the MCL set point, the user may experience "flickering" of the light. To avoid "flickering", do not install the MCL in areas such as in dark shadows or dark corners. Should flickering occur, relocate the MCL to an area of higher ambient light. (7) Photocell <b>on</b> on/off button - not both.



**MCL**

## Fail-Safe Standard Colors



## Fail-Safe Architectural Colors



## Description

Nightlights and chart lights bring soft, low level illumination to any environment. Fitting into a standard junction box (single-gang, handy box, 2" minimum inside width) for easy installation, the MCL,MSN, MHN and MLN operate on 120V-277V, delivering up to 30 lumens of illumination. The MCL Chart Light has an illuminated push-button switch. Depress the switch to energize the unit. A Thru Wall Junction Box is available, that accommodates wall thickness from 3 1/2" to 6", and uses two night lights.

## Product Specifications

### Mounting / Installation

- Fits into standard junction box for easy installation (single-gang, handy box, 2" minimum inside width)

### Faceplate

- Unique face-plate design distributes light evenly
- Die-cast aluminum louvered or scoop faceplates
- Matte white anti-microbial painted faceplate standard; black paint option available - gloss finish
- Electrostatically applied, matte white powder coat finish; gloss white, silver, black, bronze, dark platinum available; Custom colors available (supply RAL number, paint chips, or paint manufacturer catalog number). 16 architectural colors available.

### Photocell

- Threshold values; MCL energizes at nominal 2 vertical foot candles. Unit extinguishes at nominal 10 vertical footcandles.

### LED

- Standard white is 4000K. Amber peak wavelength is 610nm (+/- 10nm). Full width half max. is 95nm (+/-10nm).

### Protective Lens

- Clear, 0.040" thick clear polycarbonate protective lens, standard
- MCL:** Clear acrylic lens, 0.040" thick
- Thru Wall Junction Box:** Night lights (2) fit into the galvanized steel junction box. Order on a separate line item

### Wattage

- < 5 input watts

### Labels

- MLN, MHN: Wet location listed, under covered ceiling
- MSN: Wet location listed above 4' mounting height, under covered ceiling
- MCL: Dry location listed, IK07 rated
- MLN: IP64 rated from the room side with no modification needed and IK08 rated for impact resistance
- Options to meet Buy American Act requirements

### Warranty

- 3 year limited warranty

## Thru Wall Junction Box (order as separate line item)

### Order as "TWJB"

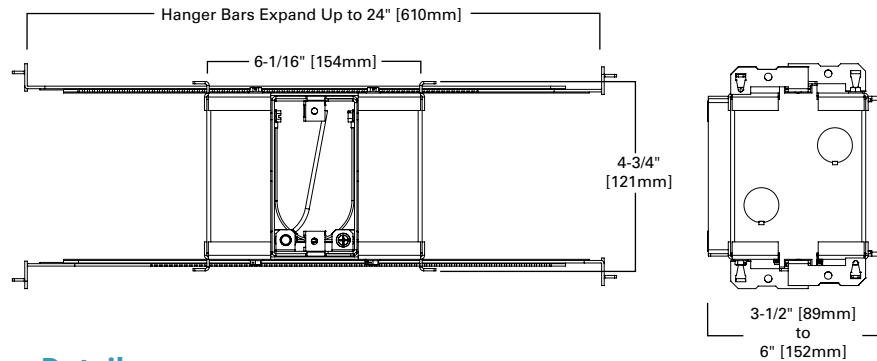
Use (1) TWJB with (2) Night Lights  
TWJB can be rotated 90° and be used with the MHN



## Tamper-resistant Screws (order as separate line item)

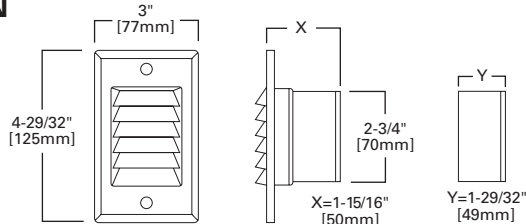
**TP-SCREW-2-T10 WHT PK**=T10 Tamper resistant white screws, qty. 2

**TP-SCREW-2-T10 BLK PK**=T10 Tamper resistant black screws, qty. 2

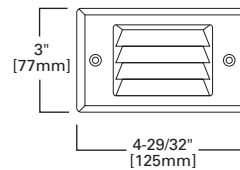


## Dimensional and Mounting Details

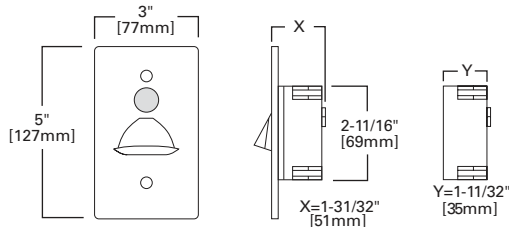
### MLN



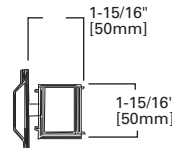
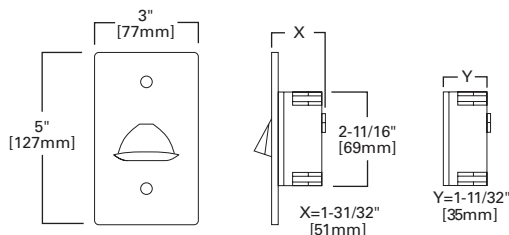
### MHN



### MCL (On/off push-button switch or photocell)



### MSN



For retrofit applications, check width, height and depth of existing junction box. Requires 2" minimum inside width.

## Specifications

	MLN / MHN	MCL / MSN
Illumination	Minimum 30 Lumens	Minimum 30 Lumens
Input Wattage	< 5 Watts	< 5 Watts
Face Plate	Die-cast aluminum	Die-cast aluminum
Code Compliance	UL 1598	UL 1598
Input Voltage	120V-277V	120V-277V
Mounting / Installation	Single-gang junction box (2" minimum inside width)	Single-gang junction box (2" minimum inside width)
Labels	UL listed	UL listed