

# LMB Series Sealed Right-Angle Brackets



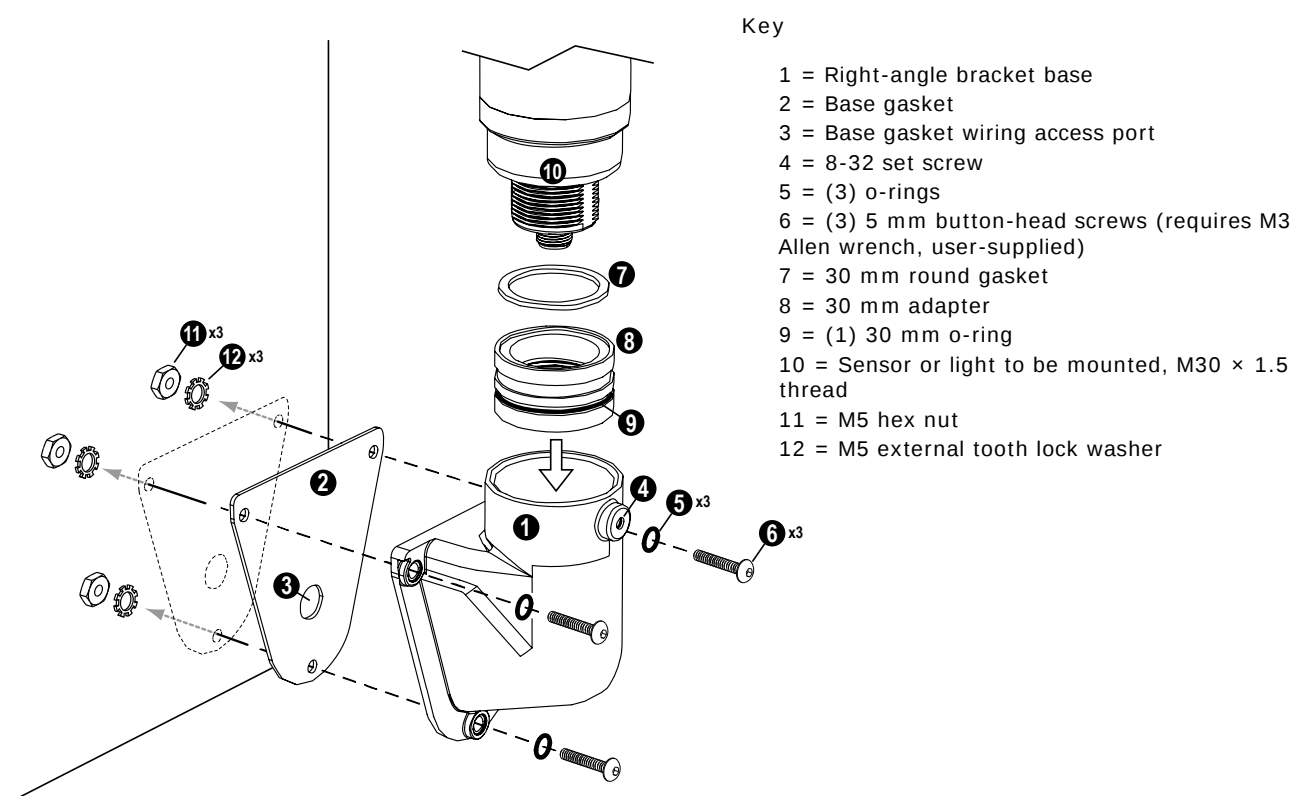
## Datasheet

Watertight (IP67) mount for direct-mount or pipe-mount sensors or indicators with a 30 mm threaded base

To view or download the latest technical information about this product, including specifications, dimensions, accessories, and wiring, see <http://www.bannerengineering.com>.

## Models

| Model    | Description                                                                     | Construction        |
|----------|---------------------------------------------------------------------------------|---------------------|
| LMB30RA  | Bracket kit with base, 30 mm adapter, set screw, fasteners, o-rings and gaskets | Black polycarbonate |
| LMB30RAC |                                                                                 | Gray polycarbonate  |



## Installation Instructions

To achieve an IP67 installation, assemble the bracket and light components as shown.

1. Using the base gasket as a template, mark drill holes (5.5 mm) in the mounting surface for the three screw holes and one (12.7 mm) for the wiring to extend through the surface, as needed.
2. Holding the bracket base and gasket firmly against the mounting surface, insert an o-ring on each M5 screw and fasten using the washers and nuts supplied with the bracket.
3. Insert the 30 mm gasket onto the light/sensor threaded base.
4. Screw the 30 mm adapter onto the light/sensor base (hand-tight), in the orientation as shown in the exploded drawing.
5. Verify the o-ring is in place on the adapter, as shown in the exploded drawing.

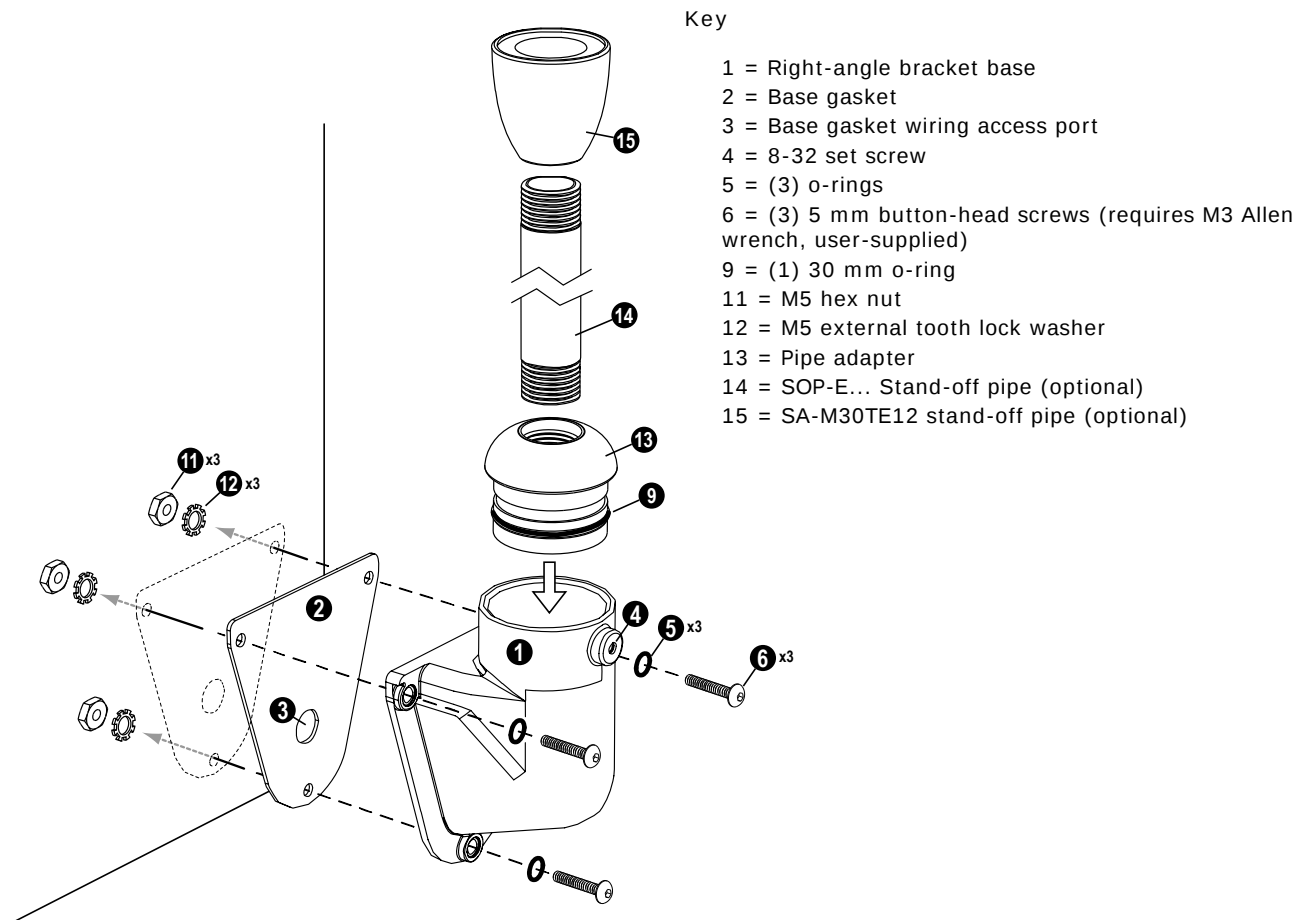


## Additional Steps for Direct-Mount Applications

1. Route the cable or QD cordset through the bracket. If sensor/indicator has a QD fitting, attach the cordset fitting firmly to the sensor/indicator connector.
2. Rotate the light (or sensor) relative to the base until the correct orientation is achieved; press the light and adapter into the base. (If rotating the light after it is in the base, turn it only in a clockwise direction.)
3. Tighten the set screw to 0.17 Nm (1.5 in-lbf) max. torque, using the supplied M3 Allen wrench.

## Models

| Model     | Description                                                                                                                                    | Construction        |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| LMBE12RA  | Bracket kit with base, ½-14 pipe adapter, set screw, fasteners, o-rings and gaskets. For use with stand-off pipe (listed and sold separately). | Black polycarbonate |
| LMBE12RAC |                                                                                                                                                | Gray polycarbonate  |

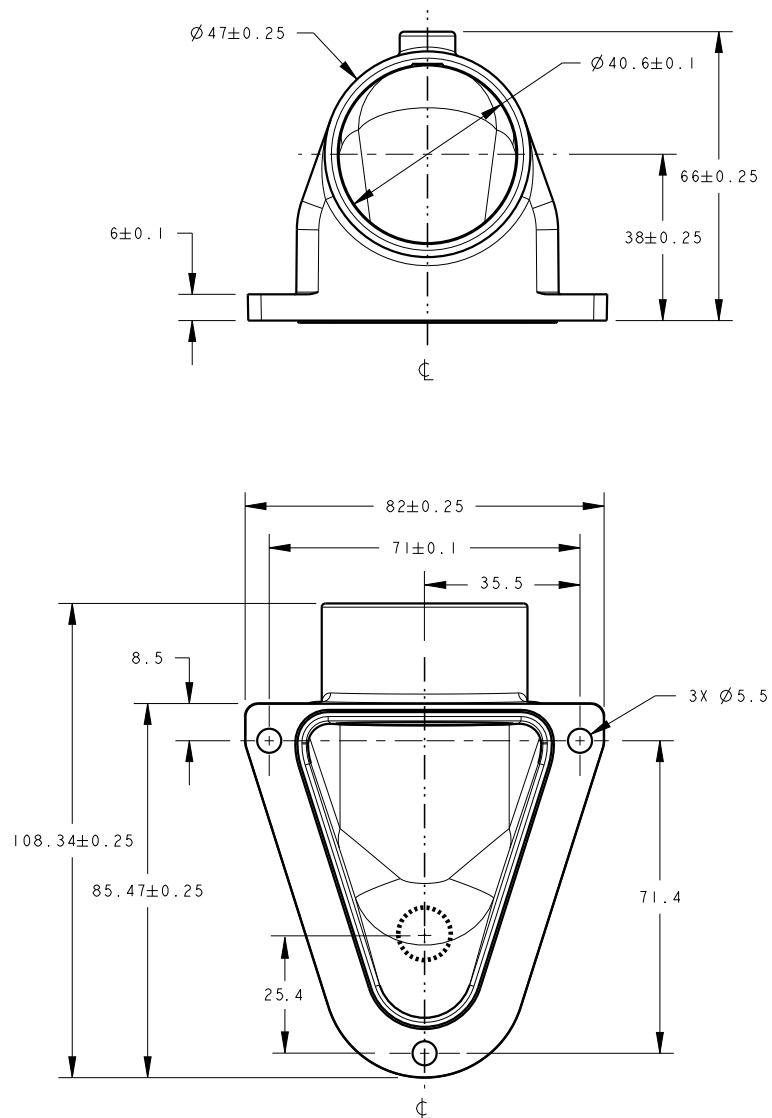


## Additional Steps for Pipe-Mount Applications

1. Use a pipe sealant to seal the pipe end adapter, if a watertight connection is needed.
2. Insert the pipe adapter firmly into the base.
3. position the threaded pipe end into the adapter and screw snugly.
4. Attach the SA-M30TE12 stand-off pipe adapter to the pipe, screw snugly.
5. Route the cable or QD cordset through the bracket, pipe, and adapters. If sensor/indicator has a QD fitting, attach the cordset fitting firmly to the sensor/indicator connector.
6. Attach the sensor/indicator to the SA-M30TE12 stand-off pipe adapter. Rotate the light (or sensor) relative to the base until the correct orientation is achieved; press the light and adapter into the base.

| Pipe Model    | Description                                                                                                                                                                                                                              | Construction                 |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| SOP-E12-150SS | <ul style="list-style-type: none"> <li>Elevated-use stand-off pipe (<math>\frac{1}{2}</math> inch NPSM/DN15),</li> <li><math>\frac{1}{2}</math> NPT thread at both ends</li> <li>Compatible with most industrial environments</li> </ul> | 150 mm (6 in) long           |
| SOP-E12-150A  |                                                                                                                                                                                                                                          | Polished 304 stainless steel |
| SOP-E12-150AC |                                                                                                                                                                                                                                          | Black anodized aluminum      |
| SOP-E12-300SS |                                                                                                                                                                                                                                          | Clear anodized aluminum      |
| SOP-E12-300A  |                                                                                                                                                                                                                                          | 300 mm (12 in) long          |
| SOP-E12-300AC |                                                                                                                                                                                                                                          | Polished 304 stainless steel |
| SA-M30TE12    | <ul style="list-style-type: none"> <li>Streamlined stand-off pipe adapter/cover</li> <li>Connects between 30 mm light base and <math>\frac{1}{2}</math> inch NPSM/DN15 pipe</li> <li>Mounting hardware included</li> </ul>               | Black acetal                 |
| SA-M30TE12C   |                                                                                                                                                                                                                                          | White UHMW                   |

## Dimensions



## Banner Engineering Corp. Limited Warranty

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