
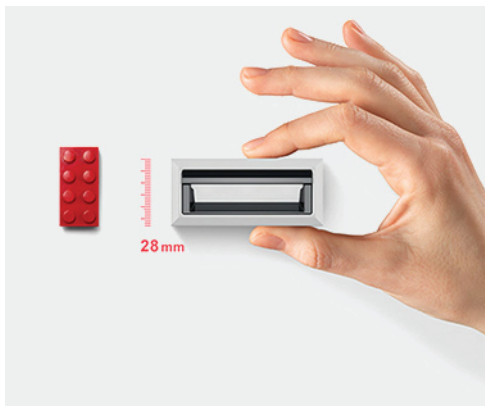
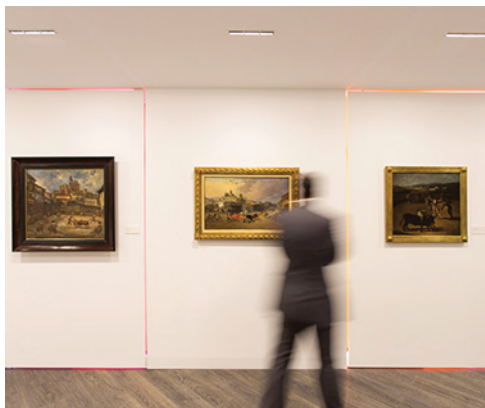


Laser Blade XS-LC is the extension of the award winning Laser Blade collection. This new family of downlights is specifically designed for low ceiling clearance applications, with only 2" (51mm) total height they are suitable for most ceiling conditions including insulated ceilings. The luminaires are equipped with high performance Opti Beam optics system for low luminance wall washer distribution up to 450 Lumens (3000K, 90CRI) The XS LC are suitable for most ceiling conditions, retrofit or new construction, and they can also be installed in direct contact with insulation without needing a housing or thermal protection. The collection is paired with the industry best power supplies and can be dimmed down to 0.1 %.

## Luminaire characteristic:

**Power input:** 5W to 13W (remote fixture only)  
**Lumens:** 120lm to 450lm (for 3000K, 90CRI)  
**Luminaire efficacy:** Up to 34lm/W

|                           |                                                                                                                                                           |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Source:</b>            | White LED (LM-80),<br>2700K : 90CRI,<br>3000K : 90CRI,<br>3500K : 90CRI,<br>4000K : 90CRI.                                                                |
| <b>Lumen maintenance:</b> | 80% of initial lumens at 50 000 hours (L80) (LM-79).                                                                                                      |
| <b>Optic:</b>             | Wall washer,<br>Wall washer LGC (longitudinal glare control)                                                                                              |
| <b>Material:</b>          | Body: Die-cast Zamak (zinc/aluminum alloy)<br>Diffuser: Frosted PMMA diffuser with linear optic<br>Reflector: Superpure aluminum<br>Baffle: Polycarbonate |
| <b>Mounting:</b>          | Remodel or new construction with plaster frame (page 5).                                                                                                  |
| <b>Electrical:</b>        | See remote LED driver options on page 3-4.                                                                                                                |
| <b>Finish:</b>            | Black, white (RAL9010) and grey (RAL9006).                                                                                                                |
| <b>Weight:</b>            | ILBXS03: 0.33lbs (0.15kg)<br>ILBXS05: 1.06lbs (0.48kg)<br>ILBXS10: 1.21lbs (0.55kg)<br>ILBXS15: 1.94lbs (0.75kg)                                          |
| <b>Warranty:</b>          | 5 year limited warranty.                                                                                                                                  |
| <b>Rating:</b>            | IP20, IP43 (from under the ceiling).                                                                                                                      |
| <b>Certification:</b>     |  cULus listed for damp location. Interior use only.                    |



## ORDERING INFO

**ILBXS** - - **- LC -** - - **- REM -**  
FIXTURE

**- LBXS** -  
MOUNTING

### MODEL

☐ **03** - Triple ☐ **05** - Five ☐ **10** - Ten ☐ **15** - Fifteen

### MOUNTING

☐ **TR** - Trim ☐ **TL** - Trimless

### INSTALLATION

☐ **RF** - Remodeling (no housing) ☐ **NC** - New construction plaster frame

### LED

☐ **927** - 2700K, 90 CRI ☐ **930** - 3000K, 90 CRI ☐ **935** - 3500K, 90 CRI ☐ **940** - 4000K, 90 CRI

### OPTIC

☐ **WW** - Wall washer ☐ **WL** - Wall washer LGC (longitudinal glare control)

### VOLTAGE

☒ **REM** - Remote

### FINISH (trim finish / baffle finish)

 **Black baffle** ☐ **01** - White/Black ☐ **10** - Gray/Black ☐ **02** - Black/Black ☐ **02** - Black

## REMOTE LED DRIVER OPTIONS (TO BE ORDERED SEPARATELY)

For ILBXS03-LC • 4.6W\* • 550mA



| Min-max units | Watts | Voltage  | Dimming protocol           | Dimming range    | Connection box dimensions           | Max distance** | Connection box                                         |
|---------------|-------|----------|----------------------------|------------------|-------------------------------------|----------------|--------------------------------------------------------|
| 1-5           | 30    | 120-277V | 0-10V<br>ELDOLED ECOdrive  | Down to<br>±1%   | 8" x 8" x 4"<br>(203 x 203 x 101mm) | 118ft (36m)    | <b>4450-0550-030-UNV-ED10</b> <input type="checkbox"/> |
| 1-5           | 30    | 120-277V | 0-10V<br>ELDOLED SOLOdrive | Down to<br>±0.1% | 8" x 8" x 4"<br>(203 x 203 x 101mm) | 118ft (36m)    | <b>4450-0550-030-UNV-SD10</b> <input type="checkbox"/> |

\* Wattage requirement for one (1) fixture (remote fixture only).

\*\* Calculated for 16AWG cable. Contact customer service for longer remote distance.

For ILBXS05-LC • 5.5W\* • 400mA



| Min-max units         | Watts | Voltage  | Dimming protocol           | Dimming range    | Connection box dimensions            | Max distance** | Connection box                                                          |
|-----------------------|-------|----------|----------------------------|------------------|--------------------------------------|----------------|-------------------------------------------------------------------------|
| 1-3                   | 22    | 120-277V | 0-10V<br>ELDOLED ECOdrive  | Down to<br>±1%   | 8" x 8" x 4"<br>(203 x 203 x 101mm)  | 118ft (36m)    | <b>4450-0400-022-UNV-ED10</b> <input type="checkbox"/>                  |
| 1-3                   | 22    | 120-277V | 0-10V<br>ELDOLED SOLOdrive | Down to<br>±0.1% | 8" x 8" x 4"<br>(203 x 203 x 101mm)  | 118ft (36m)    | <b>4450-0400-022-UNV-SD10</b> <input type="checkbox"/>                  |
| 1-12<br>3 per channel | 91    | 120-277V | 0-10V<br>ELDOLED SOLOdrive | Down to<br>±0.1% | 10" x 8" x 4"<br>(254 x 203 x 101mm) | 118ft (36m)    | <b>4448-0400-091-UNV-SD10<br/>(4 channels)</b> <input type="checkbox"/> |

\* Wattage requirement for one (1) fixture (remote fixture only).

\*\* Calculated for 16AWG cable. Contact customer service for longer remote distance.

## REMOTE LED DRIVER OPTIONS (TO BE ORDERED SEPARATELY)

For ILBXS10-LC • 9W\* • 330mA



| Min-max units        | Watts | Voltage  | Dimming protocol           | Dimming range    | Connection box dimensions            | Max distance** | Connection box                                                          |
|----------------------|-------|----------|----------------------------|------------------|--------------------------------------|----------------|-------------------------------------------------------------------------|
| 1                    | 18    | 120-277V | 0-10V<br>ELDOLED ECOdrive  | Down to<br>±1%   | 8" x 8" x 4"<br>(203 x 203 x 101mm)  | 118ft (36m)    | <b>4450-0330-018-UNV-ED10</b> <input type="checkbox"/>                  |
| 1                    | 18    | 120-277V | 0-10V<br>ELDOLED SOLOdrive | Down to<br>±0.1% | 8" x 8" x 4"<br>(203 x 203 x 101mm)  | 118ft (36m)    | <b>4450-0330-018-UNV-SD10</b> <input type="checkbox"/>                  |
| 1-4<br>1 per channel | 75    | 120-277V | 0-10V<br>ELDOLED SOLOdrive | Down to<br>±0.1% | 10" x 8" x 4"<br>(254 x 203 x 101mm) | 118ft (36m)    | <b>4448-0330-075-UNV-SD10<br/>(4 channels)</b> <input type="checkbox"/> |

\* Wattage requirement for one (1) fixture (remote fixture only).

\*\* Calculated for 16AWG cable. Contact customer service for longer remote distance.

For ILBXS15-LC • 12.7W\* • 330mA



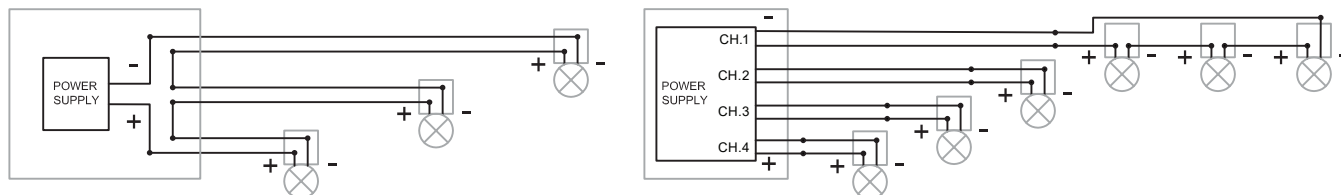
| Min-max units        | Watts | Voltage  | Dimming protocol           | Dimming range    | Connection box dimensions            | Max distance** | Connection box                                                          |
|----------------------|-------|----------|----------------------------|------------------|--------------------------------------|----------------|-------------------------------------------------------------------------|
| 1                    | 18    | 120-277V | 0-10V<br>ELDOLED ECOdrive  | Down to<br>±1%   | 8" x 8" x 4"<br>(203 x 203 x 101mm)  | 118ft (36m)    | <b>4450-0330-018-UNV-ED10</b> <input type="checkbox"/>                  |
| 1                    | 18    | 120-277V | 0-10V<br>ELDOLED SOLOdrive | Down to<br>±0.1% | 8" x 8" x 4"<br>(203 x 203 x 101mm)  | 118ft (36m)    | <b>4450-0330-018-UNV-SD10</b> <input type="checkbox"/>                  |
| 1-4<br>1 per channel | 75    | 120-277V | 0-10V<br>ELDOLED SOLOdrive | Down to<br>±0.1% | 10" x 8" x 4"<br>(254 x 203 x 101mm) | 118ft (36m)    | <b>4448-0330-075-UNV-SD10<br/>(4 channels)</b> <input type="checkbox"/> |

\* Wattage requirement for one (1) fixture (remote fixture only).

\*\* Calculated for 16AWG cable. Contact customer service for longer remote distance.

## WIRING DIAGRAM

\*Multiple luminaires must be connected in series (home run or fixture chain)



## INSTALLATION

### Remodel (RF)

Versatile fixture for new or existing ceiling structure. Suitable for insulated or non-insulated ceiling assemblies, like sheetrock, or paneling. Fixture is ready for remodeling installation. Trimless frame kit and fixture can be shipped separately. Installation from below.  
**(Power supply is not accessible from luminaire opening)**

#### Ceiling thickness:

Trim: 1/8" to 1 1/8" (3mm - 29mm)  
Trimless: 5/8" (16mm)

#### Cut-out trim:

ILBXS03: 1" x 2 3/8" (24 x 60mm)  
ILBXS05: 1" x 3 3/4" (24 x 95mm)  
ILBXS10: 1" x 7 3/8" (24 x 186mm)  
ILBXS15: 1" x 10 5/8" (24 x 276mm)



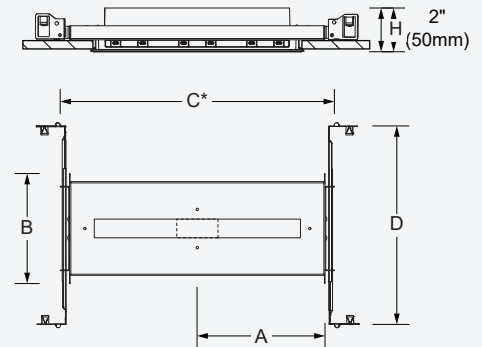
| Model   | Trimless frame | Cut-out dimensions            | Clearance |
|---------|----------------|-------------------------------|-----------|
| ILBXS03 | TK-LBXS03TL-RF | 1 1/8" x 2 3/8" (29 x 60mm)   | 2" (50mm) |
| ILBXS05 | TK-LBXS05TL-RF | 1 1/8" x 3 3/4" (29 x 95mm)   |           |
| ILBXS10 | TK-LBXS10TL-RF | 1 1/8" x 7 1/4" (29 x 184mm)  |           |
| ILBXS15 | TK-LBXS15TL-RF | 1 1/8" x 10 3/4" (29 x 274mm) |           |

### New construction with plaster frame (NC)

Plaster frame with hanger bars system to be installed during rough-in phase. Suitable for insulated or non-insulated new construction ceiling assemblies, like sheetrock, acoustic tiles, or paneling. Plaster frame and fixture can be shipped separately.  
**(Power supply is not accessible from luminaire opening)**

#### Ceiling thickness:

Trim: 1/8" to 1 1/8" (3mm - 29mm)  
Trimless: 5/8" (16mm)



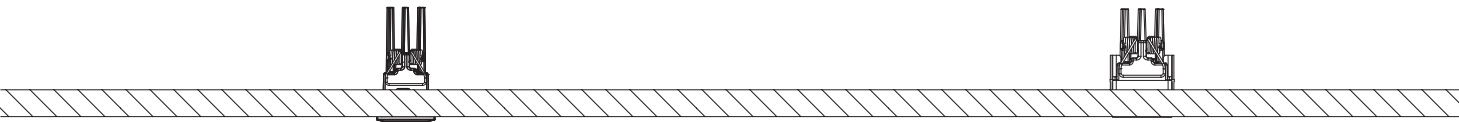
\*Provide a minimum of 1 1/8" (46mm) on each side for the hanger bar fixations

| Model   | Plaster frame  | Cut-out dimensions      | Cut-out position (A) | Overall dimensions (BxC)      | Hanger bars (D)               | Clearance |
|---------|----------------|-------------------------|----------------------|-------------------------------|-------------------------------|-----------|
| ILBXS03 | BN-LBXS03TR-NC | 1" x 2⅝" (24 x 60mm)    | 2½" (64mm)           | 5" x 6"<br>(127mm x 152mm)    | 9" to 15¼"<br>(229 to 387mm)  | 2" (50mm) |
|         | BN-LBXS03TL-NC | 1⅝" x 2⅜" (29 x 60mm)   |                      |                               |                               |           |
| ILBXS05 | BN-LBXS05TR-NC | 1" x 3¾" (24 x 95mm)    | 3⅝" (86mm)           | 6¾" x 6⅝"<br>(172mm x 160mm)  |                               |           |
|         | BN-LBXS05TL-NC | 1⅝" x 3¾" (29 x 95mm)   |                      |                               |                               |           |
| ILBXS10 | BN-LBXS10TR-NC | 1" x 7⅞" (24 x 186mm)   | 5" (127mm)           | 10" x 5⅞"<br>(254mm x 149mm)  | 14¼" to 26"<br>(362 to 660mm) |           |
|         | BN-LBXS10TL-NC | 1⅝" x 7¼" (29 x 184mm)  |                      |                               |                               |           |
| ILBXS15 | BN-LBXS15TR-NC | 1" x 10⅞" (24 x 276mm)  | 6⅞" (173mm)          | 13¾" x 5⅞"<br>(346mm x 149mm) |                               |           |
|         | BN-LBXS15TL-NC | 1⅝" x 10¾" (29 x 274mm) |                      |                               |                               |           |

**DIMENSIONS**

**TRIM MODELS**

**TRIMLESS MODELS**

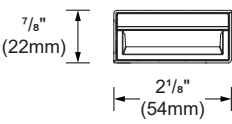
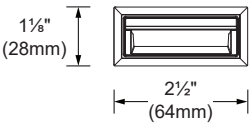


**FRONT VIEW**

**FRONT VIEW**

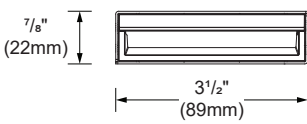
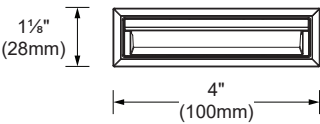
**ILBXS03**

**ILBXS03**



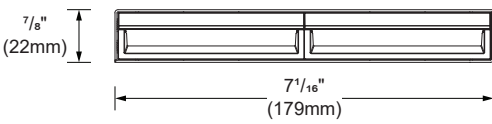
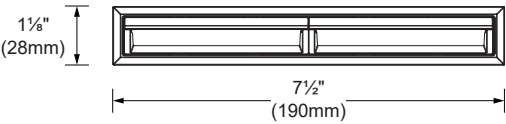
**ILBXS05**

**ILBXS05**



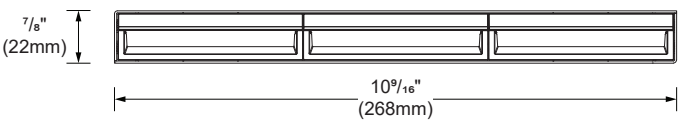
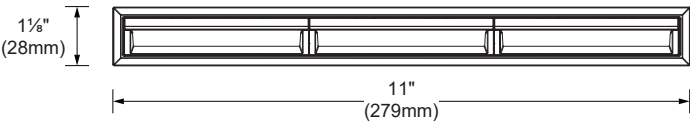
**ILBXS10**

**ILBXS10**



**ILBXS15**

**ILBXS15**



**BOTTOM VIEW**

**BOTTOM VIEW**

## LED COLOR FIDELITY DATA

| CCT   | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | Rf | Rg  | Melanopic ratio |
|-------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|----|-----|-----------------|
| 2700K | 94 | 94 | 91 | 93 | 93 | 92 | 93 | 88 | 70 | 84  | 94  | 82  | 94  | 94  | 92  | 88 | 104 | 0.456           |
| 3000K | 97 | 96 | 93 | 94 | 96 | 94 | 95 | 92 | 82 | 89  | 94  | 86  | 97  | 95  | 96  | 90 | 104 | 0.538           |
| 3500K | 99 | 99 | 98 | 98 | 98 | 97 | 97 | 96 | 93 | 99  | 99  | 83  | 99  | 98  | 98  | 92 | 99  | 0.666           |
| 4000K | 94 | 94 | 93 | 94 | 92 | 91 | 97 | 91 | 74 | 85  | 91  | 72  | 93  | 96  | 92  | 91 | 99  | 0.744           |

## PHOTOMETRIC DATA

Photometric performance is measured in accordance with IESNA LM-79.  
Visit [iguzzini.com](http://iguzzini.com) for complete photometric data.

### ILBXS03

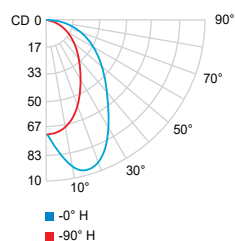


WW WL

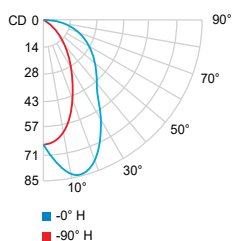
| LOAD (W) | CCT (K) | CRI | OPTIC                                        | LUMENS (lm) | EFFICACY (lm / w) | MAX CANDELA (cd) | MODELS            |
|----------|---------|-----|----------------------------------------------|-------------|-------------------|------------------|-------------------|
| 5W       | 3000K   | 90  | Wall washer                                  | 120         | 24                | 95               | ILBXS03-LC-930-WW |
|          |         |     | Wall washer LGC (longitudinal glare control) | 100         | 20                | 80               | ILBXS03-LC-930-WL |

\*USE MULTIPLIER TABLE BELOW FOR OTHER CCT AND CRI OUTPUT DATA

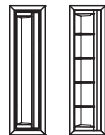
Wall washer (3000K, 90 CRI)



Wall washer LGC (3000K, 90 CRI)



### ILBXS05

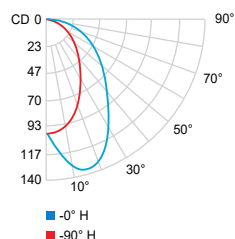


WW WL

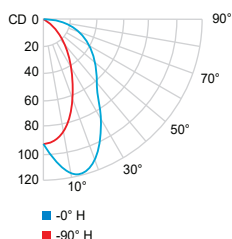
| LOAD (W) | CCT (K) | CRI | OPTIC                                        | LUMENS (lm) | EFFICACY (lm / w) | MAX CANDELA (cd) | MODELS            |
|----------|---------|-----|----------------------------------------------|-------------|-------------------|------------------|-------------------|
| 5.5W     | 3000K   | 90  | Wall washer                                  | 170         | 30                | 130              | ILBXS05-LC-930-WW |
|          |         |     | Wall washer LGC (longitudinal glare control) | 145         | 26                | 110              | ILBXS05-LC-930-WL |

\*USE MULTIPLIER TABLE BELOW FOR OTHER CCT AND CRI OUTPUT DATA

Wall washer (3000K, 90 CRI)



Wall washer LGC (3000K, 90 CRI)

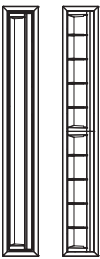


|                   |             |          |          |             |
|-------------------|-------------|----------|----------|-------------|
| CCT options       | 2700K       | 3000K    | 3500K    | 4000K       |
| CRI options       | 90CRI       | 90CRI    | 90CRI    | 90CRI       |
| <b>Multiplier</b> | <b>0.94</b> | <b>1</b> | <b>1</b> | <b>1.12</b> |

PHOTOMETRIC DATA

Photometric performance is measured in accordance with IESNA LM-79.  
Visit [iguzzini.com](http://iguzzini.com) for complete photometric data.

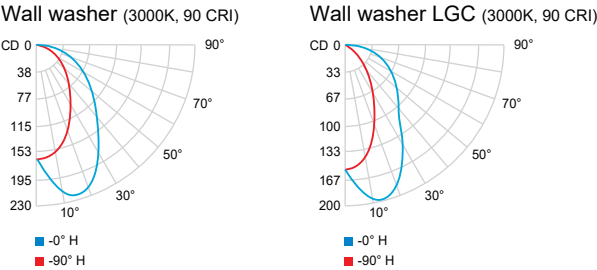
ILBXS10



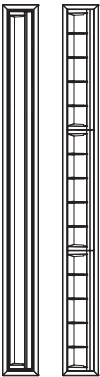
WW WL

| LOAD<br>(W) | CCT<br>(K) | CRI | OPTIC                                           | LUMENS<br>(lm) | EFFICACY<br>(lm / w) | MAX CANDELA<br>(cd) | MODELS            |
|-------------|------------|-----|-------------------------------------------------|----------------|----------------------|---------------------|-------------------|
| 9W          | 3000K      | 90  | Wall washer                                     | 300            | 33                   | 225                 | ILBXS10-LC-930-WW |
|             |            |     | Wall washer LGC<br>(longitudinal glare control) | 250            | 27                   | 190                 | ILBXS10-LC-930-WL |

\*USE MULTIPLIER TABLE BELOW FOR OTHER CCT AND CRI OUTPUT DATA



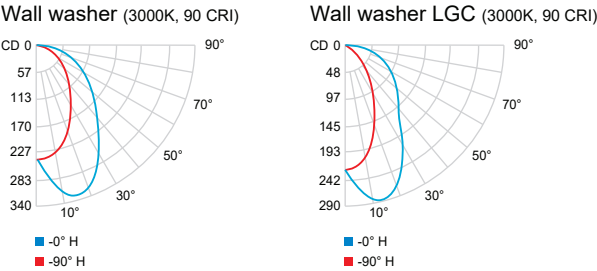
ILBXS15



WW WL

| LOAD<br>(W) | CCT<br>(K) | CRI | OPTIC                                           | LUMENS<br>(lm) | EFFICACY<br>(lm / w) | MAX CANDELA<br>(cd) | MODELS            |
|-------------|------------|-----|-------------------------------------------------|----------------|----------------------|---------------------|-------------------|
| 13W         | 3000K      | 90  | Wall washer                                     | 450            | 34                   | 335                 | ILBXS15-LC-930-WW |
|             |            |     | Wall washer LGC<br>(longitudinal glare control) | 380            | 29                   | 280                 | ILBXS15-LC-930-WL |

\*USE MULTIPLIER TABLE BELOW FOR OTHER CCT AND CRI OUTPUT DATA



|             |       |       |       |       |
|-------------|-------|-------|-------|-------|
| CCT options | 2700K | 3000K | 3500K | 4000K |
| CRI options | 90CRI | 90CRI | 90CRI | 90CRI |
| Multiplier  | 0.94  | 1     | 1     | 1.12  |