




Only 28 mm wide, Laser blade XS is an ultracompact architectural downlight, perfect for retail and hospitality environments. The light is aimed and maximised by a micro optical assembly that uses our patented Opti Beam technology. The light source is also invisible, which guarantees excellent visual comfort.

## Luminaire characteristic:

**Power input:** 13.5W to 34.5W (system wattage)  
**Lumens:** 695lm to 2241lm (for 3000K, 90CRI)  
**Luminaire efficacy:** Up to 64lm/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) (LM79).   |
| <b>Optic:</b>             | Low luminance Opti Beam technology with medium, flood and wide flood distribution.  |
| <b>Material:</b>          | Body: Die-cast Zamak (zinc/aluminum alloy)<br>Reflector: Metalized thermoplastic<br>Baffle: Polycarbonate   |
| <b>Mounting:</b>          | New construction with housing for insulated ceiling and chicago plenum applications (page 3).   |
| <b>Electrical:</b>        | Integral high efficiency LED driver, rated at 50 000 hours. 120V or 120-277V.   |
| <b>Dimming:</b>           | 0-10V dimming (120-277V), down to 5%.<br>Leading edge (TRIAC) and trailing edge (ELV) dimming (120V only), down to 5%.<br>Dali dimming (120V only), down to 1%. |
| <b>Finish:</b>            | Black and white (RAL9010). Grey (RAL9006) available on request (page 2).  |
| <b>Weight:</b>            | LBXS05: 1.06lbs (0.48kg)<br>LBXS10: 1.21lbs (0.55kg)<br>LBXS15: 1.94lbs (0.88kg)  |
| <b>Warranty:</b>          | 5 year limited warranty.  |
| <b>Rating:</b>            | IP20  |
| <b>Certification:</b>     |  cULus listed for damp location.   |

## ORDERING INFO

**ILBXS** - - -  
FIXTURE

**BI - LBXS** - - **UNV**  
MOUNTING

### MODEL

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

### MOUNTING

☐ **TR** - Trim ☐ **TL** - Trimless

### INSTALLATION

☐ **IC** - Insulated ceiling housing ☐ **CP** - Chicago plenum housing

### LED

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

### OPTIC

☐ **MD** - Medium 24° ☐ **FL** - Flood 41° ☐ **WF** - Wide flood 58°

### VOLTAGE

☐ **120** - 120V ☐ **UNV** - 120-277V

### FINISH (trim finish / baffle finish)

|  | White trim                                       | Gray trim  | Black trim                                       | Trimless                                   |
|--|--|--|--|--|
|  <b>Black baffle</b> | <input type="checkbox"/> <b>01</b> - White/Black | <input type="checkbox"/> <b>10</b> - Gray/Black <sup>(1)</sup> | <input type="checkbox"/> <b>02</b> - Black/Black | <input type="checkbox"/> <b>02</b> - Black |
|  <b>White baffle</b> | <input type="checkbox"/> <b>31</b> - White/White |  |  | <input type="checkbox"/> <b>31</b> - White |

### DIMMING

☐ **D10** - 0-10V ☐ **DA** - Dali (120V only)<sup>(2)</sup> ☐ **LTE** - Leading and trailing edge (120V only)

<sup>(1)</sup> Available on request, contact customer service for more information.

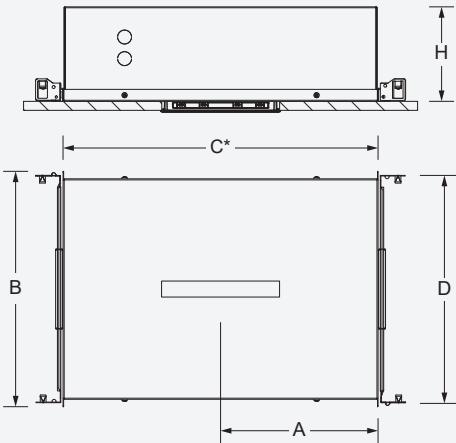
<sup>(2)</sup> Available with ten (10) and fifteen (15) models. Also available for the five (05) model with trim (TR) mounting.

INSTALLATION

New construction with housing suitable for insulated ceiling (IC) or chicago plenum (CP)

Housing with hanger bars system for new construction installations. Suitable for insulated ceiling or chicago plenum applications. Housing and fixture can be shipped separately.

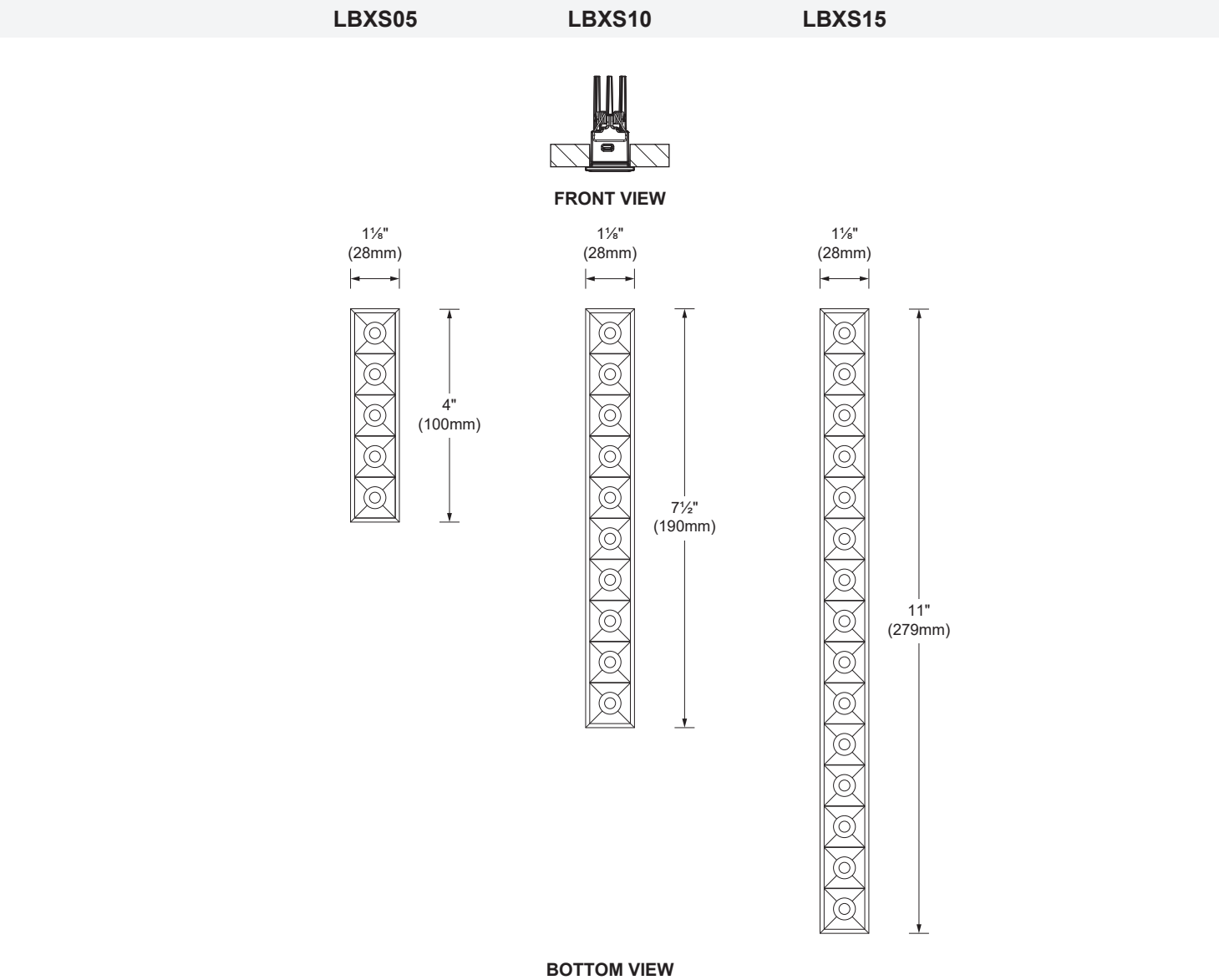
Ceiling thickness:  
Trim: 1/8" to 1 1/8" (3mm - 29mm)  
Trimless: 5/8" (16mm)



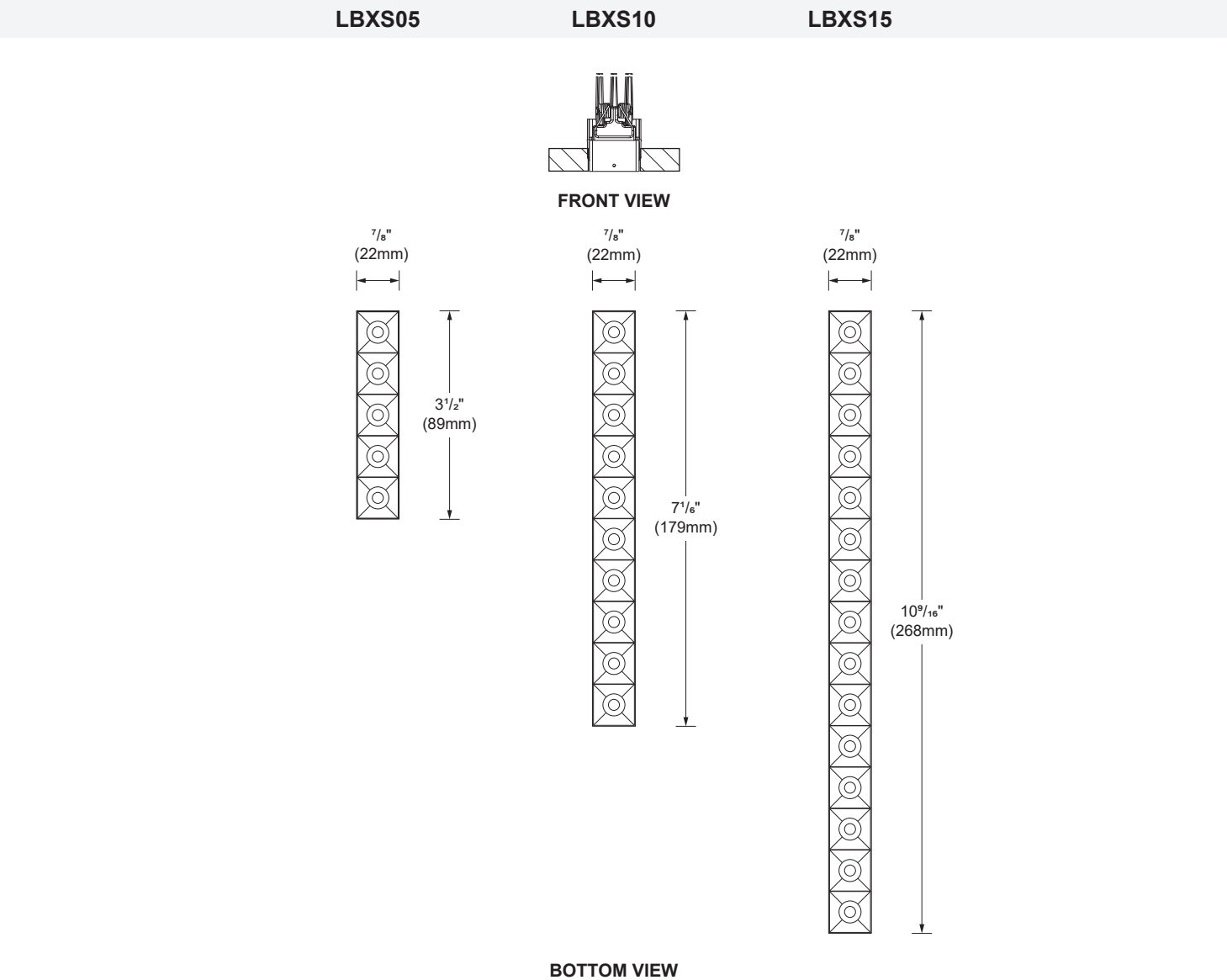
\*Provide a minimum of 1 1/8" (46mm) on each side for the hanger bar fixations

| Model  | Housing               | Cut-out dimensions            | Cut-out position (A) | Overall dimensions (BxC)              | Hanger bars (D)               | Clearance (H)  |
|--------|-----------------------|-------------------------------|----------------------|---------------------------------------|-------------------------------|----------------|
| LBXS05 | BI-LBXS05TR-IC/CP-UNV | 1" x 3 3/4" (24 x 95mm)       | 5" (125mm)           | 8 3/8" x 9 15/16" (212mm x 252mm)     | 9" to 15 1/4" (229 to 387mm)  | 4 5/8" (116mm) |
|        | BI-LBXS05TL-IC/CP-UNV | 1 1/8" x 3 3/4" (29 x 95mm)   |                      |                                       |                               |                |
| LBXS10 | BI-LBXS10TR-IC/CP-UNV | 1" x 7 7/8" (24 x 186mm)      | 10" (250mm)          | 13 15/16" x 19 15/16" (350mm x 500mm) | 14 1/4" to 26" (362 to 660mm) | 6" (150mm)     |
|        | BI-LBXS10TL-IC/CP-UNV | 1 1/8" x 7 1/4" (29 x 184mm)  |                      |                                       |                               |                |
| LBXS15 | BI-LBXS15TR-IC/CP-UNV | 1" x 10 7/8" (24 x 276mm)     | 10" (250mm)          | 13 15/16" x 19 15/16" (350mm x 500mm) | 14 1/4" to 26" (362 to 660mm) | 6" (150mm)     |
|        | BI-LBXS15TL-IC/CP-UNV | 1 1/8" x 10 3/4" (29 x 274mm) |                      |                                       |                               |                |

TRIM MODELS DIMENSIONS



TRIMLESS MODELS DIMENSIONS



## 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

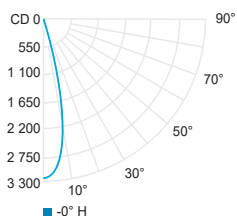
### ILBXS05



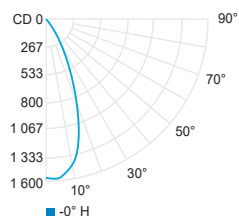
| CCT (K) | CRI | LOAD (W) | OPTIC          | LUMENS (lm) | EFFICACY (lm / W) | MAX CANDELA (cd) | MODELS         |
|---------|-----|----------|----------------|-------------|-------------------|------------------|----------------|
| 3000K   | 90  | 13.5W    | Medium 24°     | 695         | 51                | 3 212            | ILBXS05-930-MD |
|         |     |          | Flood 41°      | 730         | 54                | 1 500            | ILBXS05-930-FL |
|         |     |          | Wide flood 58° | 730         | 54                | 930              | ILBXS05-930-WF |

Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit [iguzzini.com/us](http://iguzzini.com/us) for complete photometric data.

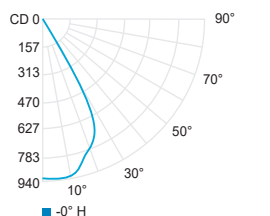
Medium 24° (3000K, 90CRI)



Flood 41° (3000K, 90CRI)



Wide flood 58° (3000K, 90CRI)



| CCT options | 2700K | 3000K | 3500K | 4000K |
|-------------|-------|-------|-------|-------|
| CRI options | 90CRI | 90CRI | 90CRI | 90CRI |
| Multiplier  | 0.94  | 1     | 1     | 1.19  |

**PHOTOMETRIC DATA**

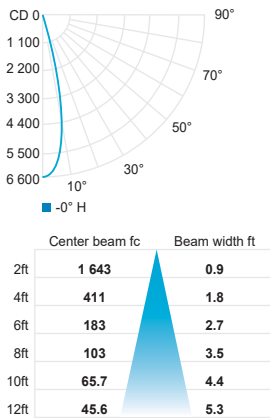
**ILBXS10**



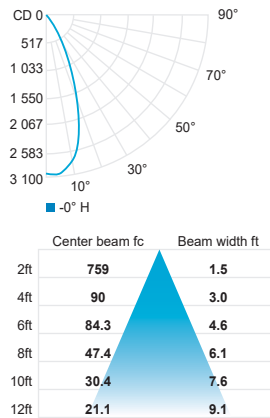
| CCT (K) | CRI | LOAD (W) | OPTIC          | LUMENS (lm) | EFFICACY (lm / W) | MAX CANDELA (cd) | MODELS         |
|---------|-----|----------|----------------|-------------|-------------------|------------------|----------------|
| 3000K   | 90  | 23.8W    | Medium 24°     | 1 422       | 59                | 6 570            | ILBXS10-930-MD |
|         |     |          | Flood 41°      | 1 494       | 62                | 3 068            | ILBXS10-930-FL |
|         |     |          | Wide flood 58° | 1 494       | 62                | 1 904            | ILBXS10-930-WF |

Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit [iguzzini.com/us](http://iguzzini.com/us) for complete photometric data.

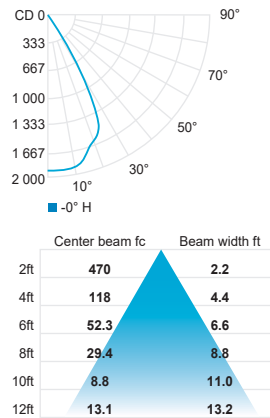
Medium 24° (3000K, 90CRI)



Flood 41° (3000K, 90CRI)



Wide flood 58° (3000K, 90CRI)



|                   |             |          |          |             |
|-------------------|-------------|----------|----------|-------------|
| 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>1.19</b> |

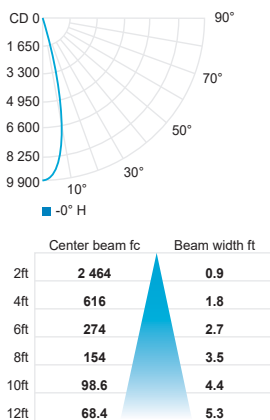
**ILBXS15**



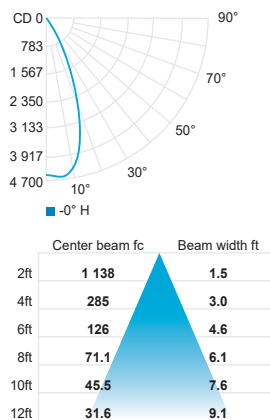
| CCT (K) | CRI | LOAD (W) | OPTIC          | LUMENS (lm) | EFFICACY (lm / W) | MAX CANDELA (cd) | MODELS         |
|---------|-----|----------|----------------|-------------|-------------------|------------------|----------------|
| 3000K   | 90  | 34.5W    | Medium 24°     | 2 133       | 61                | 9 855            | ILBXS15-930-MD |
|         |     |          | Flood 41°      | 2 241       | 64                | 4 603            | ILBXS15-930-FL |
|         |     |          | Wide flood 58° | 2 241       | 64                | 2 856            | ILBXS15-930-WF |

Use multiplier table for other CCT and CRI output data. Efficacy based on IESNA LM-79 test reports. Visit [iguzzini.com/us](http://iguzzini.com/us) for complete photometric data.

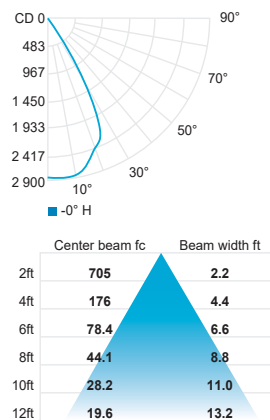
Medium 24° (3000K, 90CRI)



Flood 41° (3000K, 90CRI)



Wide flood 58° (3000K, 90CRI)



|                   |             |          |          |             |
|-------------------|-------------|----------|----------|-------------|
| 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>1.20</b> |