

# LUMEN WARM



**EROS COMBO RECESSED  
LWERSC-RCD**



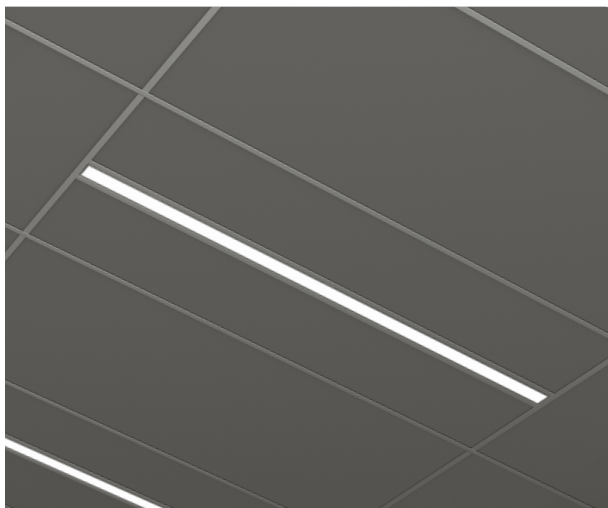
BROCHURE



INSTALLATION  
TRIMLESS



INSTALLATION  
T-GRID



## Eros Combo Recessed

The Eros conception allows you to create long linear runs to appropriately light up the space it is installed in. Custom lengths and patterns are also a possibility and with its 90° lit corners, darkness will be a thing of the past



## Performance

### Direct

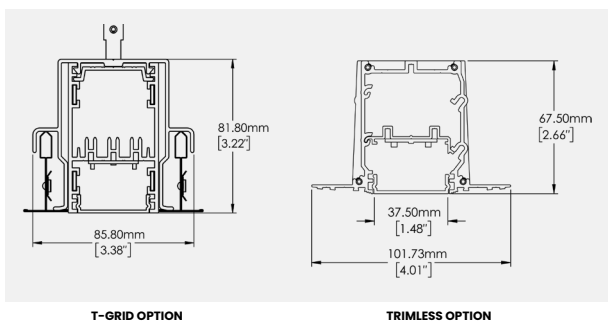
| Lm   | Lens Type                    | w/ft | Lm/W |
|------|------------------------------|------|------|
| 300  | Lambertian                   | 2.4  | 125  |
| 750  |                              | 6.1  | 122  |
| 1000 |                              | 8.8  | 114  |
| 750  | Multicell 12° Module         | 5.1  | 147  |
| 750  | Multicell 24° Module         | 5.1  | 147  |
| 750  | Multicell 38° Module         | 5.1  | 147  |
| 750  | Multicell 50° Module         | 5.1  | 147  |
| 750  | Multicell 35°X70° Module     | 5.1  | 147  |
| 750  | Multicell Wall Washer Module | 5.1  | 147  |

Please note this information is based on a 1ft / 4000K fixture.

## Highlights

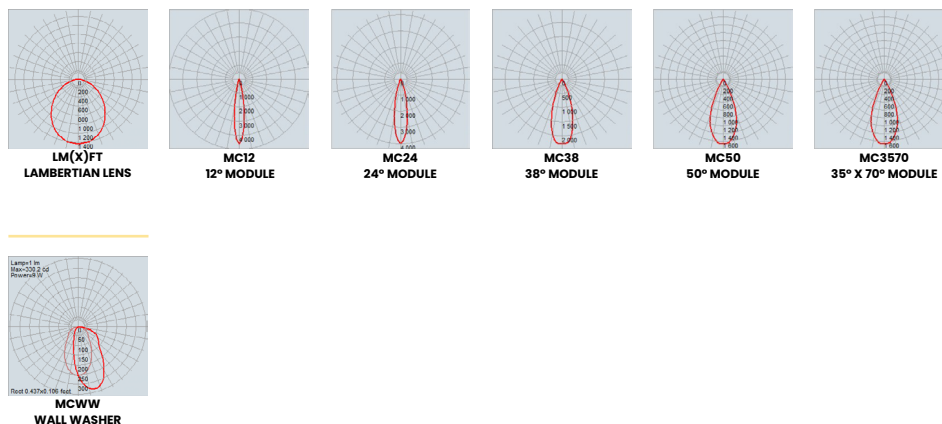
|                           |                                                             |
|---------------------------|-------------------------------------------------------------|
| <b>Lumen Output</b>       | Up to 1100lm/ft<br>Deliver lumen with lambertian lens.      |
| <b>Efficiency</b>         | Up to 145lm/W                                               |
| <b>Colour Temperature</b> | 2700K, 3000K, 3500K, 4000K                                  |
| <b>CRI</b>                | 90                                                          |
| <b>Input Voltage</b>      | Integral driver, 100-277VAC                                 |
| <b>Dimming Options</b>    | 0-10V (Down to 1%), Lutron Ecosystem, Dim to Off            |
| <b>Lead In</b>            | Up to 80ft maximum run per power feed (15A /1650W maximum). |

## Dimensions

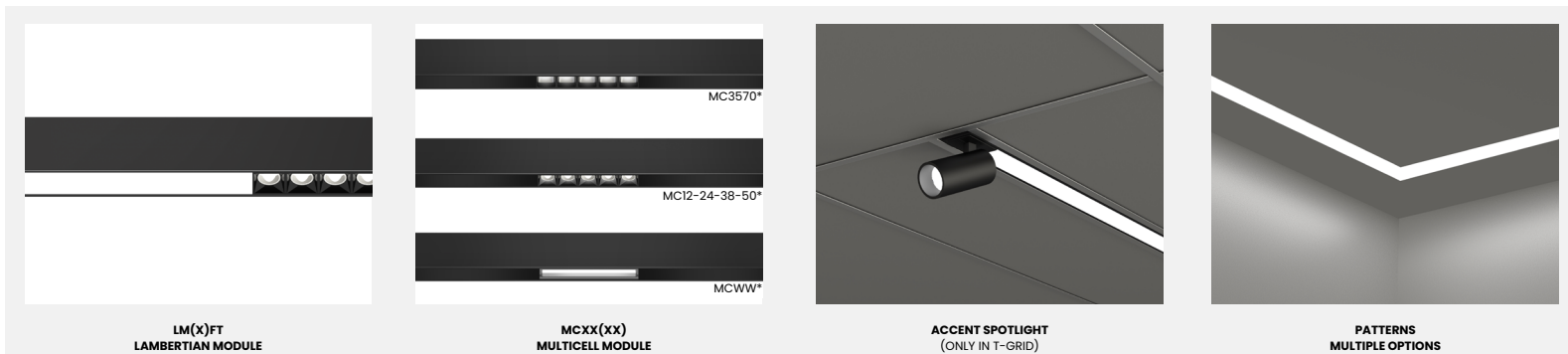


## Distribution

### Direct



## Configuration Example



LUMEN  
WARM

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LAST UPDATE  
23/10/2024

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|                   |                       |          |                  |           |                   |
|-------------------|-----------------------|----------|------------------|-----------|-------------------|
| Ordering Sections | Technical Information | Controls | Mounting Options | Emergency | Photometrics Data |
|-------------------|-----------------------|----------|------------------|-----------|-------------------|

# Eros Combo Recessed

## Ordering Guide

Ex : LWERSC-RCD-48-NA-MBK-LM(5)FT-P300

| Product Code | Length                                                                                                                                           | Pattern Type                                                                                                                                                            | Pattern Dimensions                                                             | Exterior Finish                                     | Direct Linear Modules                                                                                  | Direct Linear Modules Lumen Package                                                                                          |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| LWERSC-RCD   |                                                                                                                                                  |                                                                                                                                                                         |                                                                                |                                                     |                                                                                                        |                                                                                                                              |
|              | 48 48in<br>60 60in<br>72 72in<br>84 84in<br>96 96in<br>144 144in<br>CUCR Custom Continuous Run<br>CUSU Custom Single Unit<br>CUPA Custom Pattern | PAL L-Shaped Pattern<br>PAS Square Shaped Pattern<br>PAX X -Shaped Pattern<br>PAU U -Shaped Pattern<br>PAT T -Shaped Pattern<br>CU Custom Shaped Pattern (1)<br>NA None | A X B<br>A X B<br>A1+A2 X B<br>A X B X C<br>A1+A2 X B1+B2<br>A X B1+B2 X C1+C2 | MBK Matte Black<br>MWH Matte White<br>CU Custom (2) | LM(X)FT High Efficiency Lambertian Lens Module (3)<br>NA None                                          | P300 300lm/ft<br>P400 400lm/ft<br>P600 600lm/ft<br>P700 700lm/ft<br>P900 900lm/ft<br>P1100 1100lm/ft<br>CU Custom Output (4) |
|              | *Refer to the "Technical Information" section for further details.*                                                                              | (1) A drawing will be required for custom shapes. Refer to next page for more details on available shapes.                                                              |                                                                                | (2) Specify RALK7 code.                             | (3) LM(total length required)FT<br>Ex: LM12FT<br>Provide sketch/drawing for modules positioning (P.6). | (4) Consult factory for more information.                                                                                    |

Ex : MC12(2)-P500-DCH-27K-TRM-NA

| Direct Multicell Modules (5)                                                                                                                                                                                                                       | Direct Multicell Modules Output (5)                                                   | Multicell Finish                                                                                                                 | Direct Colour Temperature                                                              | Mounting                                                     | Optional Accent Spotlights (7)                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MC12(X) 12°<br>MC24 (X) 24°<br>MC38 (X) 38°<br>MC50(X) 50°<br>MC3570(X) 35° x 70°<br>MCWW(X) Wall Washer<br>NA None                                                                                                                                | P500 500lm/Module<br>P750 750lm/Module<br>P1000 1000lm/Module<br>CU Custom<br>NA None | DCH Dark Chrome<br>MBK Matte Black<br>MWH Matte White<br>CU Custom<br>NA None                                                    | 27K 2700K<br>30K 3000K<br>35K 3500K<br>40K 4000K<br>ADJ Tunable White<br>CU Custom (6) | 916 9/16 T-Bar<br>1516 15/16 T-Bar<br>TRM Drywall Mud Flange | 1BGL Single Unit, Power Feed Side<br>1BGO Single Unit, Opposite Side<br>2BGE Two Units at Extremities<br>CUBG Custom Positioning / Custom Quantity<br>NA None |
| (5) MC12(add number of module)<br>Ex: MC12(1)<br>If more than one MC12(4) + MC24(4)<br>Provide sketch/drawing for modules positioning (P.6)<br>Unfilled space will be filled with blank cover, total of modules length cannot exceed total length. |                                                                                       | *The Multicell Module (MC) option is required to select this option*<br>*Wall washer multicell is only available in Dark Chrome* | (6) Consult factory for more information.                                              |                                                              | *Only available in T-Grid option*<br>(7) See P.5 for more ordering details and sketch/drawing for spotlight placement.                                        |

Ex : UNI-X10V-CCEA-1C-NA-AWNR

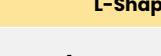
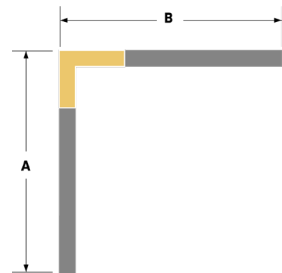
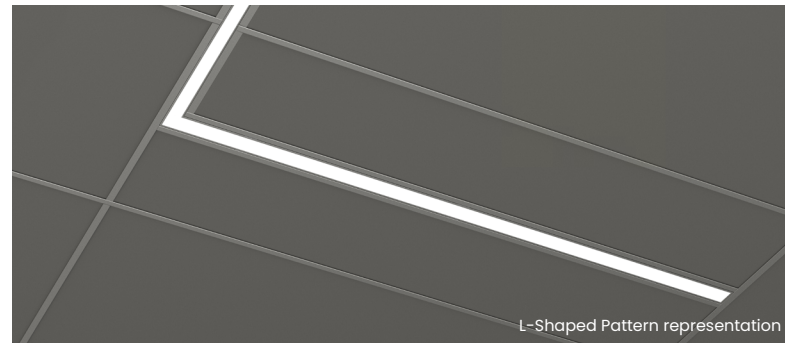
| Voltage                                | Driver                                                                                                              | Additional Certification                                       | Circuits (12)                                          | Emergency (13)                                                                                                                                                   | Controls (14)                                                                                   |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| UNI Universal 100-277V<br>347 347V (8) | X10V 0-10V Driver 1%<br>Z10V 0-10V Driver Dim to Off<br>DA2 Dali 2.0 (9)<br>LTI Lutron Hi-Lume 1%<br>OTH Other (10) | CCEA Chicago Plenum Certified (11)<br>NA None                  | 1C One Circuit<br>2C Two Circuits<br>CU Custom         | B6W Integral Battery Pack 6W<br>B10W Integral Battery Pack 10W<br>NA None                                                                                        | AWNR Athena Wireless Node RF Only<br>AWNS Athena Wireless Node RF + Occupancy Sensor<br>NA None |
| (8) Requires 0-10V driver.             | (9) Dali driver commissioning is required.<br>(10) Consult factory for more information.                            | (11) Refer to the "Mounting Options" section for more details. | (12) Refer to the "Controls" section for more details. | (13) Provide a sketch/drawing for the positioning of the emergency section. Refer to the "Emergency" section for further details.<br>(Not compatible with 347V). | * Only one Node per Circuit.*<br>(14) Athena not compatible with 347V.                          |

## Notes

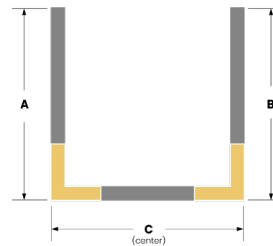
## Patterns

## Base Information

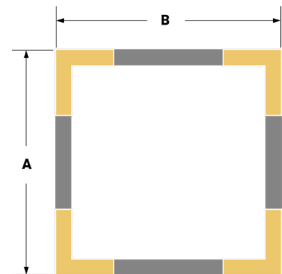
|             |                                                                                                                                                                                                                 |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | The Eros family offers 3 standard connector shapes for different pattern configurations. Every connector is welded in factory and is fully illuminated, ensuring consistent lighting for seamless installation. |
| Dimensions  | L-Shaped Connector : 7.5in x 7.5in / 190.5mm X 190.5mm                                                                                                                                                          |
|             | T-Shaped Connector : 7.5in x 13.75in / 190.5mm X 332mm                                                                                                                                                          |
|             | X-Shaped Connector: 13.75in x 13.75in / 332mm X 332mm                                                                                                                                                           |



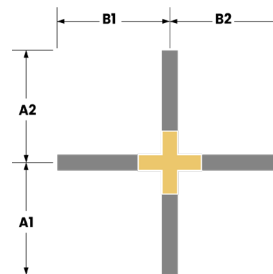
The diagram illustrates an L-shaped pattern. It consists of a yellow rectangular header at the top with the text "L-Shaped Pattern". Below this header is a light gray rectangular area divided into two equal-width sections. The left section is labeled "A" and the right section is labeled "B". Below these two sections is a single light gray rectangular area labeled "36in Minimum length". A vertical line extends from the bottom center of the "36in Minimum length" section down to a dark gray rectangular footer at the bottom, which contains the formula  $PAL=A \times B$ .



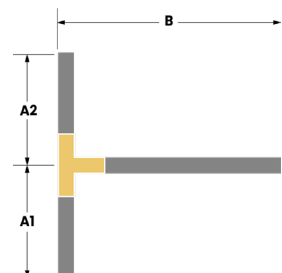
| U-Shaped Pattern       |   |                        |
|------------------------|---|------------------------|
| A                      | B | C                      |
| 36in<br>Minimum length |   | 42in<br>Minimum length |
|                        |   |                        |
| PAU = A X B X C        |   |                        |



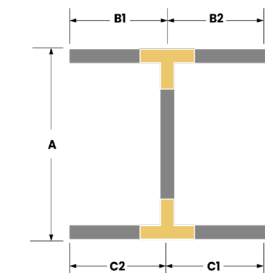
| Square Shaped Pattern |   |
|-----------------------|---|
| A                     | B |
| 42in Minimum length   |   |
| <b>PAS = A X B</b>    |   |



| X-Shaped Pattern               |    |    |    |
|--------------------------------|----|----|----|
| A1                             | A2 | B1 | B2 |
| 36in Minimum length            |    |    |    |
|                                |    |    |    |
| <b>PAX = A1 + A2 X B1 + B2</b> |    |    |    |



| T-Shaped Pattern         |    |                        |
|--------------------------|----|------------------------|
| A1                       | A2 | B                      |
| 42in<br>Minimum length   |    | 36in<br>Minimum length |
| $PAT = A1 + A2 \times B$ |    |                        |



| H-Shaped Pattern                        |                        |    |    |    |
|-----------------------------------------|------------------------|----|----|----|
| A                                       | B1                     | B2 | C1 | C2 |
| 42in<br>Minimum<br>length               | 36in<br>Minimum length |    |    |    |
|                                         |                        |    |    |    |
| $PAH = A \times B1 + B2 \times C1 + C2$ |                        |    |    |    |

## Workshop Drawing

### Use grid to draw Custom Pattern

[illegible]

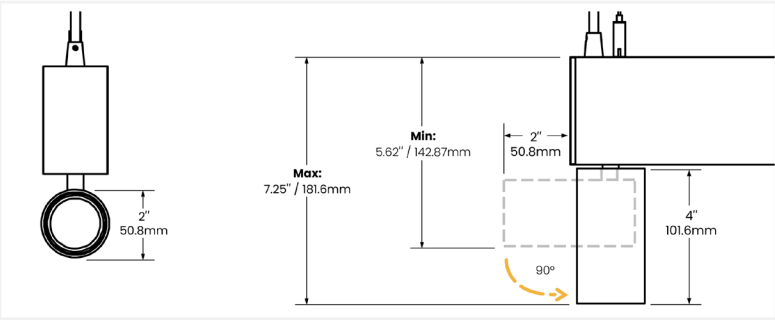
Accent Spotlights

Ordering Options

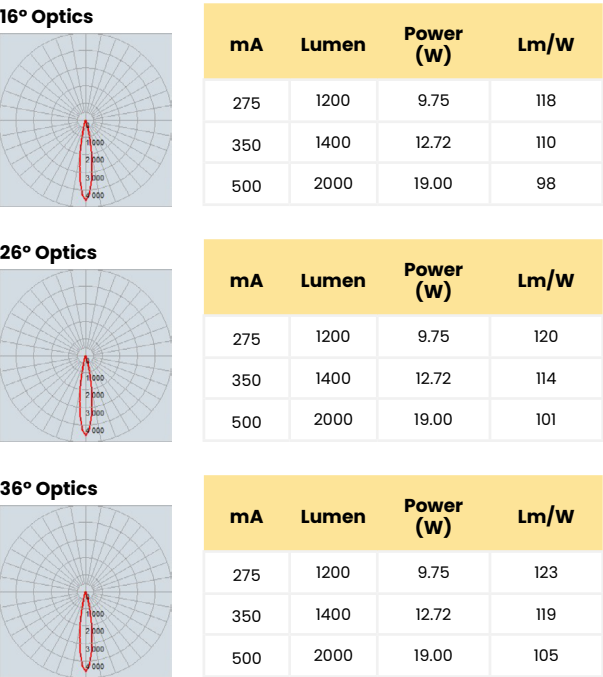
Example : 1BGL-MBK-P400-27K-16-NA-IC

| Product Code                             | Spotlight Code                                                | Finish                       | Lumen Package | Colour Temperature                       | Optics | Accessories      | Circuit |       |    |                                                                          |      |                      |    |                  |
|------------------------------------------|---------------------------------------------------------------|------------------------------|---------------|------------------------------------------|--------|------------------|---------|-------|----|--------------------------------------------------------------------------|------|----------------------|----|------------------|
| LWERSC                                   |                                                               |                              |               |                                          |        |                  |         |       |    |                                                                          |      |                      |    |                  |
| *ONLY AVAILABLE IN T-GRID CONFIGURATION* |                                                               |                              |               |                                          |        |                  |         |       |    |                                                                          |      |                      |    |                  |
|                                          | 1BGL                                                          | Single Unit, Power Feed Side | MBK           | Matte Black                              | P400   | 400lm/ Spotlight | 27K     | 2700K | 16 | 16°                                                                      | DIFF | Frosted Diffuser     | IC | Indirect Circuit |
|                                          | 1BGO                                                          | Single Unit, Opposite Side   |               |                                          |        |                  |         |       |    |                                                                          |      |                      |    |                  |
|                                          | 2BGE                                                          | Two Units at Extremities     | CUBG          | Custom Positioning / Custom Quantity (1) | 35K    | 3500K            | 36      | 36°   | NA | None                                                                     | SC   | Separate Circuit (2) |    |                  |
|                                          | NA                                                            | None                         |               |                                          |        |                  |         |       |    |                                                                          |      |                      | CU | Custom           |
|                                          | (1) Custom option requires a positioning or quantity drawing. |                              |               |                                          |        |                  |         |       |    | (2) Adds a circuit on the fixture, consult factory for more information. |      |                      |    |                  |

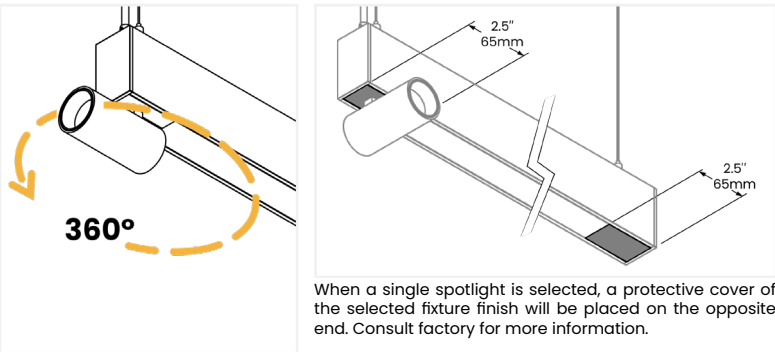
Dimensions



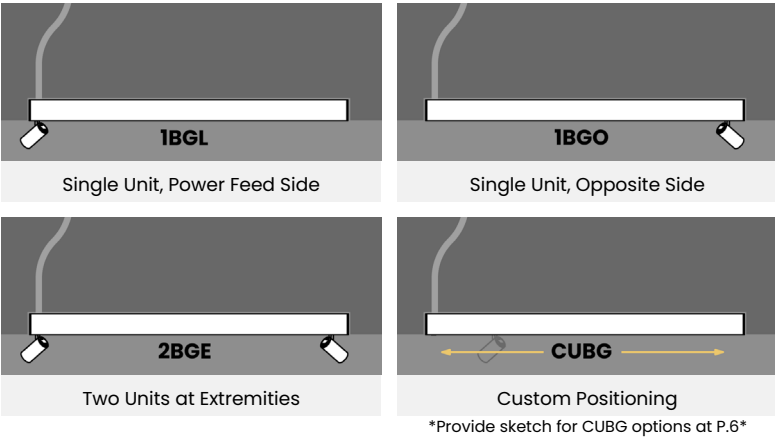
Performance



Features



Accent Spotlight Positioning



# Planning Grid

## Ordering Options

| Direct Fixture Modules Specification                             |                                                                                      |                                                    |                                                |              |          |       |
|------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------|--------------|----------|-------|
| Code Options                                                     | Details                                                                              | Increment                                          | Selection                                      | Total Length | Quantity | Notes |
| LM(X)FT                                                          | LM (Total length required) FT<br>Ex: LM12FT                                          | LED increment:<br>6in / 152.4mm                    | LM                                             | ft           |          |       |
| MC12(X)<br>MC24(X)<br>MC38(X)<br>MC50(X)<br>MC3570(X)<br>MCWW(X) | MC12(Add number of module)<br>Ex: MC12(2)<br>If more than one : MC12(4) +<br>MC24(4) | Multicell modules<br>Increment:<br>7.5in / 190.4mm | MC12<br>MC24<br>MC38<br>MC50<br>MC3570<br>MCWW |              |          |       |
| CUBG                                                             | Accent Spotlight                                                                     | Bracket dimension:<br>2.5in / 65mm                 | CUBG                                           |              |          |       |

## Workshop Drawing

Use grid to draw combination

Technical Information

Construction

|                                 |                                                    |
|---------------------------------|----------------------------------------------------|
| Aluminum Profile                | 100% Recycled Aluminum grade 6063-T5               |
| Endcap                          | Aluminum grade 6063-T5, Extruded and machined part |
| Brackets                        |                                                    |
| High Efficiency Lambertian Lens | Frosted Acrylic, Extruded part                     |
| Suspension Cable                | Stainless steel adjustable aircraft cable (T-Grid) |
| Joiner                          | 1060 Steel, 14 gauge                               |

Aluminum Profile Colour



MBK - Matte Black



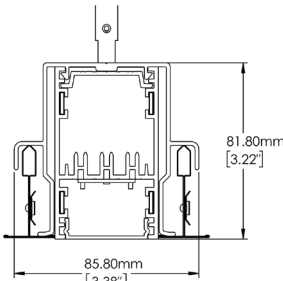
MWH - Matte White



CUSTOM RAL K7

CU - Specify RALK7 colour

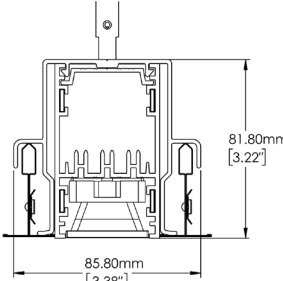
Dimensions



81.80mm [3.22"]

85.80mm [3.38"]

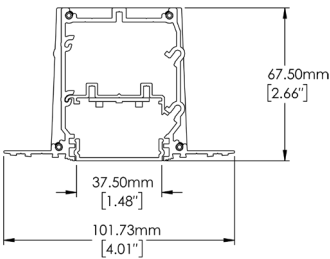
T-Grid Options Lambertian Lens



81.80mm [3.22"]

85.80mm [3.38"]

T-Grid Options Multicell Modules

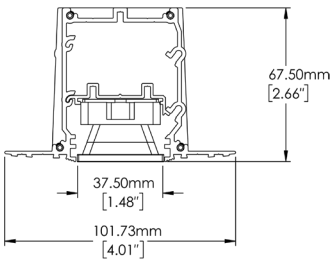


67.50mm [2.66"]

37.50mm [1.48"]

101.73mm [4.01"]

Trimless Options Lambertian Lens



67.50mm [2.66"]

37.50mm [1.48"]

101.73mm [4.01"]

Trimless Options Multicell Modules

Length Management



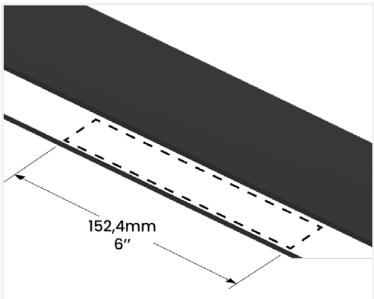
A

|   |                                                                                   |
|---|-----------------------------------------------------------------------------------|
| A | Minimum length for Eros is 4ft long.                                              |
|   | Eros more than <b>8ft</b> long Will have an additional cost for shipping purpose. |
|   | Maximum length for one fixture is <b>12ft</b> .                                   |
|   | Fixture over 12ft long will be split into sections.                               |

Module Management

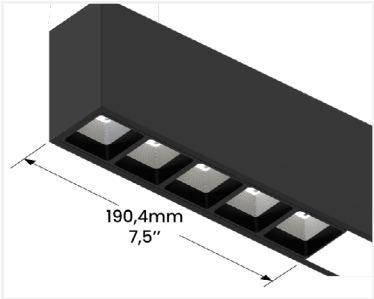
**LM -High Efficiency Lambertian Lens Module**

|            |                                                                                             |
|------------|---------------------------------------------------------------------------------------------|
| Dimensions | Maximum length for lens : 3657.6mm/144in<br>Minimum length for lens: 152.4mm/6in            |
| Management | Lambertian module must be calculated with ≈ 152.4mm/6in increment to reduce dark spot risk. |



**MCXX-Multicell Modules**

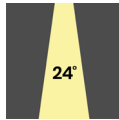
|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| Dimensions | Direct Multicell module is ≈ 190.5mm/7.5in                                                          |
| Management | Measure 190.5mm/7.5in increment when you plan your section in the fixture to avoid visible spacing. |



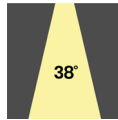
Multicell Modules Optics



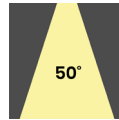
12°



24°



38°



50°



35° x 70°



WW

Driver

|                         |                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0-10V Driver 1%         | Driver for maximum dimming capabilities. Provide a smooth dimming from 10% up to 0.1%, works on 347V only.                                                                                                                                                                   |
| 0-10V Driver Dim to Off | Driver that facilitates the control of dimming of maximum light power to off state, operates only on 347V.                                                                                                                                                                   |
| Dali                    | Driver which allows the addressability of luminaires to be adapted individually or in groups. Its system facilitates the management of connections as well as its installation.                                                                                              |
| Lutron Hi-Lume 1%       | <div>The Hi-Lume LED driver is the world's first LED driver to offer smooth, continuous 1% dimming for virtually any LED fixture.</div> <div></div> <div>Lutron Hi-Lume 1% Spec Sheet</div> |
| Other Driver            | Other driver options are available. Consult factory for more information.                                                                                                                                                                                                    |

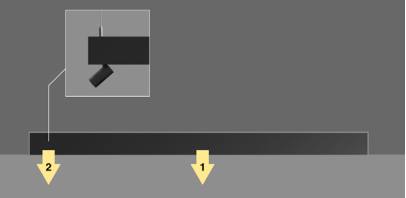
Circuits

1 Circuit



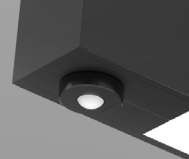
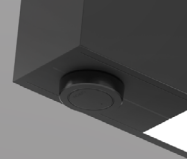
All lighting is on the same circuit and will be controlled simultaneously.

2 Circuits



Direct lighting and additional lighting options are on two separate circuits and will be controlled independently.

Athena Wireless Node

| Models                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | AWNR – Radio Frequency                                                                                                                                                                                                                                                                                                                                                 | AWNS – Radio Frequency + Occupancy Sensor                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | The Athena wireless node is a radio frequency (RF) device that enables simple, digital control of individual light fixtures in an Athena controlled system. The small size and compatibility with a wide variety of drivers allow for seamless integration with common commercial lighting fixtures from any manufacturer.                                             |                                                                                                            |
| Driver Compatibility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <div>Static White Control:</div> <ul style="list-style-type: none"><li>• Lutron digital drivers (coming soon)</li><li>• DALI-2 certified drivers</li><li>• ANSI C137.1 compliant 0-10 V drivers</li></ul> <div>Tunable White Control :</div> <ul style="list-style-type: none"><li>• Lutron digital drivers (coming soon)</li><li>• DALI-2 certified drivers</li></ul> |                                                                                                            |
| Power / Load                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <ul style="list-style-type: none"><li>• IEC SELV / NEC® Class 2</li><li>• Operating voltage: 9.5 – 28.8V</li><li>• Operating current: 46mA max</li></ul>                                                                                                                                                                                                               |                                                                                                            |
| Spec Sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                     | Installation documents  |
| <div>Finish</div> <p>Node colour will match the fixture finish, if custom colour is selected, black node will be supplied unless specified otherwise.</p> <div></div> <div>AWNR – Matte White    AWNR – Matte Black    AWNS – Matte White    AWNS – Matte Black</div> |                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                            |

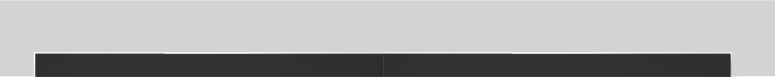
Recessed Length Options

Single Fixture



|            |                                                        |
|------------|--------------------------------------------------------|
| Max Length | 12ft<br>Maximum length for continuous lens appearance. |
| Weight     | Eros weight /feet : 1.5lbs                             |

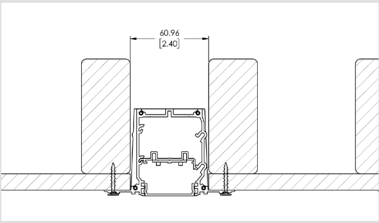
12ft+ Fixture



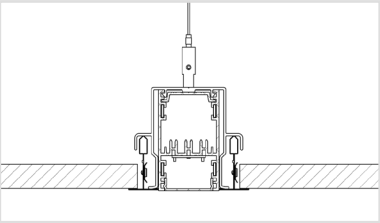
|               |                                                                                                                                       |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Max Length    | When ordering over 12ft, Eros will be split into sections depending on the total length ordered. Ask our factory for more information |
| Custom Length | Contact our factory for more information on custom length and its specifications.                                                     |

Section View

Trimless Option



T-Grid Option



Installation Information



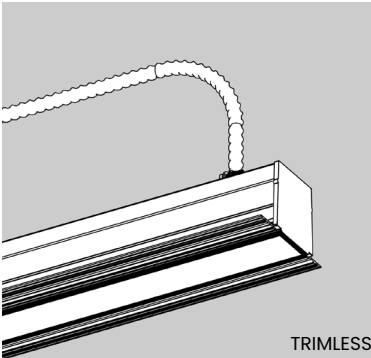
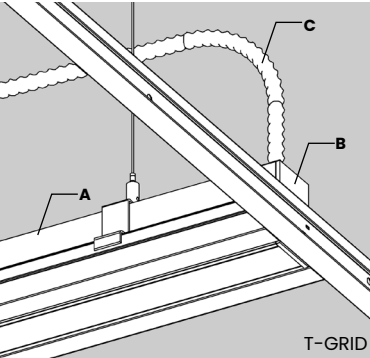
**Installation Guide**  
**Trimless**  
See our installation guide for more information.



**Installation Guide**  
**T-Grid**  
See our installation guide for more information.

CCEA Certification

The additional CCEA certification requires Air-tight seals throughout the entire fixture along with metal only components complying with the electrical standards of the city of Chicago.



| Description |                                                                                                                                                   |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| A           | The integrated driver is completely enclosed in an all-metal assembly, each joint is sealed to make the interior compartment completely airtight. |
| B           | Both endcaps are sealed at the ends with rubber seals.                                                                                            |
| C           | All Lumen Warm recessed lighting have a flexible metal conduit with metal cable gripper.                                                          |

\*Consult factory for more information.\*

## Emergency

### Description

|               | Battery |                  |               |              |                   | Fixture                                            |                        |                |
|---------------|---------|------------------|---------------|--------------|-------------------|----------------------------------------------------|------------------------|----------------|
| Ordering Code | Model   | Weight           | Input Current | Output Power | Illumination Time | Lumen Output                                       | Voltage Range          | Minimum Length |
| B6W           | BSL06T3 | 0.95lbs (0.43Kg) | 60mA          | 6W           | 90min             | Up to 900lm<br>(Based on a efficiency of 150lm/W)  | 120-277 VAC, 50/60 HzW | 4ft            |
| B10W          | BSL10T3 | 1.05lbs (0.48Kg) |               | 10W          |                   | Up to 1500lm<br>(Based on a efficiency of 150lm/W) |                        |                |
| Notes         |         |                  |               |              |                   | All data is based on a 4ft fixture.                |                        |                |

## Documentation

B6 - BSL06T3



## Specification Sheet

B10 - BSL10T3



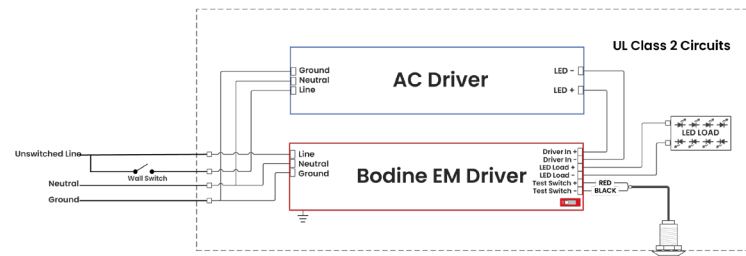
## Specification Sheet



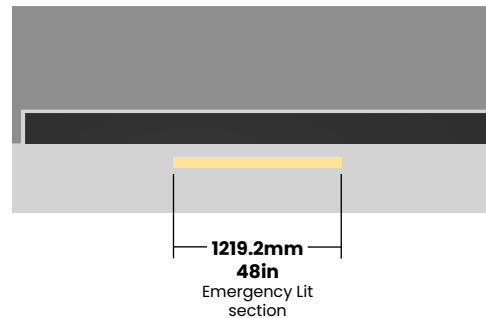
## Instruction Sheet

## Circuit Management

\* The diagram presented is directly referenced in the Bodine emergency battery documentation.\*



## Emergency Section Management



Provide sketch/drawing for emergency section positioning.

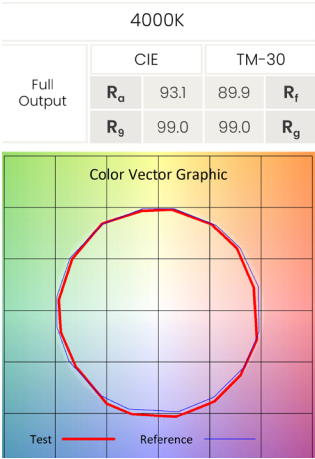
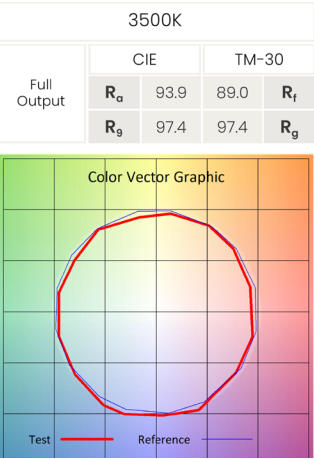
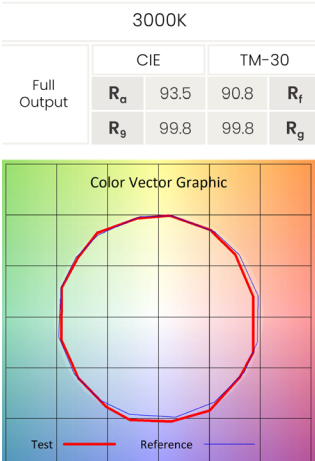
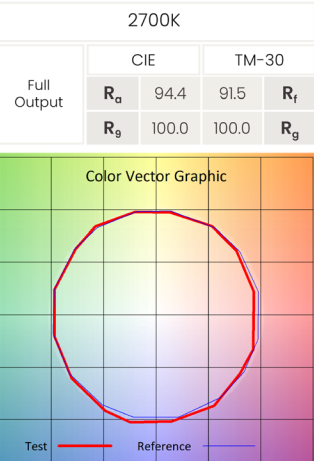
Minimum section must be at least 48in.

## Workshop Drawing

Use grid to draw combination

A full-page view of a blank sheet of graph paper. The grid consists of small squares formed by thin gray lines. There are no margins or additional markings on the page.

Light Colour Data



Eros IES



Light Loss Factor

|       |     |
|-------|-----|
| 4000K | 0%  |
| 3500K | 8%  |
| 3000K | 17% |
| 2700K | 21% |
| 2400K | 24% |
| 1800K | 26% |