

# LUMEN WARM



**EROS RECESSED  
LWERS-RCD**



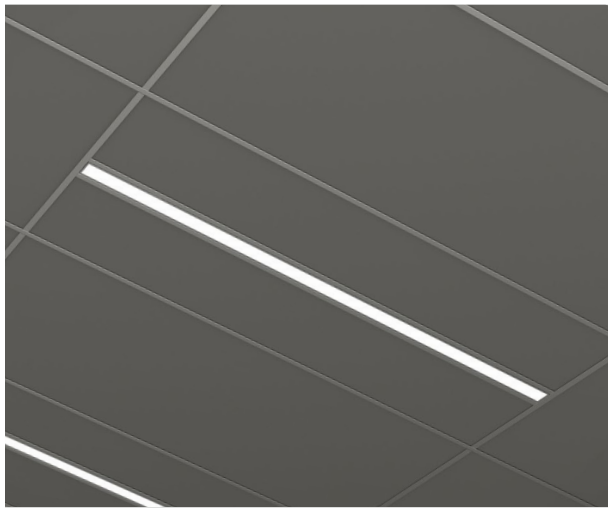
BROCHURE



INSTALLATION  
TRIMLESS



INSTALLATION  
T-GRID



# Eros Recessed

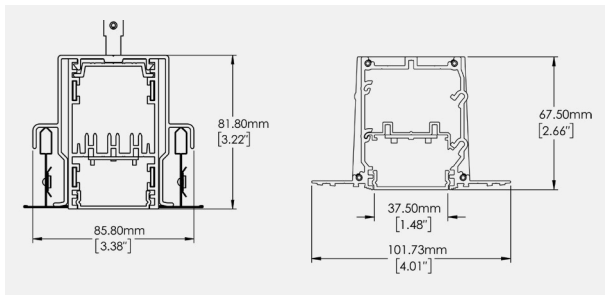
The Eros conception allows you to create long linear runs to appropriately light up the space it is installed in. Custom lengths and patterns are also a possibility and with its fully lit corners, darkness will be a thing of the past



## Highlights

<b>Lumen Output</b>	Up to 1100lm/ft 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



T-GRID OPTION

TRIMLESS OPTION

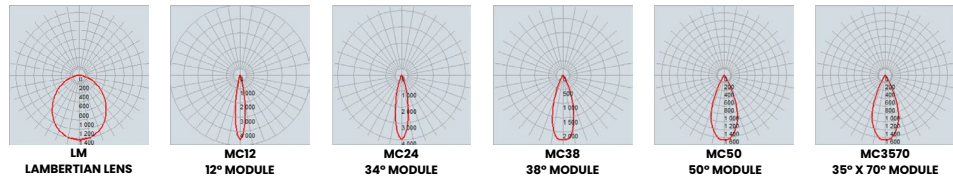
## Performance

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

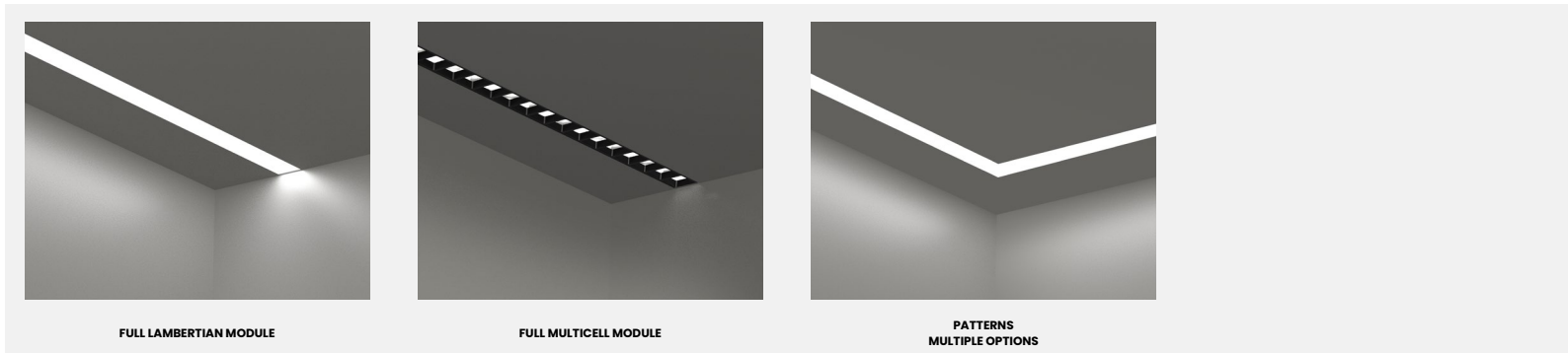
Please note this information is based on a 1ft / 4000K fixture.

## Distribution

### Direct



## Configuration Example



FULL LAMBERTIAN MODULE

FULL MULTICELL MODULE

PATTERNS MULTIPLE OPTIONS



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LAST UPDATE  
22/05/2024

Ordering Section	Technical Information	Controls	Mounting Options	Emergency	Photometrics Data
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# Eros Recessed

## Ordering Guide

Ex : LWERS-RCD-48-NA-MBK-MC12

Product Code	Length	Pattern Type	Pattern Dimensions	Exterior Finish	Direct Linear Modules (3)
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### LWERS-RCD

<b>48</b> 48in <b>60</b> 60in <b>72</b> 72in <b>84</b> 84in <b>96</b> 96in <b>144</b> 144in <b>CUCR</b> Custom Continuous Run <b>CUSU</b> Custom Single Unit <b>CUPA</b> Custom Pattern	<b>PAL</b> L-Shaped Pattern <b>PAS</b> Square Shaped Pattern <b>PAX</b> X-Shaped Pattern <b>PAU</b> U-Shaped Pattern <b>PAT</b> T-Shaped Pattern <b>CU</b> Custom Shaped Pattern (1) <b>NA</b> None	A X B A X B A1+A2 X B A X B X C A1+A2 X B1+B2 A X B1+B2 X C1+C2	<b>MBK</b> Matte Black <b>MWH</b> Matte White <b>CU</b> Custom (2)	<b>LM</b> High Efficiency Lambertian Lens <b>MC12</b> 12° <b>MC24</b> 24° <b>MC38</b> 38° <b>MC50</b> 50° <b>MC3570</b> 35° x 70° <b>NA</b> None
*Refer to the "Technical Information" section for further details.*		(1) A drawings will be needed for custom shaped. Refer to next page for more details on available shapes.	(2) Specify RALK7 code.	(3) Full length direct light module (1 choice of direct module only)

Ex : DCH-P300-27K-9/16

Multicell Finish	Direct Linear Modules Lumen Package	Direct Colour Temperature	Mounting
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<b>DCH</b> Dark Chrome <b>MBK</b> Matte Black <b>MWH</b> Matte White <b>CU</b> Custom <b>NA</b> None	<b>P300</b> 300lm/ft <b>P400</b> 400lm/ft <b>P600</b> 600lm/ft <b>P700</b> 700lm/ft <b>P900</b> 900lm/ft <b>P1100</b> 1100lm/ft <b>CU</b> Custom Output (4)	<b>27K</b> 2700K <b>30K</b> 3000K <b>35K</b> 3500K <b>40K</b> 4000K <b>TU</b> Tunable White <b>CU</b> Custom (5)	<b>916</b> 9/16 T-Bar <b>1516</b> 15/16 T-Bar <b>TRM</b> Drywall Mud Flange
*The Multicell Module (MC) option is required to select this option*		(4) Consult factory for more information.	(5) Consult factory for more information.

Ex : UNI-X10V-CCEA-IC-NA-AWNR

Voltage	Driver	Additional Certification	Circuits (10)	Emergency (11)	Controls (12)
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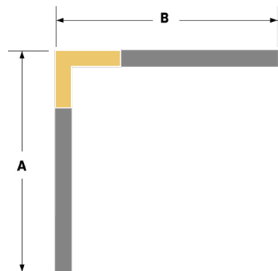
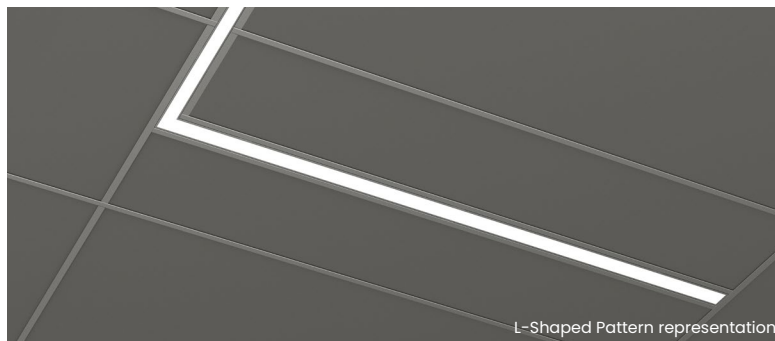
<b>UNI</b> Universal 100-277V <b>347</b> 347V(6)	<b>X10V</b> 0-10V Driver 1% <b>Z10V</b> 0-10V Driver Dim to Off <b>DA2</b> Dali 2.0 (7) <b>LTI</b> Lutron HI-Lume 1% <b>OTH</b> Other (8)	<b>CCEA</b> Chicago Plenum Certified (9) <b>NA</b> Aucun	<b>1C</b> One Circuit <b>2C</b> Two Circuits <b>CU</b> Custom	<b>B6W</b> Integral Battery Pack 6W <b>B10W</b> Integral Battery Pack 10W <b>NA</b> None	<b>AWNR</b> Athena Wireless Node RF Only <b>AWNS</b> Athena Wireless Node RF + Occupancy Sensor <b>NA</b> None
(6) Requires 0-10V driver.	(7) Dali driver commissioning is required. (8) Consult factory for more information.	(9) Refer to the "Mounting Options" section for more details.	(10) Refer to the "Controls" section for more details.	(11) Provide a sketch/drawing for the positioning of the emergency section. Refer to the "Emergency" section for further details. (Not compatible with 347V).	* Only one Node per Circuit.* (12) Athena not compatible with 347V.

## Notes

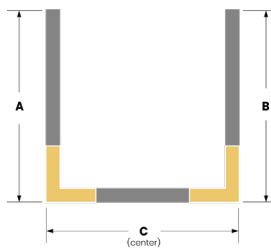
# Patterns

## Base Information

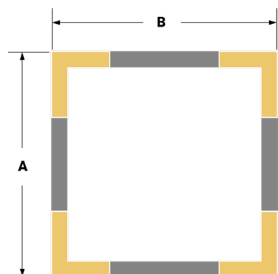
<b>Description</b>	The Eros family offers 3 standard connector shapes for different pattern configurations. Every connector is welded in factory and is fully illuminated, ensuring consistent lighting for seamless installation.
<b>Dimensions</b>	L-Shaped Connector : 7.5in x 7.5in / 190.5mm X 190.5mm
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



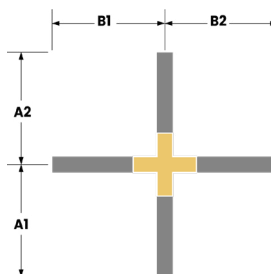
L-Shaped Pattern	
A	B
36in Minimum length	
$PAL = A \times B$	



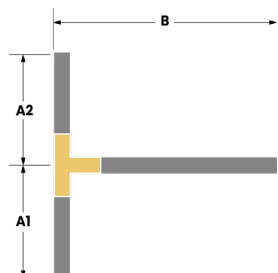
U-Shaped Pattern		
A	B	C
36in Minimum length		42in Minimum length
$PAU = A \times B \times C$		



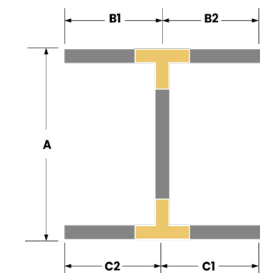
Square Shaped Pattern	
A	B
42in Minimum length	
$PAS = A \times B$	



X-Shaped Pattern			
A1	A2	B1	B2
36in Minimum length			
$PAX = A1 + A2 \times B1 + B2$			



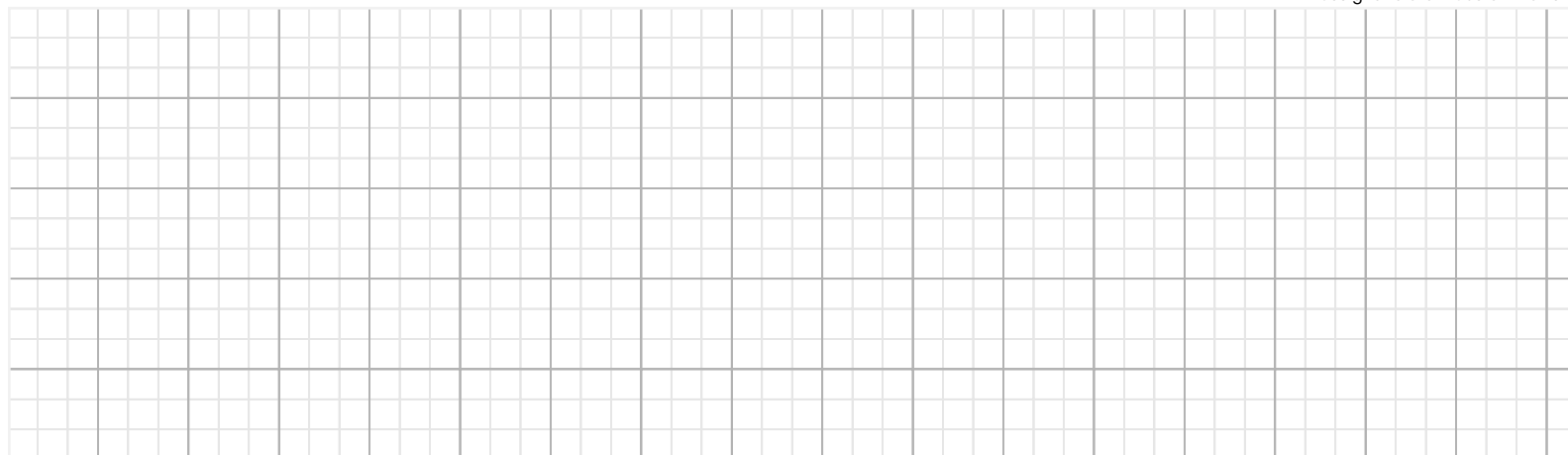
T-Shaped Pattern		
A1	A2	B
42in Minimum length		36in Minimum length
$PAT = A1 + A2 \times B$		



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

## Workshop Drawing

Use grid to draw Custom Pattern

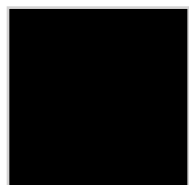


# Technical Information

## Construction

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

## Aluminum Profile Colour



MBK - Matte Black

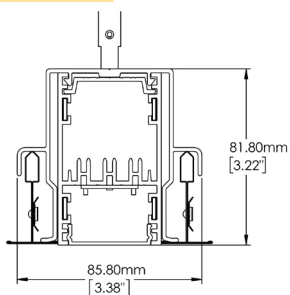


MWH - Matte White

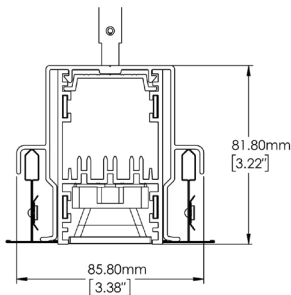


CU - Specify RALK7 colour

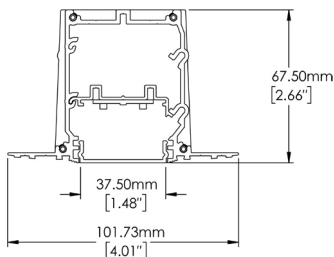
## Dimensions



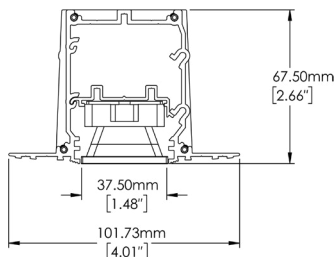
T-Grid Option Lambertian Lens



T-Grid Option Multicell Modules



Trimless Option Lambertian Lens



Trimless Option Multicell Modules

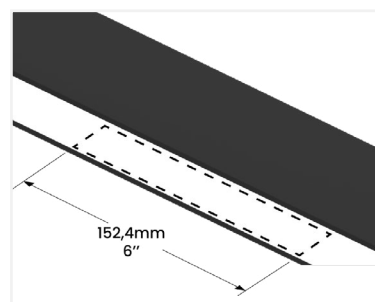
## Length Management



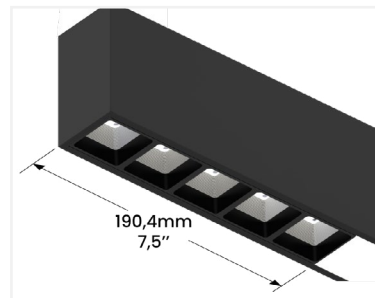
<b>A</b>	Minimum length for Eros is 4ft long.
	Eros more than <b>8ft</b> long Will have an additional cost for shipping purpose.
	Maximum length for one fixture is <b>12ft</b> . Fixture over 12ft long will be split into sections..
<b>B</b>	All Suspension cables are field adjustable in length.

## Module Management

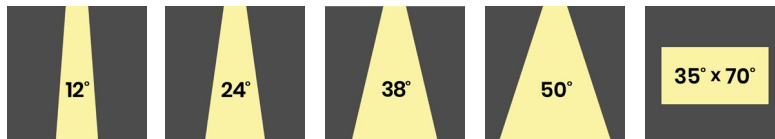
LM -High Efficiency Lambertian Lens Module	
<b>Dimensions</b>	Maximum length for lens : 3657.6mm/144in Minimum length for lens: 152.4mm/6in
<b>Management</b>	Lambertian module must be calculated with $\approx$ 152.4mm/6in increment to reduce dark spot risk.




MCXX-Multicell Modules	
<b>Dimensions</b>	Direct Multicell module is $\approx$ 190.5mm/7.5in
<b>Management</b>	Measure 190.5mm/7.5in increment when you plan your section in the fixture to avoid visible spacing.



## Multicell Optics

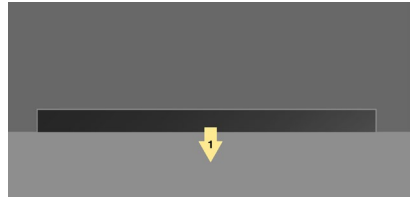


Driver

<b>0-10V Driver 1%</b>	Driver for maximum dimming capabilities. Provide a smooth dimming from 10% up to 0.1%, works on 347V only.
<b>0-10V Driver Dim to Off</b>	Driver that facilitates the control of dimming of maximum light power to off state, operates only on 347V.
<b>Dali</b>	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.
<b>Lutron Hi-Lume 1%</b>	<p>The Hi-Lume LED driver is the world's first LED driver to offer smooth, continuous 1% dimming for virtually any LED fixture.</p>  <p><b>Lutron Hi-Lume 1%</b> Spec Sheet</p>
<b>Other Driver</b>	Other driver options are available. Consult factory for more information.

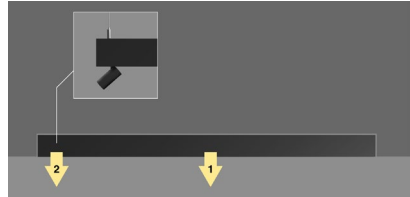
Circuits

1 Circuit





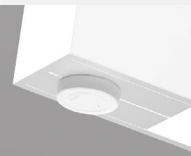
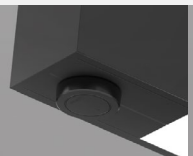

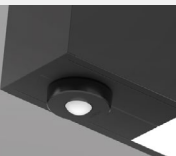
All lighting is on the same circuit and will be controlled simultaneously.

2 Circuits



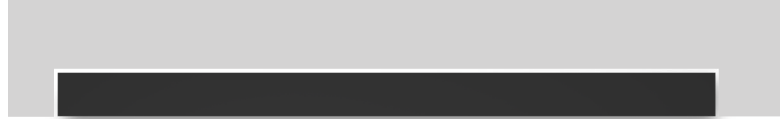
Direct lighting and additional lighting options are on two separate circuits and will be controlled independently.

Athena Wireless Node

<b>Models</b>	<b>AWNDR - Radio Frequency</b>	<b>AWNS - Radio Frequency + Occupancy Sensor</b>		
<b>Description</b>	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.			
<b>Driver Compatibility</b>	<p>Static White Control:</p> <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> <p>Tunable White Control :</p> <ul style="list-style-type: none"> <li>• Lutron digital drivers (coming soon)</li> <li>• DALI-2 certified drivers</li> </ul>			
<b>Power / Load</b>	<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 		
<b>Finish</b>	Node colour will match the fixture finish, if custom colour is selected, black node will be supplied unless specified otherwise.			
				
	<b>AWNDR - Matte White</b>	<b>AWNDR - Matte Black</b>	<b>AWNS - Matte White</b>	<b>AWNS - Matte Black</b>

## Recessed Length Options

### Single Fixture



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

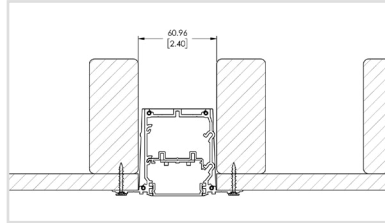
### 12ft+ Fixture



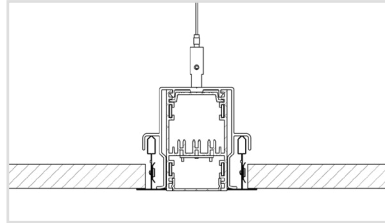
<b>Max Length</b>	When ordering over 12ft, Eros will be split into sections depending on the total length ordered. Ask our factory for more information
<b>Custom Length</b>	Contact our factory for more information on custom length and its specifications.

## Section View

### Trimless Option



### T-Grid Option



## Installation Information



### Installation Guide Trimless

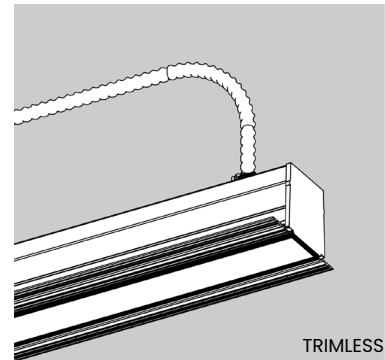
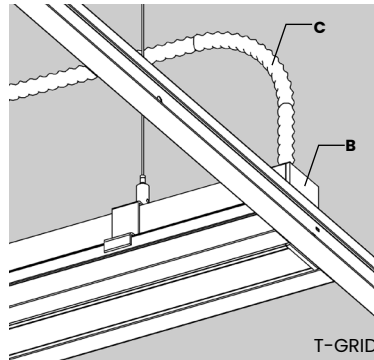
See our installation guide for more information.

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

\*Consult factory for more information.\*

# Emergency

## Description

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

## Documentation

B6 - BSL06T3

B10 - BSL10T3



Specification Sheet



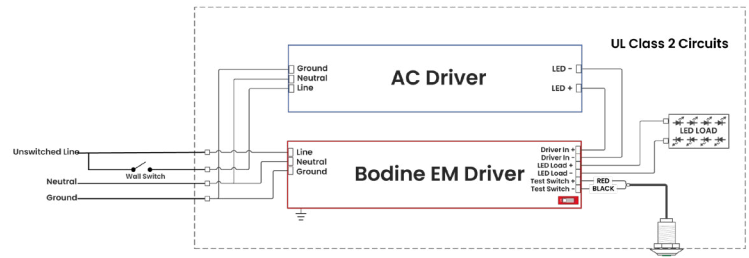
Specification Sheet



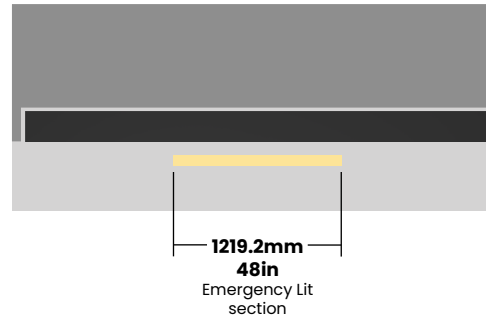
Instruction Sheet

## Circuit Management

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



## Emergency Section Management

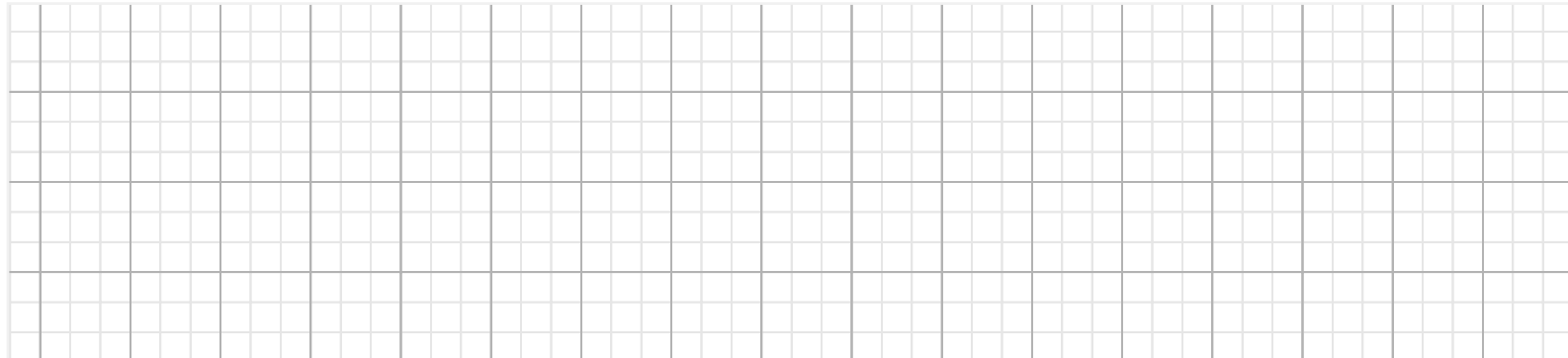


Provide sketch/drawing for emergency section positioning.

Minimum section must be at least 48in.

## Workshop Drawing

Use grid to draw combination

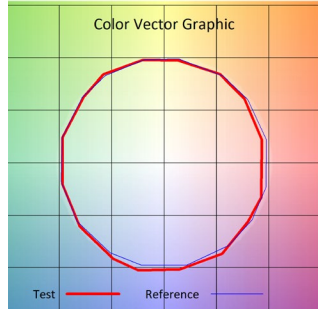




**Light Colour Data**

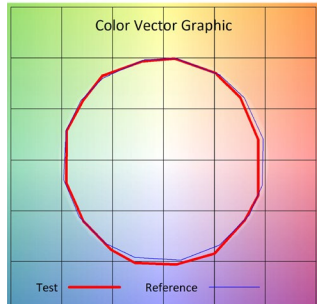
2700K

Full Output	CIE		TM-30	
	R <sub>a</sub>	94.4	91.5	R <sub>f</sub>
	R <sub>g</sub>	100.0	100.0	R <sub>g</sub>



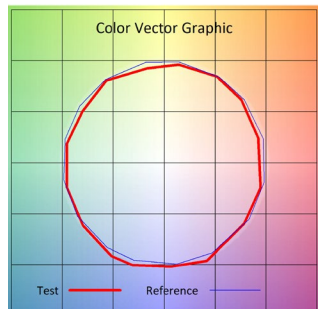
3000K

Full Output	CIE		TM-30	
	R <sub>a</sub>	93.5	90.8	R <sub>f</sub>
	R <sub>g</sub>	99.8	99.8	R <sub>g</sub>



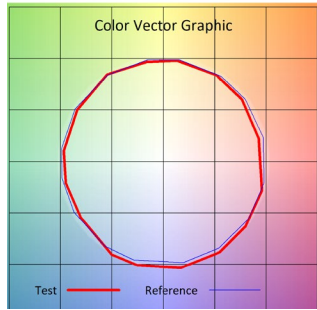
3500K

Full Output	CIE		TM-30	
	R <sub>a</sub>	93.9	89.0	R <sub>f</sub>
	R <sub>g</sub>	97.4	97.4	R <sub>g</sub>



4000K

Full Output	CIE		TM-30	
	R <sub>a</sub>	93.1	89.9	R <sub>f</sub>
	R <sub>g</sub>	99.0	99.0	R <sub>g</sub>



**Eros IES**



**Light Loss Factor**

<b>4000K</b>	0%
<b>3500K</b>	8%
<b>3000K</b>	17%
<b>2700K</b>	21%
<b>2400K</b>	24%
<b>1800K</b>	26%