

DESCRIPTION

The Encounter™ redefines ambient lighting by being the first fixture to blend modern contemporary styling with the innovative WaveStream™ technology to deliver exceptional performance and superior energy savings. Encounter's highly efficient LED system with advance optical design delivers an unparalleled combination of optimal light uniformity for enhanced visual comfort and superior efficiency for greater energy savings.

Encounter is compatible with all of today's popular ceiling systems and available in a variety of configurations for application versatility. Its perfect balance of form and function make it an ideal choice for commercial office spaces, schools, hospitals, retail and other indoor ambient applications.

SPECIFICATION FEATURES

Construction

Shallow 3-1/4" deep housing is extruded aluminum frame and injected molded composite end plates. End plates are securely attached with screws for strength and rigidity and the elimination of gaps. End plates have accessory grid-lock feature for safety and convenience. Four auxiliary fixture end suspension points are provided. Large access plate for supply connection.

Controls

Standard a 0-10V continuous dimming driver that works with any 0-10V control/dimmer. Or, go digital with the Digital Addressable Lighting Interface (DALI) drivers, dimmable down to 1% using the HD option. Combine with energy-saving products like occupancy sensors, daylighting controls, and lighting relay panels to maximize energy savings.

Electrical

Long-life LED system coupled with electrical driver to deliver optimal performance. LED's available in 3000K, 3500K or 4000K with a typical CRI \leq 85. Projected life is 100,000 hours at 92% lumen output. Electronic drivers are available for 120-277V applications.

Driver Access

Drivers can be accessed via plenum.

Finish

Durable frame has high reflectance baked matte white enamel finish for luminous uniformity.

Catalog #		Type	
Project		Date	
Comments			
Prepared by			

Optics

Precision formed optical assembly with positively retained high optical grade acrylic lenses provide a directed optical distribution using WaveStream technology.

Compliance

Components are UL recognized. Indoor luminaires are cULus listed and CE marking for 25° C ambient environments, RoHS compliant, and comply with IESNA LM-79. LEDs comply with LM-80 standards. Options to meet Buy American and other domestic preference requirements.

Warranty

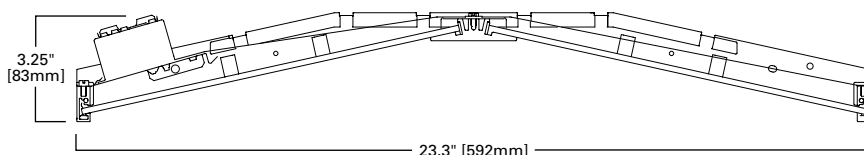
Five year warranty.



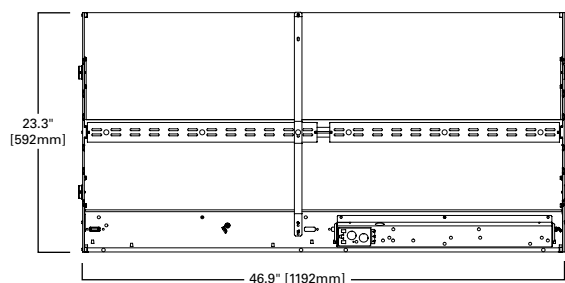
612EN LED

600 X 1200 TROFFER
LED MODULE

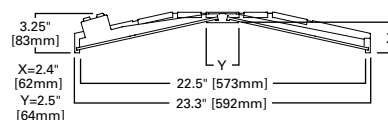
Specification Grade Metric
Troffer



MOUNTING DATA



LAMP CONFIGURATIONS



CEILING COMPATIBILITY

G	F	Ceiling Type	Trim Type
Grid/Lay-in Standard	Drywall Frame Kit	Exposed Grid	G
		Concealed T	G or T
		Slot Grid	G or T
		Flange	

CERTIFICATION DATA

cULus - 1598 and 2043*
CE Marking
Damp Location Listed
CSA
IC Rated
LM79/LM80 Compliant
ROHS Compliant

*Fixture construction is suitable for use in Air-handling and plenum rated spaces in accordance with Section 300.22 (C) of the National Electrical Code, Section 4.3.11.2.6.5 of NFPA 90A and Section 602.2.1.4 of ICC.

LINEAR DISCONNECT
Safe and convenient means of
disconnecting power



ENERGY AND PERFORMANCE DATA BY CATALOG NUMBER

Stock or MTO*	Catalog Logic	Description	Delivered Lumens	Watts	Efficacy (lm/W)
MTO	612EN-LD2-30-UNV-L830-CD1-U	600x1200, 3000 Lumens, UNV, 3000K, 0-10V	2821	24.7	114
MTO	612EN-LD2-30-UNV-L835-CD1-U	600x1200, 3000 Lumens, UNV, 3500K, 0-10V	2908	24.7	118
MTO	612EN-LD2-30-UNV-L840-CD1-U	600x1200, 3000 Lumens, UNV, 4000K, 0-10V	2966	24.7	120
MTO	612EN-LD2-34-UNV-L830-CD1-U	600x1200, 3400 Lumens, UNV, 3000K, 0-10V	3267	28.7	114
MTO	612EN-LD2-34-UNV-L835-CD1-U	600x1200, 3400 Lumens, UNV, 3500K, 0-10V	3368	28.7	117
MTO	612EN-LD2-34-UNV-L840-CD1-U	600x1200, 3400 Lumens, UNV, 4000K, 0-10V	3436	28.7	120
MTO	612EN-LD2-40-UNV-L830-CD1-U	600x1200, 4000 Lumens, UNV, 3000K, 0-10V	3805	33.9	112
MTO	612EN-LD2-40-UNV-L835-CD1-U	600x1200, 4000 Lumens, UNV, 3500K, 0-10V	3923	33.9	116
MTO	612EN-LD2-40-UNV-L840-CD1-U	600x1200, 4000 Lumens, UNV, 4000K, 0-10V	4001	33.9	118
MTO	612EN-LD2-45-UNV-L830-CD1-U	600x1200, 4500 Lumens, UNV, 3000K, 0-10V	4214	38.0	111
MTO	612EN-LD2-45-UNV-L835-CD1-U	600x1200, 4500 Lumens, UNV, 3500K, 0-10V	4344	38.0	114
MTO	612EN-LD2-45-UNV-L840-CD1-U	600x1200, 4500 Lumens, UNV, 4000K, 0-10V	4431	38.0	117
MTO	612EN-LD2-49-UNV-L830-CD1-U	600x1200, 4900 Lumens, UNV, 3000K, 0-10V	4614	42.2	109
MTO	612EN-LD2-49-UNV-L835-CD1-U	600x1200, 4900 Lumens, UNV, 3500K, 0-10V	4757	42.2	113
MTO	612EN-LD2-49-UNV-L840-CD1-U	600x1200, 4900 Lumens, UNV, 4000K, 0-10V	4852	42.2	115
MTO	612EN-LD2-54-UNV-L830-CD1-U	600x1200, 5400 Lumens, UNV, 3000K, 0-10V	5043	43.0	117
MTO	612EN-LD2-54-UNV-L835-CD1-U	600x1200, 5400 Lumens, UNV, 3500K, 0-10V	5199	43.0	121
MTO	612EN-LD2-54-UNV-L840-CD1-U	600x1200, 5400 Lumens, UNV, 4000K, 0-10V	5303	43.0	123
MTO	612EN-LD2-58-UNV-L830-CD1-U	600x1200, 5800 Lumens, UNV, 3000K, 0-10V	5442	47.0	116
MTO	612EN-LD2-58-UNV-L835-CD1-U	600x1200, 5800 Lumens, UNV, 3500K, 0-10V	5611	47.0	119
MTO	612EN-LD2-58-UNV-L840-CD1-U	600x1200, 5800 Lumens, UNV, 4000K, 0-10V	5723	47.0	122
MTO	612EN-LD2-67-UNV-L830-CD1-U	600x1200, 6700 Lumens, UNV, 3000K, 0-10V	6275	56.1	112
MTO	612EN-LD2-67-UNV-L835-CD1-U	600x1200, 6700 Lumens, UNV, 3500K, 0-10V	6469	56.1	115
MTO	612EN-LD2-67-UNV-L840-CD1-U	600x1200, 6700 Lumens, UNV, 4000K, 0-10V	6598	56.1	118
MTO	612EN-LD2-70-UNV-L830-CD1-U	600x1200, 7000 Lumens, UNV, 3000K, 0-10V	6547	60.2	109
MTO	612EN-LD2-70-UNV-L835-CD1-U	600x1200, 7000 Lumens, UNV, 3500K, 0-10V	6749	60.2	112
MTO	612EN-LD2-70-UNV-L840-CD1-U	600x1200, 7000 Lumens, UNV, 4000K, 0-10V	6884	60.2	114
MTO	612EN-LD2-74-UNV-L830-CD1-U	600x1200, 7400 Lumens, UNV, 3000K, 0-10V	6977	63.6	110
MTO	612EN-LD2-74-UNV-L835-CD1-U	600x1200, 7400 Lumens, UNV, 3500K, 0-10V	7192	63.6	113
MTO	612EN-LD2-74-UNV-L840-CD1-U	600x1200, 7400 Lumens, UNV, 4000K, 0-10V	7336	63.6	115

*Made to order (MTO) requires a typical six week lead time.

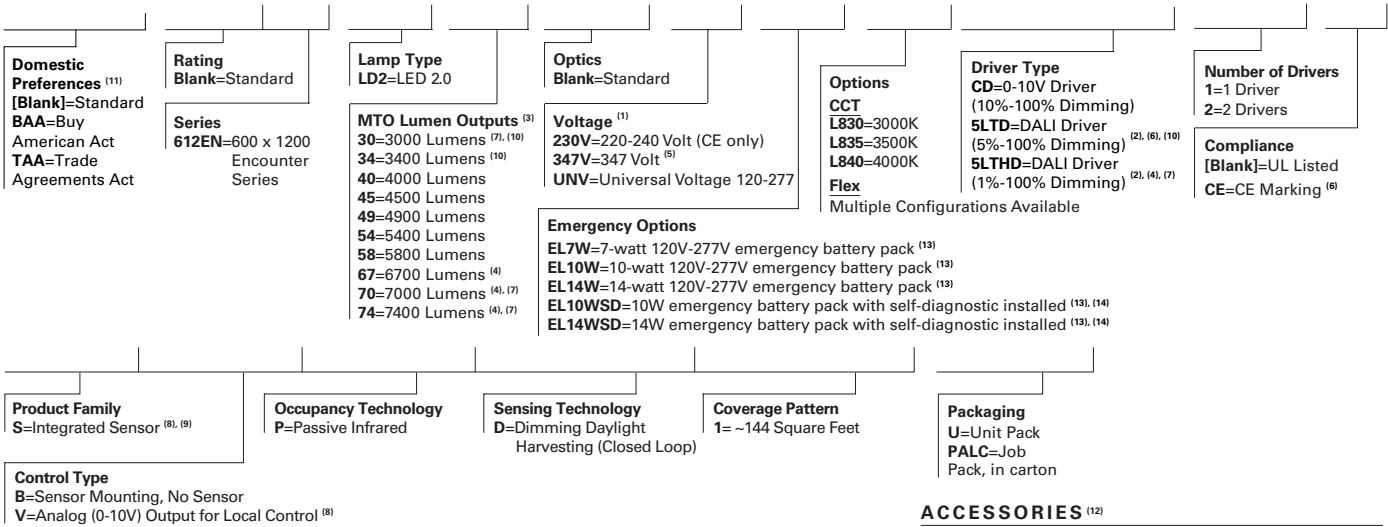
LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (100,000 hours) ⁽¹⁾	Theoretical L70 (hours) ⁽²⁾
25° C	> 92%	> 448,000

Notes: (1) Supported by IESTM-21 standards. (2) Theoretical values represent estimations commonly used; however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, that explains proper use of IESTM-21 and LM-80.

ORDERING INFORMATION

SAMPLE NUMBER: 612EN-LD2-67-UNV-L835-CD1-U



ACCESSORIES ⁽¹²⁾

- T3A END E.Q. BRACKET PARTS BAG (Standard with fixture)
- DF10P-C =Decorator Dimmer, 0-10V
- SF10P- =Decorator Slide Dimmer, 0-10V
- ISHH-01=Programming Remote for Integrated Sensor
- ISHH-02=Personal Control Remote for Integrated Sensor

NOTES: ⁽¹⁾ Products also available in non-US voltages and frequencies for international markets. ⁽²⁾ Must be used in conjunction with a DALI control system. For complete DALI solutions, visit www.cooperlighting.com ⁽³⁾ Made-to-order (MTO) requires six week lead time. ⁽⁴⁾ Two drivers required for DALI (5LTHD) option for 6400 lumens and up. ⁽⁵⁾ 347V option not available with 7400 lumen package. ⁽⁶⁾ CE versions are not available with DALI (5LTD) driver option. ⁽⁷⁾ DALI (5LTHD) driver is not available for CE version of 3000 lumen package and two drivers are required for 6700, 7000 and 7400 lumen packages. ⁽⁸⁾ Integral sensor works only with "CD" driver and is factory prewired to the driver for stand-alone control. ⁽⁹⁾ Integral sensor option is only available for UL versions. ⁽¹⁰⁾ DALI (5LTD) driver option is not available with 3000 and 3400 lumen packages. ⁽¹¹⁾ To order product that is compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act (TAA), use the online specification configurator to specify BAA or TAA. Please refer to [DOMESTIC PREFERENCES LINK](#) for more information. Components shipped separately may be separately analyzed under domestic preference requirements. Accessories sold separately will be separately analyzed under domestic preference requirements. ⁽¹²⁾ Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. ⁽¹³⁾ Factory installed with integral test switch/indicator/laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). IES-format photometry for luminaire under emergency operation available. Battery option increases total height by 1 inch. ⁽¹⁴⁾ EL10WSD and EL14WSD not available with 347V.

Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Solutions Representative for availability and ordering information.

SHIPPING DATA

Catalog No.	Wt.
612EN-LD2-45	28 lbs.
612EN-LD2-54	28 lbs.
612EN-LD2-67	28 lbs.



Cooper Lighting Solutions
 1121 Highway 74 South
 Peachtree City, GA 30269
 P: 770-486-4800
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Specifications and dimensions subject to change without notice.

INTEGRATED SENSOR

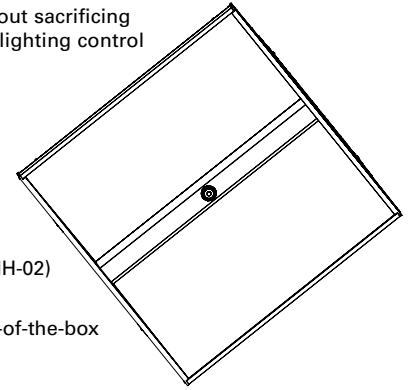
The Encounter and Encounter HP with Integrated Sensor technology provides automatic energy savings without sacrificing performance. Traditionally, these types of energy savings required coordination between the luminaire and a lighting control system. The Encounter delivers superior lighting with integrated occupancy and daylighting controls.

Capture the benefits of traditional lighting controls, without complicated coverage planning or special wiring. Ideal for new construction or retrofit, the Encounter delivers automatic ON to an energy saving light level, while ensuring lighting is turned OFF when the space is unoccupied.

The integral daylight sensor reduces the need for special daylight zone planning. Each luminaire will automatically adjust the light level based on reflected light beneath the sensor in a closed loop method.

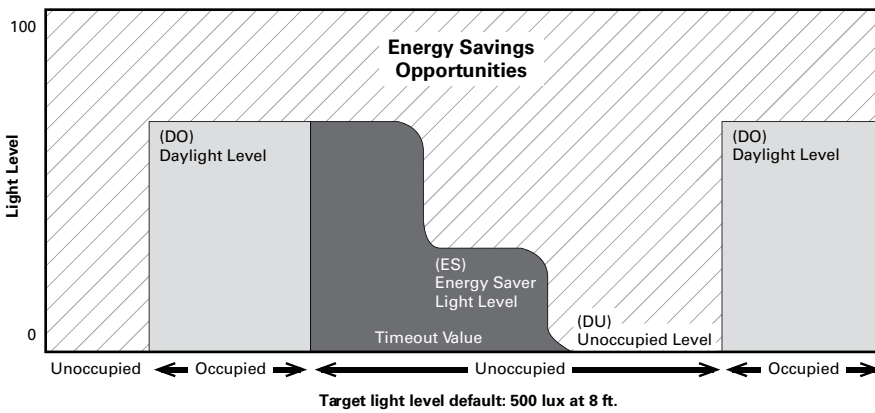
Occupied daylight light levels and unoccupied light levels can be adjusted using the integrated sensor programming remote (Catalog Number: ISHH-01). The integrated sensor personal remote (Catalog Number: ISHH-02) provides code compliant manual raise, lower, ON, OFF control.

The Encounter with Integrated Sensor is easy to install with no special wiring and ensures energy savings out-of-the-box with default control settings.

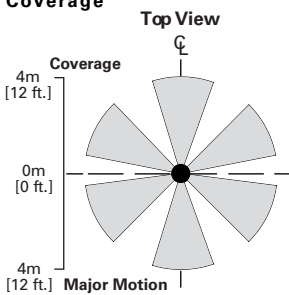


How it works:

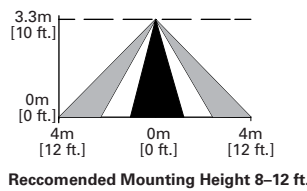
- As the user enters the space controlled by the integral sensor, the lighting turns ON to the default daylight level.
- Lighting will remain at that the daylight level until the space is unoccupied. This will start the occupancy timeout period (default 20 minutes).
- If the space remains unoccupied for half of the timeout period, the lighting will automatically reduce to the Energy Saver light level. This adjustable light level is typically half of the occupied daylight level.
- At the end of the timeout period the lighting will go to the unoccupied light level. This adjustable light level uses the OFF default setting.



Coverage



Side View



Optional Remote Controls



ISHH-01 Programming Remote



ISHH-02 Personal Control Remote