

**Encounter™ Series**  
Recessed LED Luminaire

 **Metalux**



**Cooper Lighting**  
by **EAT•N**

Innovation you can rely on™



The **Encounter™** Series redefines ambient lighting by blending contemporary styling with innovative WaveStream™ LED technology. The result is exceptional performance and superior energy savings – all at an affordable price. The highly efficient LED system with advanced optical design delivers optimal light uniformity, resulting in soft, natural light for superior visual comfort. Encounter is a perfect balance of form and function, making it an ideal choice for commercial interiors.

## Construction

- Recessed: 2' x 2', 2' x 4' (1' x 4' available early 2014)
- Depth: 3.25"
- Sustainable materials
- cULus damp location / IC Rated
- ROHS compliant
- Five-year warranty

## Performance

- High-performance efficacy up to 104 lumens per watt
- Energy savings in excess of 45% compared to traditional fluorescent troffers
- Three Correlated Color Temperatures (3000K, 3500K, 4000K) at typical 85 CRI
- 2' x 2': L85 @ 60,000 hrs.; 2' x 4': L78 @ 60,000 hrs.
- 3-step binning

## Options

- Five stocked lumen packages in two CCTs
  - 2' x 2': 2500 and 3400; 2' x 4': 4500, 5400 and 6700
  - Eleven additional lumen packages offered as MTO
- Universal (120V/277V) or 347V
- Emergency – 700 and 1400 lumen
- Flex wiring configurations
- Chicago plenum rated version

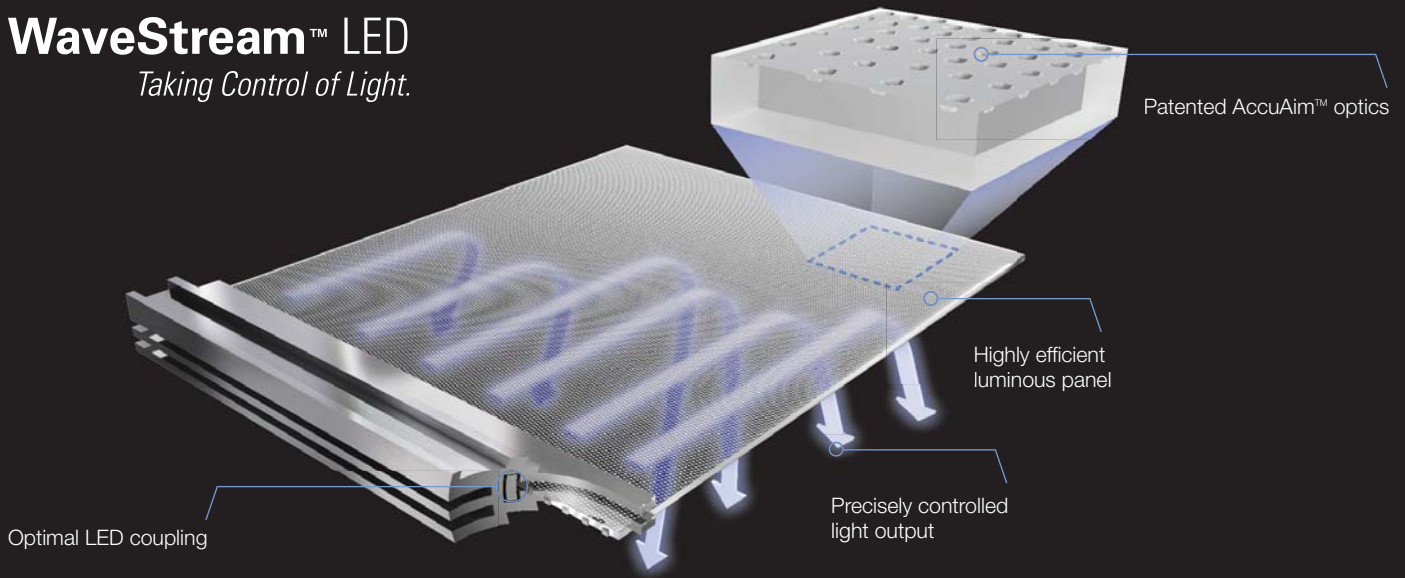
## Controls

- Encounter includes 0-10V (analog) dimming for control using Cooper Wiring Devices wall dimmers (5% - 100%), Cooper Controls Greengate Room Controllers, occupancy and/or daylight sensors, and lighting control panels.
- Encounter is available with native Fifth Light DALI drivers for complete digital energy management using the capable and scalable Fifth Light controllers and software. For details on the Fifth Light solution, please visit [www.fifthlight.com](http://www.fifthlight.com)



# WaveStream™ LED

Taking Control of Light.



A patented optical coupling process maximizes the amount of light injected into the WaveStream panel, dramatically improving luminaire efficiency. Laser precise, patented AccuAim™ optics arranged in exacting patterns provide unrivaled brightness control while delivering optimal distributions tailored to each fixture and application.

## Ordering Information

Sample Number: 22EN-LD1-34-UNV-L835-CD1-U

Rating	Series <sup>2</sup>	Lamp Type	LED Lumens Output	Optics	Voltage <sup>5</sup>	
[Blank]=Standard ATW-SW4=Chicago Rated <sup>1</sup>	22EN=2' x 2' Encounter Series 24EN=2' x 4' Encounter Series	LD1=LED 1.0	<b>2' x 2'</b> <b>Stock</b> 25=2500 Lumens <sup>3</sup> 34=3400 Lumens  <b>MTO<sup>4</sup></b> 19=1900 Lumens <sup>3</sup> 30=3000 Lumens 39=3900 Lumens 43=4300 Lumens	<b>2' x 4'</b> <b>Stock</b> 45=4500 Lumens 54=5400 Lumens 67=6700 Lumens  <b>MTO<sup>4</sup></b> 30=3000 Lumens 34=3400 Lumens 40=4000 Lumens 49=4900 Lumens 58=5800 Lumens 70=7000 Lumens 74=7400 Lumens	[Blank]=Standard	<b>347V=347 Volt<sup>6</sup></b> <b>UNV=Universal Voltage</b> 120-277
Options	CCT	Options	Driver Type <sup>10</sup>	Number of Drivers	Packaging	Accessories (Order Separately)
<b>Emergency</b> <b>EL</b> =Emergency Installed, 700 Lumens <sup>7</sup> <b>EL14</b> =Emergency Installed, 1400 Lumens <sup>7,8</sup>	<b>L830=3000K</b> <b>L835=3500K</b> <b>L840=4000K</b>	<b>Flex<sup>9</sup></b> <b>Flex</b> =Multiple Configurations Available	<b>CD</b> =0-10V Dimming Driver (Standard) <b>5LTD</b> =Fifth Light (DALI) Driver <sup>11</sup>	1=1 Driver	<b>U</b> =Unit Pack <b>PALC</b> =Job Pack, in Carton	<b>T3A END E.Q. BRACKET PARTS BAG</b> =(Standard with Fixture) <b>DF-22-W</b> =2' x 2' Drywall Frame Kit <b>DF-24-W</b> =2' x 4' Drywall Frame Kit

**NOTES:** 1. Chicago rated version does not allow for row mounting. 2. DesignLights™ Consortium Qualified (all lumen packages). Refer to [www.designlights.org](http://www.designlights.org) Qualified Products List under Family Models for details. 3. 1900 and 2500 lumen option is not available with Fifth Light (DALI) driver. 4. Made-to-order (MTO) requires four week lead time. 5. Products also available in non-US voltage and frequencies for international markets. 6. 347V emergency option not available. 7. EL options are non-integral. 8. Must specify voltage (120V or 277V) when selecting EL option. 9. Flex does not include dimming leads. Control leads provided by others. 10. Call factory for step-dimming options. 11. For a complete listing of Fifth Light Technology products and other solutions from Cooper Controls, visit [www.coopercontrol.com](http://www.coopercontrol.com). Specifications & dimensions subject to change without notice. Consult your Cooper Lighting Representative for availability and ordering information.

2' x 4' LUMEN MAINTENANCE		
Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
25°C	> 78	> 92,000

2' x 2' LUMEN MAINTENANCE		
Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
25°C	> 85	> 163,000

CERTIFICATION DATA							
cULus - Damp Location	CSA	IC Rated	LM79/LM80 Compliant	ROHS Compliant	NOM Compliant	DesignLight™ Consortium Qualified	CA Title 24

### Eaton's Cooper Lighting Business

Headquarters  
1121 Highway 74 South  
Peachtree City, GA 30269  
P: 770-486-4800  
www.cooperlighting.com

### Canada Sales

5925 McLaughlin Road  
Mississauga, Ontario L5R 1B8  
P: 905-501-3000  
F: 905-501-3172

### Our Lighting Product Brands

Halo  
Halo Commercial  
Portfolio  
IRiS  
RSA  
Metalux  
Corelite  
Neo-Ray  
Fail-Safe  
MWS  
Ametrix  
Shaper  
io  
Lumark  
McGraw-Edison  
Invue  
Lumière  
Streetworks  
AtLite  
Sure-Lites

### Our Controls Product Brands

Greengate  
iLumin  
Zero 88  
Fifth Light Technology  
iLight (International Only)

### Eaton

1000 Eaton Boulevard  
Cleveland, OH 44122  
United States  
Eaton.com

600 Travis, Ste. 5600  
Houston, TX 77002-1001  
P: 713-209-8400  
www.cooperindustries.com

© 2013 Eaton  
All Rights Reserved  
Printed in USA  
Publication No. ADF131307  
August 2013



Powering Business Worldwide

Eaton is a registered trademark.

All other trademarks are property  
of their respective owners.