COOPER
Lighting Solutions

Encounter Metric

Performance, uniformity, style. The **Encounter**™ Metric 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.
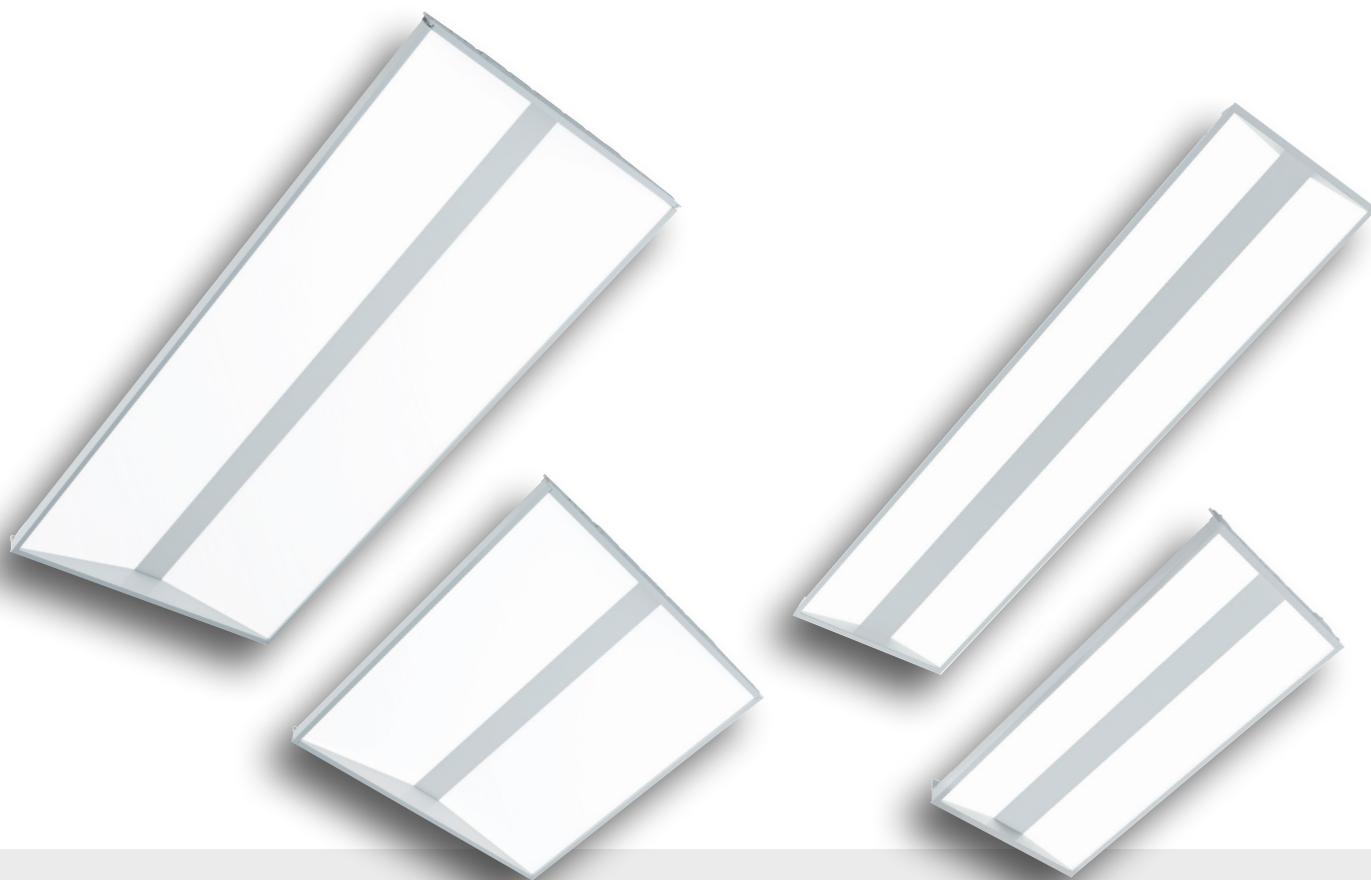
The highly efficient LED system with advanced optical design delivers optimal light uniformity, resulting in soft, natural light for superior visual comfort. Encounter is a perfect balance of form and function, making it an ideal choice for commercial interiors.

Innovation you can rely on™

Metalux Encounter Metric

Construction

- Recessed: 600 x 600, 600 x 1200, 300 x 1200 and 300 x 600
- Depth: 82.5mm
- Sustainable materials
- cULus damp location / IC Rated / CE
- ROHS compliant
- Five-year warranty

Performance

- High-performance efficacy up to 127 lumens per watt
- Energy savings in excess of 60% compared to traditional fluorescent troffers
- Three Correlated Color Temperatures (3000K, 3500K and 4000K) at typical 85 CRI
- 600 x 600: L92 @ 100,000 hrs.; 600 x 1200: L92 @ 100,000 hrs.; 300 x 600: L92 @ 100,000 hrs; 300 x 1200: L92 @ 100,000 hrs.
- Binning: Per ANSI, 3-step MacAdam ellipse

Options

- Universal (120V/277V), 347V or 220-240V 50/60Hz
- Flex wiring configurations

Controls

- Encounter luminaires include 0-10V dimming drivers for control using wall dimmers (10% - 100%), daylighting sensors and Room Controllers from Cooper Lighting Solutions.
- Encounter can also include a factory-installed integrated sensor system for occupancy and daylight dimming control, with programming and manual controls from an optional handheld remote.
- Encounter luminaires are available with DALI drivers for complete digital energy management using Fifth Light addressable lighting controls.
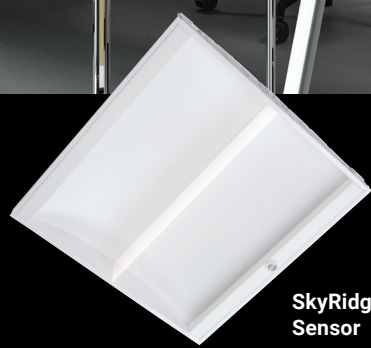
powered by
fifthlight
technology

CE   c(UL)us LISTED   LM79 / LM80 Compliant   RoHS COMPLIANT   IC RATED   NOM   damp location

Encounter with Sensor

SkyRidge with Sensor
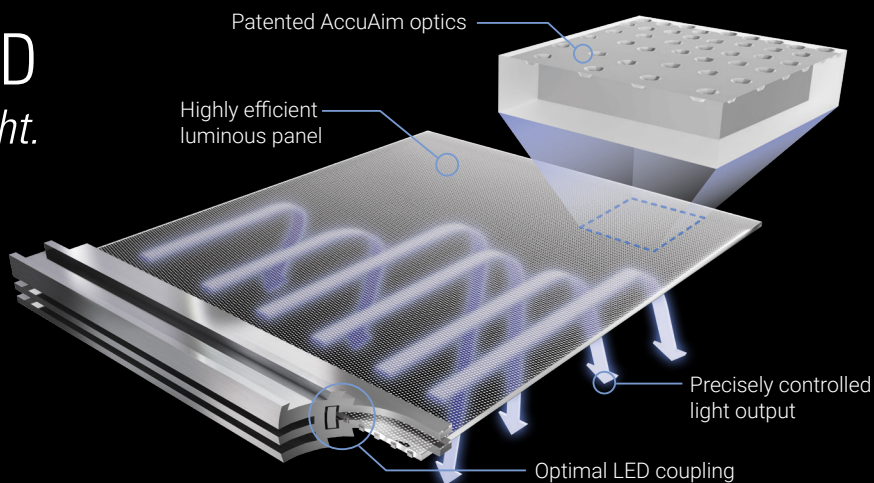
Optional Remote Control

Encounter and SkyRidge Series with Integrated Sensor Controls

Get the best of both worlds. Award winning Metalux Encounter and SkyRidge luminaires with Wavestream LED technology are available with an optional integrated sensor system, optimized to meet energy codes for occupancy sensing and daylight harvesting. The sensor system is factory wired to the luminaire, switching on or off based on occupancy, and dimming the light when enough daylight is available, offering out-of-the-box operation using thoughtful default settings. When the application demands more, the sensor system has an optional remote control allowing changes from the default settings for occupancy, target light level, preset lighting levels, and to temporarily override automatic controls.

WaveStream™ LED
Taking Control of Light.

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

Patented AccuAim optics

Highly efficient luminous panel

Precisely controlled light output

Optimal LED coupling

Energy Savings

Operating and maintenance costs of a lighting system are dramatically impacted by the specified lamp source and electrical system. Total system input watts and fixture operating life should be the driving considerations when addressing energy consumption and total cost of ownership. Energy savings increase when energy consumption is reduced and maintenance intervals are extended.

Fluorescent Product Comparison

600 x 1200 Encounter Series			Popular Fluorescent Fixtures			
Catalog Number	Lumens*	Wattage	Fixture Type	Lumens*	Wattage	Energy Savings
612EN-LD2-67-UNV-L835-CD1-U	6469	56.1	Troffer 432	8402	109.7	-49%
			Troffer 332	6629	81.7	-31%
612EN-LD2-54-UNV-L835-CD1-U	5199	43.0	Parabolic 332	5646	83.0	-48%
612EN-LD2-45-UNV-L835-CD1-U	4344	38.0	Indirect Basket 332	4583	83.7	-55%
			Direct Dual Lens 228T5	4576	58.0	-34%
			Troffer 232	4310	52.0	-27%
			Indirect Basket 232	3873	72.0	-47%

600 x 600 Encounter Series			Popular Fluorescent Fixtures			
Catalog Number	Lumens*	Wattage	Fixture Type	Lumens*	Wattage	Energy Savings
66EN-LD2-34-UNV-L835-CD1-U	3264	28.5	Indirect Basket 2BX40	4324	68.2	-58%
			Troffer 2U6T8	3862	52.1	-45%
			Direct Dual Lens 224	2975	52.0	-45%
			Parabolic 2U6T8	2791	63.1	-55%
66EN-LD2-25-UNV-L835-CD1-U	2490	20.0	Direct Dual Lens 224	2975	52.0	-62%
			Parabolic 2U6T8	2791	63.1	-68%
			Troffer 317	2601	42.9	-53%
			Parabolic 317	2588	49.1	-59%
			Direct Dual Lens 214	2403	30.0	-33%

*Lumens listed are delivered lumens.

WaveStream LED technology provides industry-leading, energy-efficient performance. With a patented LED coupling, optimized thermal management and proprietary AccuAim™ optics, the Encounter Series provides uniform illumination and superior efficacy. Encounter luminaires offer three color temperature choices with a wide range of lumen packages to provide best-in-class, breadth-of-line with efficacy reaching as high as 127** lumens per watt.

**127 lumens per watt is associated with 600 x 600 version.
Note: 3000K and 4000K performance data available on product specification sheets.

WaveStream is the first lighting technology designed and optimized exclusively for LEDs — with form and function that allows mainstream adoption like never before. Once you factor in all the ways you can build and customize WaveStream lighting solutions, over 500,000 configurations are available to address nearly every major lighting application.

Innovation you can rely on™

Ordering Information

Sample Number: 66EN-LD2-34-UNV-L835-CD1--U

Rating	Series	Lamp Type	LED MTO Lumen Outputs			
[Blank]=Standard	**36EN**=300 x 600 Encounter Series **312EN**=300 x 1200 Encounter Series **66EN**=600 x 600 Encounter Series **612EN**=600 x 1200 Encounter Series	**LD2**=LED 2.0	**300 x 600** [3] **08**=800 Lumens [5, 7, 10, 12] **13**=1300 Lumens [5, 7, 12] **17**=1700 Lumens [7, 12] **23**=2300 Lumens [7, 12] **27**=2700 Lumens [7, 12] **31**=3100 Lumens [12] **35**=3500 Lumens [12] **39**=3900 Lumens [4]	**300 x 1200** [3, 6] **18**=1800 Lumens [7, 12] **25**=2500 Lumens [7, 12] **28**=2800 Lumens [7, 12] **33**=3300 Lumens [12] **38**=3800 Lumens **43**=4300 Lumens **47**=4700 Lumens **51**=5100 Lumens	**600 x 600** [3, 6] **19**=1900 Lumens [4, 7, 12] **25**=2500 Lumens [4, 7, 12] **30**=3000 Lumens [4, 7, 12] **34**=3400 Lumens [4, 12] **39**=3900 Lumens **43**=4300 Lumens	**600 x 1200** [3] **30**=3000 Lumens [11, 12] **34**=3400 Lumens [12] **40**=4000 Lumens **45**=4500 Lumens **49**=4900 Lumens **54**=5400 Lumens **58**=5800 Lumens **67**=6700 Lumens [13] **70**=7000 Lumens [11, 13] **74**=7400 Lumens [11, 13]

Optics	Voltage [1]	CCT	Options	Driver Type	Number of Drivers	Compliance
[Blank]=Standard	**230V**=220-240 Volt (CE only) **347V**=347 Volt [14] **UNV**=Universal Voltage 120-277	**L830**=3000K **L835**=3500K **L840**=4000K	**Flex** **Flex**=Multiple Configurations Available	**CD**=0-10V Dimming Driver (Standard) **5LTD**=Fifth Light DALI Driver (10% - 100% Dimming) [2, 6, 12] **5LTHD**=Fifth Light DALI Driver (1% - 100% Dimming) [2, 11, 13]	**1**=1 Driver **2**=2 Drivers	**[Blank]**=UL Listed **CE**=CE Marking [6]

Product Family	Control Type	Occupancy Technology	Sensing Technology	Coverage Pattern	Packaging	Accessories (Order Separately)
S=Integrated Sensor [8, 9]	**B**=Sensor Mounting, No Sensor **V**=Analog (0-10V) Output for Local Control [8]	**P**=Passive Infrared	**D**=Dimming Daylight Harvesting (Closed Loop)	**1**=~144 Square Feet	**U**=Unit Pack **PALC**=Job Pack, in Carton	**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 voltage and frequencies for international markets. **2.** Must be in conjunction with a DALI control system. For complete DALI solutions by Fifth Light, visit www.Cooper Lighting Solutions.com/lightingsystems **3.** Made-to-order (MTO) requires six week lead time. **4.** Only 3900 and 4300 lumen option is available with a Fifth Light DALI (5LTD) driver. **5.** 800 and 1300 lumen packages are not available in CE versions. **6.** CE versions are not available with Fifth Light (5LTD) 10% driver option. **7.** CE versions 800, 1700, 1900, 2300, 2500, 2700 and 3000 lumen packages are not available with Fifth Light (5LTHD) 1% driver option. **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.** Fifth Light (5LTHD) 1% dimming driver is not available with 800 lumen package. **11.** Fifth Light driver (5LTHD) is not available for CE version of 3000 lumen package and two drivers are required for 7000 and 7400 lumen packages. **12.** Fifth Light (5LTD) 10% driver option is not available with 800, 1300, 1700, 1800, 1900, 2300, 2500, 2700, 2800, 3000, 3100, 3300, 3400 and 3500 lumen packages. **13.** Two drivers required for 5LTHD option for 6400 lumens and up. **14.** 347V option not available with 7400 lumen package.

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

Size	Ambient Temperature	TM-21 Lumen Maintenance (100,000 hours)	Theoretical L70 (Hours)
600 x 1200	25°C	> 92%	> 448,000
300 x 1200	25°C	> 92%	> 448,000

Size	Ambient Temperature	TM-21 Lumen Maintenance (100,000 hours)	Theoretical L70 (Hours)
600 x 600	25°C	> 92%	> 448,000
300 x 600	25°C	> 92%	> 130,000

Certification Data						
cULus - Damp Location	CSA	IC Rated	LM79/LM80 Compliant	ROHS Compliant	NOM Compliant	CE

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

Controls Brands
Greengate
Fifth Light

Connected Lighting Systems
HALO Home
WaveLinx

IoT Platform
Trellix

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