



# Cruze Recessed LED Luminaire

**Performance, style, affordability.** The **Cruze™** LED combines contemporary styling and optimal illumination design with the technology of Eaton's Linear LED Platform. Its high performance LED system with advanced light distribution and attractive appearance delivers unprecedented energy savings, comfort and aesthetics all at an affordable price. Cruze offers a perfect balance of form and function making it an ideal choice for commercial office spaces, schools, hospitals, and retail merchandising areas.



**Innovation** you can rely on™






# Cruze Recessed LED Luminaire



## Construction

- Recessed: 2' x 2', 2' x 4' and 1' x 4'
- Shallow depth: 3.25" 
- Tool-less hinged door access
- cULus damp location / IC Rated / RoHS compliant / DLC Qualified
- Sustainable materials
- Five-year warranty


## Performance

- High-performance efficacy up to 157 lumens per watt
- Energy savings in excess of 60% compared to traditional fluorescent troffers
- Four Correlated Color Temperatures (3000K, 3500K, 4000K, 5000K) at typical 85 CRI
- 1' x 4': L84 @ 60,000 hrs.  
2' x 2': L79 @ 60,000 hrs.  
2' x 4': L80 @ 60,000 hrs.
- Binning: Per ANSI, 3-step MacAdam ellipse

## Options

- Fourteen stocked lumen packages in two CCTs  
High Performance Efficacy    Standard Efficacy  
- 2' x 2': 2400 and 3400;    - 2' x 2': 2000, 2400, 3200, 3900 and 4400  
- 2' x 4': 4000 and 5000;    - 2' x 4': 3000, 3500, 4000, 4500 and 5000
- Additional lumen packages offered as MTO
- Four lens options – Ribbed Frosted, Smooth Frosted, Square Perforated and Round Perforated
- Universal (120V-277V) or 347V
- Emergency – EL7W and EL14W
- Surface mount field install kits
- Flex wiring configurations
- Chicago plenum rated version

## Controls

- Cruze can include a factory-installed integrated sensor system for occupancy and daylight dimming control, with programming and manual controls from an optional handheld remote.
- Cruze luminaires include 0-10V dimming drivers for control using wall dimmers (10% - 100%), daylighting sensors and room controllers from Eaton. Optional 1% dimming available.
- Cruze luminaires are available with native DALI drivers for complete digital energy management using  Fifth Light addressable lighting controls.
- Cruze luminaires are available with LumaWatt Pro for a fully integrated sensor system with Internet of Things (IOT) connectivity and configurable software.



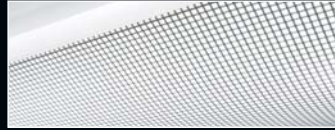
## Lens options



Ribbed Frosted Acrylic Lens



Smooth Frosted Acrylic Lens



Square Pattern Insert



Round Pattern Insert



**Cruze with Sensor**



**Optional Remote Control**

## Cruze luminaires with Integrated Sensor Controls

Get the best of both worlds. Metalux Cruze luminaires with 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.

# 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

Select 2' x 4' Cruze SKUs			Popular fluorescent fixtures			Energy savings
Catalog number	Lumens*	Wattage	Fixture type	Lumens*	Wattage	
24CZ-LD5-75-UNV-L835-CD1-U	7491	69.1	Troffer 432	8402	109.7	-37%
24CZ-LD5-65-UNV-L835-CD1-U	6579	57.6	Troffer 332	6629	81.7	-29%
24CZ-LD5-55-UNV-L835-CD1-U	5504	45.8	Parabolic 332	5646	83.0	-44%
24CZ-LD5-45-UNV-L835-CD1-U	4469	35.7	Indirect Basket 332	4583	83.7	-57%
			Spec Dual Lens 228T5	4576	58.0	-38%
24CZ-LD5-40-UNV-L835-CD1-U	3964	29.0	Troffer 232	4310	52.0	-44%
			Indirect Basket 232	3873	72.0	-59%

Select 2' x 2' Cruze SKUs			Popular fluorescent fixtures			Energy savings
Catalog number	Lumens*	Wattage	Fixture type	Lumens*	Wattage	
22CZ-LD5-44-UNV-L835-CD1-U	4433	41.8	Indirect Basket 2BX40	4324	68.2	-38%
22CZ-LD5-39-UNV-L835-CD1-U	3932	36.4	Troffer 2U6T8	3862	52.1	-30%
22CZ-LD5-29-UNV-L835-CD1-U	2899	23.5	Spec Dual Lens 224	2975	52.0	-54%
			Parabolic 2U6T8	2791	63.1	-62%
22CZ-LD5-24-UNV-L835-CD1-U	2470	19.6	Troffer 317	2601	42.9	-54%
			Parabolic 317	2588	49.1	-60%
			Spec Dual Lens 214	2403	30.0	-35%

\*Lumens listed are delivered lumens.

Eaton's LED technology provides industry leading, energy-efficient performance. Cruze luminaires provide uniform illumination and superior efficacy. Cruze offers four color temperature choices with a wide range of lumen packages to provide best-in-class, breadth of line with efficacy reaching as high as 157<sup>†</sup> lumens per watt.

Cruze 2' x 4' - Stock or MTO**	Catalog logic	Delivered lumens	Watts	Efficacy (lm/W)
MTO	24CZ-LD5-30-UNV-L835-CD1-U	3010	21.6	139
MTO	24CZ-LD5-35-UNV-L835-CD1-U	3494	25.3	138
STOCK	24CZ-LD5-40-UNV-L835-CD1-U	3964	29.0	137
MTO	24CZ-LD5-45-UNV-L835-CD1-U	4469	35.7	125
STOCK	24CZ-LD5-50-UNV-L835-CD1-U	4988	40.7	123
MTO	24CZ-LD5-55-UNV-L835-CD1-U	5504	45.8	120
MTO	24CZ-LD5-60-UNV-L835-CD1-U	6099	52.2	117
MTO	24CZ-LD5-65-UNV-L835-CD1-U	6579	57.6	114
MTO	24CZ-LD5-70-UNV-L835-CD1-U	7084	64.2	110
MTO	24CZ-LD5-75-UNV-L835-CD1-U	7491	69.1	108

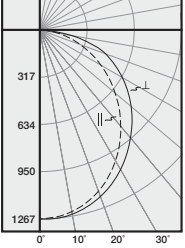
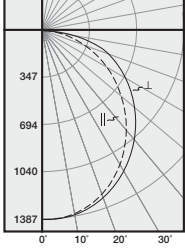
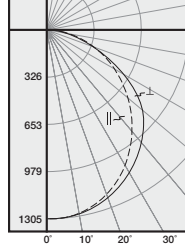
Cruze 2' x 2' - Stock or MTO**	Catalog logic	Delivered lumens	Watts	Efficacy (lm/W)
MTO	22CZ-LD5-20-UNV-L835-CD1-U	2086	16.4	127
STOCK	22CZ-LD5-24-UNV-L835-CD1-U	2470	19.6	126
MTO	22CZ-LD5-29-UNV-L835-CD1-U	2899	23.5	123
STOCK	22CZ-LD5-34-UNV-L835-CD1-U	3497	29.4	119
MTO	22CZ-LD5-39-UNV-L835-CD1-U	3932	36.4	108
MTO	22CZ-LD5-44-UNV-L835-CD1-U	4423	41.8	106

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

<sup>†</sup>157 lumens per watt is associated with a 2' x 4', 5000K version.

**Note:** 3000K, 4000K and 5000K, along with standard efficacy versions performance data is available on product specification sheets and online.

# Photometrics

Cruze 2' x 2', 3400 lumens	Cruze 2' x 4', 4000 lumens	Cruze 1' x 4', 3500 lumens
 <p>Electronic Driver Linear LED 3500K Spacing criterion: (II) 1.17 x mtg height, (L) 1.25 x mtg height Lumens = 3497 Input Watts = 29.4 Efficacy = 118.9 lm/W Test: 22CZ-LD5-34- UNV-L835-CD1-U.IES</p>	 <p>Electronic Driver Linear LED 3500K Spacing criterion: (II) 1.20 x mtg height, (L) 1.26 x mtg height Lumens = 3964 Input Watts = 29.0 Efficacy = 136.7 lm/W Test: 24CZ-LD5-40- UNV-L835-CD1-U.IES</p>	 <p>Electronic Driver Linear LED 3500K Spacing criterion: (II) 1.21 x mtg height, (L) 1.28 x mtg height Lumens = 3590 Input Watts = 31.4 Efficacy = 114.3 lm/W Test: 14CZ-LD5-35- UNV-L835-CD1-U.IES</p>

Size	Ambient temperature	TM-21 lumen maintenance (60,000 hours)	Theoretical L70 (hours)
2' x 4'	25°C	> 80	> 186,000
2' x 2'	25°C	> 79	> 178,000
1' x 4'	25°C	> 84	> 178,000

Certification data				
cULus - Damp Location	IC Rated	LM79/LM80 Compliant	ROHS Compliant	NOM Compliant

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