#### DESCRIPTION

Cruze LED is a premium grade specification lensed troffer series. This innovative, high quality luminaire is dedicated to the latest solid state lighting and driver technology for optimal performance and energy efficiency. The Cruze is compatible with all of today's popular ceiling systems and is available with a number of options and accessories for application versatility.

The Cruze series features efficiency, quality and performance. The series is an excellent choice for commercial office spaces, schools, hospitals or retail merchandising areas.

#### **SPECIFICATION FEATURES**

#### Construction

Rigid housing is die formed of code gauge prime cold rolled steel and features full length die-formed stiffeners and unibody endplate for added strength. Side flanges are hemmed. Innovative design provides superior lens brightness uniformity and visual comfort. Unibody endplates are securely attached with interlocking tabs and screws. Four auxiliary fixture end suspension points provided.

#### Controls

Metalux LED luminaires come standard with 0-10V dimming drivers (1% standard).

Options compatible with Eaton's Connected Lighting Systems:

- WaveLinx sensor
- LumaWatt Pro sensor
- SVPD sensor
- DLVP sensor and driver
- Fifth Light DALI driver

Other options include stepdimming and 3rd party drivers. Refer to the Connected Lighting options page and ordering information for more details.

#### Electrical

Long-Life LED system coupled with electrical driver to deliver optimal performance. LED's available in 3000K, 3500K, 4000K or 5000K with a minimum CRI of 80. Projected life is 60,000 hours at 79% lumen output. cULus listed. Electronic drivers are available for 120-277V and 347V applications.

**Emergency Battery Pack Option** 

Optional 120v-277v integral emergency battery pack is available in 7-watts or 14-watts to meet critical life-safety lighting requirements. The 90-minute batteries provide constant power to the LED system, ensuring codecompliance. A test switch/indicator button can be tested safely from the ground using a laser pointer, while the patented EZ Key prevents accidental discharge of the battery during construction. See ordering information for details.

#### Finish

Multistage, iron phosphate pretreatment ensures maximum bonding and rust inhibition. Housing finished with 90% reflective white enamel for superior performance.

#### Hinging/Latching

Positive cam action steel latches with baked white enamel finish. Safety-lock T-hinges allow hinging and latching either side. Door assembly hinges down for easy access from below.

#### Frame/Sheilding

Die formed, heavy gauge, flat steel door with reinforced mitered corners and painted after fabrication, baked matte white enamel finish. Positive light seals. Acrylic frosted lens.

#### Compliance

Modules are UL recognized components and indoor luminaires are cULus listed for 25°C ambient environments, RoHS compliant, and LED modules comply with IESNA LM-79 and LM-80 standards. DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.

# Warranty

Five year warranty.



22CZ LED

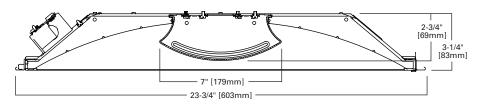
2' X 2' TROFFER LED MODULE

Specification Grade Troffer









#### LAMP CONFIGURATIONS **MOUNTING DATA** X=3" 23-3/4" [603mm] 23-3/4" [603mm] **CEILING COMPATIBILITY** Ceiling Trim Grid/Lay-in Concealed T Slot Grid Type Type Standard Exposed Grid Standard 24" [609mm] Concealed T Standard Slot Grid Standard

# CERTIFICATION DATA

cULus - 1598

Damp Location Listed
IC Rated

LM79/LM80 Compliant
ROHS Compliant

DesignLights Consortium® Qualified
NOM Compliant

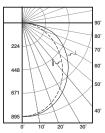
\*See Drywall Frame Kit Accessory in Ordering Information Section



Safe and convenient means of disconnecting power



#### **PHOTOMETRICS**



#### 22CZ-LD5-24-UNV- Candlepower L835-CD1-U

**Electronic Driver** Linear LED 3500K Spacing criterion: (II) 1.17 x mounting height, ( $\perp$ ) 1.25 x mounting height Lumens: 2470 Input Watts: 19.6W Efficacy: 126.0 lm/W

Test Report: 22CZ-LD5-24-UNV-L835-CD1-U.IES

Canu	iepowei		
Angle	Along II	45°	Across $\bot$
0	893	893	893
5	884	890	892
10	866	875	879
15	838	849	857
20	799	815	829
25	753	774	793
30	701	725	750
35	641	670	703
40	577	611	651
45	511	551	602
50	445	492	548
55	379	432	490
60	313	372	434
65	249	311	374
70	186	251	315
75	126	193	231
80	74	122	140
85	30	47	46
90	0	0	0

# Coefficients of Utilization

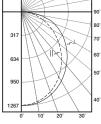
	Effe	ectiv	e floo	or cav	ity ref	ecta	nce	20	%									
rc		8	0%			7	0%			509	%		30%	6		10%	, 0	0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
1 2 3 4	98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

### Zonal Lumen Summary

Zone	Lumens	% Fixture	
0-30	680	27.5	
0-40	1099	44.5	
0-60	1915	77.5	
0-90	2470	100.0	
0-180	2470	100.0	

#### Luminance Data

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	2314	2495	2726
55	2116	2412	2736
65	1887	2357	2834
75	1559	2388	2858
85	1102	1727	1690



#### 22CZ-LD5-34-UNV-L835-CD1-U

**Electronic Driver** Linear LED 3500K Spacing criterion: (II) 1.17 x mounting height, ( $\perp$ ) 1.25 x mounting height Lumens: 3497 Input Watts: 29.4W Efficacy: 118.9 lm/W Test Report: 22CZ-LD5-34-UNV-

L835-CD1-U.IES

#### Candlepower Angle Along II Across $\perp$ 1264 1264 1264 1252 1260 1263 1186 1202 1215 1133 1154 1173 1066 991 1026 1061 906 949 995 816 922 726 782 851 630 697 776 537 612 696 443 527 614 262 356 445 75 178 273 322 85 42 67 64

0

## Coefficients of Utilization

Effe	ectiv	e flo	or cav	ity refl	lecta	nce	20%	6									
	8	0%			7	'0%			509	%		30%	6		10%	0	0%
70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30
56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24
	70 119 108 98 90 82 75 70 65 60 56	119 119 108 104 98 90 79 82 70 56 65 51 60 43	80%           70         50         30           119         119         119           108         104         99           98         90         83           90         79         71           82         70         61           70         56         47           65         51         42           60         47         38           56         43         35	80%           70         50         30         10           119         119         119         119           108         104         99         95           98         90         83         77           90         79         71         64           82         70         61         54           75         62         53         47           70         56         47         41           65         51         42         36           60         47         38         32           56         43         35         29	80%           70         50         30         10         70           119         119         119         116           108         104         99         95         106           98         90         83         77         96           90         79         71         64         87           82         70         61         54         80           75         62         53         47         73           70         56         47         41         68           65         51         42         36         63           60         47         38         32         59           56         43         35         29         55	New         70         50         30         10         70         50           119         119         119         116         116         106         101         108         104         109         110         110         101         108         104         101         101         101         101         108         100         101         108         100         101         108         102         108	70         50         30         10         70         50         30           119         119         119         116         116         116         116         101         97         98         90         93         95         106         101         97         98         90         83         82         90         79         71         64         87         77         70         60         69         60         83         50         46         38         50         46         38         50         46         38         50         46         38         50         46         38         50         46         38         50         46         38         50         46         38         50         46         38         50         46         38         50         46         38         50         43         38         50         46         38         50         46         38         50	80%         70%           70         50         30         10         70         50         30         10           119         119         116         116         116         116         116           108         104         99         95         106         101         97         94           98         90         83         77         96         88         82         76           90         79         71         64         87         77         06         54           82         70         61         54         80         69         60         54           75         62         53         47         73         61         53         46           70         56         47         41         68         55         47         41           65         51         42         36         63         50         42         36           60         47         38         32         59         46         38         32           56         43         35         29         55         42         34         29	Name	No.   No.		No.   No.	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Note	The column   Th		

#### Zonal Lumen Summary

Zone	Lumens	% Fixture
0-30	962	27.5
0-40	1557	44.5
0-60	2711	77.5
0-90	3497	100.0
0-180	3497	100.0

#### Luminance Data

90

Angle in Deg	Average 0-Deg cd/sm	Average 45-Deg cd/sm	Average 90-Deg cd/sm
45	3288	3542	3854
55	2998	3417	3886
65	2660	3327	4009
75	2202	3378	3984
85	1543	2462	2352

# **LUMEN MAINTENANCE**

Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours)	Theoretical L70 (Hours)
25°C	> 79%	> 178,000

# 90 CRI

Lumen Adjustmen	t Factors 80->90 CRI
3000K	0.88
3500K	0.861
4000K	0.865
5000K	0.87

## **Example of Lumen** Adjustment Calculation

22CZ-LD5-34-UNV-L935-CD1-U at 90CRI at 3500K

Lumen Adjustment Factor = 0.861

Total Light Output =  $3,497 \text{ Im } \times 0.861 = 3,010 \text{ Im}$ 

Efficacy =  $\frac{3,010 \text{ Im}}{29.4 \text{ W}}$  = 102.3 Im/W

Stock or MTO*	Catalog Logic (Ribbed Lens)	Delivered Lumens	Watts	Efficacy (Im/W)
МТО	22CZ-LD5-20-UNV-L830-CD1-U	1964	16.4	120
МТО	22CZ-LD5-20-UNV-L835-CD1-U	2086	16.4	127
МТО	22CZ-LD5-20-UNV-L840-CD1-U	2128	16.4	130
МТО	22CZ-LD5-20-UNV-L850-CD1-U	2302	16.4	141
МТО	22CZ-LD5-24-UNV-L830-CD1-U	2325	19.6	119
Stock	22CZ-LD5-24-UNV-L835-CD1-U	2470	19.6	126
Stock	22CZ-LD5-24-UNV-L840-CD1-U	2519	19.6	128
МТО	22CZ-LD5-24-UNV-L850-CD1-U	2725	19.6	139
МТО	22CZ-LD5-29-UNV-L830-CD1-U	2729	23.5	116
МТО	22CZ-LD5-29-UNV-L835-CD1-U	2899	23.5	123
МТО	22CZ-LD5-29-UNV-L840-CD1-U	2957	23.5	126
МТО	22CZ-LD5-29-UNV-L850-CD1-U	3199	23.5	136
МТО	22CZ-LD5-34-UNV-L830-CD1-U	3292	29.4	112
Stock	22CZ-LD5-34-UNV-L835-CD1-U	3497	29.4	119
Stock	22CZ-LD5-34-UNV-L840-CD1-U	3567	29.4	121
MTO	22CZ-LD5-34-UNV-L850-CD1-U	3858	29.4	131
МТО	22CZ-LD5-39-UNV-L830-CD1-U	3701	36.4	102
MTO	22CZ-LD5-39-UNV-L835-CD1-U	3932	36.4	108
MTO	22CZ-LD5-39-UNV-L840-CD1-U	4011	36.4	110
MTO	22CZ-LD5-39-UNV-L850-CD1-U	4338	36.4	119
MTO	22CZ-LD5-44-UNV-L830-CD1-U	4173	41.8	100
MTO	22CZ-LD5-44-UNV-L835-CD1-U	4433	41.8	106
MTO	22CZ-LD5-44-UNV-L840-CD1-U	4522	41.8	108
МТО	22CZ-LD5-44-UNV-L850-CD1-U	4891	41.8	117

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

Stock or MTO*	Catalog Logic (Smooth Lens)	Delivered Lumens	Watts	Efficacy (Im/W)
MTO	22CZ-LD5-20-S-UNV-L830-CD1-U	2003	16.4	122
MTO	22CZ-LD5-20-S-UNV-L835-CD1-U	2128	16.4	130
MTO	22CZ-LD5-20-S-UNV-L840-CD1-U	2170	16.4	132
MTO	22CZ-LD5-20-S-UNV-L850-CD1-U	2348	16.4	143
MTO	22CZ-LD5-24-S-UNV-L830-CD1-U	2372	19.6	121
MTO	22CZ-LD5-24-S-UNV-L835-CD1-U	2519	19.6	128
MTO	22CZ-LD5-24-S-UNV-L840-CD1-U	2570	19.6	131
MTO	22CZ-LD5-24-S-UNV-L850-CD1-U	2780	19.6	142
MTO	22CZ-LD5-29-S-UNV-L830-CD1-U	2784	23.5	118
MTO	22CZ-LD5-29-S-UNV-L835-CD1-U	2957	23.5	126
MTO	22CZ-LD5-29-S-UNV-L840-CD1-U	3016	23.5	128
MTO	22CZ-LD5-29-S-UNV-L850-CD1-U	3263	23.5	139
MTO	22CZ-LD5-34-S-UNV-L830-CD1-U	3358	29.4	114
MTO	22CZ-LD5-34-S-UNV-L835-CD1-U	3567	29.4	121
МТО	22CZ-LD5-34-S-UNV-L840-CD1-U	3638	29.4	124
MTO	22CZ-LD5-34-S-UNV-L850-CD1-U	3936	29.4	134
MTO	22CZ-LD5-39-S-UNV-L830-CD1-U	3775	36.4	104
MTO	22CZ-LD5-39-S-UNV-L835-CD1-U	4011	36.4	110
MTO	22CZ-LD5-39-S-UNV-L840-CD1-U	4091	36.4	112
МТО	22CZ-LD5-39-S-UNV-L850-CD1-U	4425	36.4	122
МТО	22CZ-LD5-44-S-UNV-L830-CD1-U	4256	41.8	102
МТО	22CZ-LD5-44-S-UNV-L835-CD1-U	4522	41.8	108
MTO	22CZ-LD5-44-S-UNV-L840-CD1-U	4612	41.8	110
MTO	22CZ-LD5-44-S-UNV-L850-CD1-U	4989	41.8	119

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

# Standard Efficacy Versions

Standard Efficacy versions								
Stock or MTO*	Catalog Logic (Ribbed Lens)	Delivered Lumens	Watts	Efficacy (Im/W)				
МТО	22CZ-LD5-20SE-UNV-L830-CD1-U	1948	17.2	113				
STOCK	22CZ-LD5-20SE-UNV-L835-CD1-U	2069	17.2	120				
STOCK	22CZ-LD5-20SE-UNV-L840-CD1-U	2110	17.2	123				
МТО	22CZ-LD5-20SE-UNV-L850-CD1-U	2283	17.2	133				
МТО	22CZ-LD5-24SE-UNV-L830-CD1-U	2322	21.1	110				
STOCK	22CZ-LD5-24SE-UNV-L835-CD1-U	2467	21.1	117				
STOCK	22CZ-LD5-24SE-UNV-L840-CD1-U	2516	21.1	119				
МТО	22CZ-LD5-24SE-UNV-L850-CD1-U	2722	21.1	129				
МТО	22CZ-LD5-32SE-UNV-L830-CD1-U	3015	30.5	99				
STOCK	22CZ-LD5-32SE-UNV-L835-CD1-U	3203	30.5	105				
STOCK	22CZ-LD5-32SE-UNV-L840-CD1-U	3267	30.5	107				
МТО	22CZ-LD5-32SE-UNV-L850-CD1-U	3534	30.5	116				
МТО	22CZ-LD5-39SE-UNV-L830-CD1-U	3728	34.9	107				
STOCK	22CZ-LD5-39SE-UNV-L835-CD1-U	3960	34.9	114				
STOCK	22CZ-LD5-39SE-UNV-L840-CD1-U	4039	34.9	116				
МТО	22CZ-LD5-39SE-UNV-L850-CD1-U	4369	34.9	125				
МТО	22CZ-LD5-44SE-UNV-L830-CD1-U	4118	40.0	103				
STOCK	22CZ-LD5-44SE-UNV-L835-CD1-U	4375	40.0	109				
STOCK	22CZ-LD5-44SE-UNV-L840-CD1-U	4463	40.0	112				
МТО	22CZ-LD5-44SE-UNV-L850-CD1-U	4827	40.0	121				

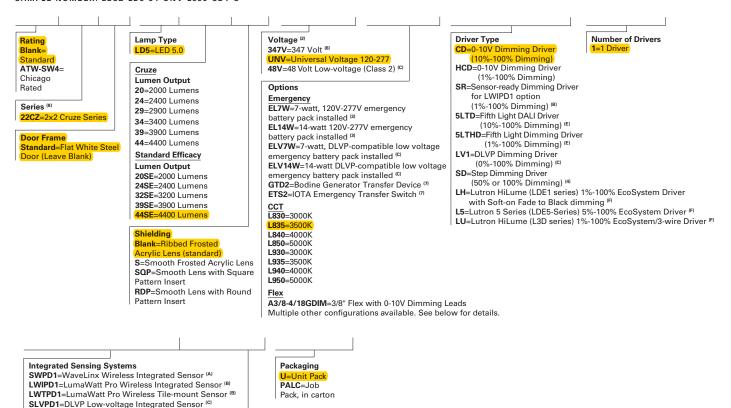
<sup>\*</sup>Made to order (MTO) requires a typical three week lead time.

# **Standard Efficacy Versions**

Stock or MTO*	Catalog Logic (Smooth Lens)	Delivered Lumens	Watts	Efficacy (Im/W)
МТО	22CZ-LD5-20SE-S-UNV-L830-CD1-U	1987	17.2	115
МТО	22CZ-LD5-20SE-S-UNV-L835-CD1-U	2110	17.2	123
МТО	22CZ-LD5-20SE-S-UNV-L840-CD1-U	2153	17.2	125
МТО	22CZ-LD5-20SE-S-UNV-L850-CD1-U	2328	17.2	135
МТО	22CZ-LD5-24SE-S-UNV-L830-CD1-U	2369	21.1	112
МТО	22CZ-LD5-24SE-S-UNV-L835-CD1-U	2516	21.1	119
МТО	22CZ-LD5-24SE-S-UNV-L840-CD1-U	2567	21.1	122
МТО	22CZ-LD5-24SE-S-UNV-L850-CD1-U	2776	21.1	132
МТО	22CZ-LD5-32SE-S-UNV-L830-CD1-U	3075	30.5	101
МТО	22CZ-LD5-32SE-S-UNV-L835-CD1-U	3267	30.5	107
МТО	22CZ-LD5-32SE-S-UNV-L840-CD1-U	3332	30.5	109
MTO	22CZ-LD5-32SE-S-UNV-L850-CD1-U	3605	30.5	118
МТО	22CZ-LD5-39SE-S-UNV-L830-CD1-U	3802	34.9	109
МТО	22CZ-LD5-39SE-S-UNV-L835-CD1-U	4039	34.9	116
МТО	22CZ-LD5-39SE-S-UNV-L840-CD1-U	4120	34.9	118
МТО	22CZ-LD5-39SE-S-UNV-L850-CD1-U	4457	34.9	128
МТО	22CZ-LD5-44SE-S-UNV-L830-CD1-U	4201	40.0	105
МТО	22CZ-LD5-44SE-S-UNV-L835-CD1-U	4463	40.0	112
МТО	22CZ-LD5-44SE-S-UNV-L840-CD1-U	4552	40.0	114
МТО	22CZ-LD5-44SE-S-UNV-L850-CD1-U	4924	40.0	123

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

#### SAMPLE NUMBER: 22CZ-LD5-34-UNV-L835-CD1-U



NOTES: (1) An EQ Grid Clip is recommended for all 9/16" ceiling systems. Four required per fixture. (2) Products also available in non-US voltages and frequencies for international markets. (8) With integral test NOTES: "An EQ Grid Clip is recommended for all 9/16" ceiling systems. Four required per fixture. "Products also available in non-US voltages and frequencies for international markets." With integral test switch/indicator/laser test. For approximate delivered lumens multiply the lumens per wat of the desired fixture by the wattage of the emergency battery pack (100 ImWX x 7=700 Immens). IES-format photometry for luminaire under emergency operation available. (4) Step dim driver option is not available with 2000, 2400, 2900 and 3400 lumen packages and 2000SE, 2400SE and 3200SE versions. (5) Provides blank band on opposite side from sensor band to provide symmetric appearance. (4) 471V versions are not available with emergency options. SD, 5LTD, and SR drivers with 347V are available but not DLC qualified. (7) Used to trifixture to secondary power source for life-safety operation. When used with a dimming fixture, two devices are required to ensure control is disabled while operating under emergency power. (8) DesignLights Consortium(8) Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.

EQ-CLIP-U=T-BAR Safety Earthquake Clips (1)

SK-22-WS=2' x 2' Shallow Surface Mount Kit SK-22-WT=2' x 2' Tall Surface Mount Kit

DF10P-C\_=Decorator Dimmer, 0-10V (CD and HCD drivers only)

SF10P-\_=Decorator Slide Dimmer, 0-10V (CD and HCD drivers only) ISHH-01=Programming Remote for Integrated Sensor ISHH-02=Personal Control Remote for Integrated Sensor (D)

DF-22-W=2' x 2' Drywall Frame Kit

ACCESSORIES

# Integrated Sensing and Control System Options

SVPD1=0-10V Stand-alone Integrated Sensor (D)

**Sensor Accessories** 

DV=Dual Band (5)

NOTEs: Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (A) Consult WaveLinx system pages for additional details and compatibility. (B) Consult LumaWatt Pro system pages for additional details and compatibility. (B) Consult May be a compatibility. (B) Consult SVPD series system pages for additional details and compatibility. (B) Consult Fith Light system pages for additional details and compatibility. (B) Consult Fith Light system pages for additional details and compatibility. (B) Consult Fith Light system pages for additional details and compatibility. (B) Consult Fith Light system pages for additional details and compatibility. (B) Consult Marketplace Options - Lutron system pages for additional details and compatibility. (B) Consult Marketplace Options - Lutron system pages for additional details and compatibility. (B) Consult Marketplace Options - Lutron system pages for additional details and compatibility. (B) Consult Marketplace Options - Lutron system pages for additional details and compatibility. (B) Consult Marketplace Options - Lutron system pages for additional details and compatibility. (B) Consult Marketplace Options - Lutron system pages for additional details and compatibility. (B) Consult Marketplace Options - Lutron system pages for additional details and compatibility. (B) Consult Marketplace Options - Lutron system pages for additional details and compatibility. (B) Consult Marketplace Options - Lutron system pages for additional details and compatibility. (B) Consult Marketplace Options - Lutron system pages for additional details and compatibility. (B) Consult Marketplace Options - Lutron system pages for additional details and compatibility. (B) Consult Marketplace Options - Lutron system pages for additional details and compatibility. (B) Consult Marketplace Options - Lutron system pages for additional details and compatibility. (B) Consult Marketplace Options - Lutron s

## Flexible Metal Conduit Options

Flex options available for 0-10V dimming control, DALI dimming control, emergency and night light functions. 72-inch factory-installed and pre-wired to driver, fitted to luminaire housing access plate with 90° enclosed FMC

Depoiss available for 60 to mining of comming of comming of the control of the connector. Not all options may be combined and installation ratings vary by type.

A3/8-4/18GDIM series notes: Factory installed dimming option 3/8" flexible metal conduit with 2-#18 power and ground wires and 2-#18 U.-listed jacketed 0-10V +/- control wires. Meets UL 66, 83, 1479, 1569, 1581, 2556.

NEC® 250.118, 300.22(C), 392, 396, 330, 501, 502, 503, 530, 504, 505, 518, 520, 530, 645, 72; Federal Specification A-A-59544 (formerly J-C-30B); all applicable OSHA and HUD Requirements. UL Classified 1-, 2-, and 3-hour through penetration with applicable fire stop product (not included). May be surface mounted, fished and/or embedded in plaster. Cable tray and approved raceway rated, install per NEC®; Environmental Air-Handling Space Installation per NEC® 300.22(C).

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

Connected Systems

**CLICK HERE** 

# SHIPPING DATA

Catalog No.	Wt.
22CZ-LD5-27	12.5 lbs.
22CZ-LD5-36	12.5 lbs.

The Cruze 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 Cruze 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 Cruze 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.

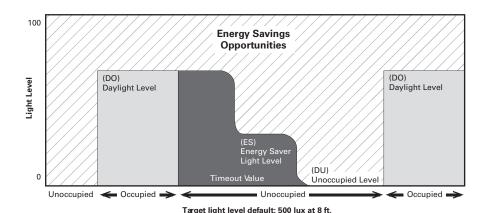
Occupied daylight light levels and unoccupied light levels can be adjusted using the integrated sensor programming remote (Catalog Number: ISHH-01). The integrated sensor personal remote (Catalog Number: ISHH-02) provides code compliant manual raise, lower, ON, OFF control.

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

# n.

### 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

Top View

Q

4m

Coverage

[12 ft.]

[12 ft.] Major Motion

3.3m [10 ft.] 0m 4m [12 ft.] [12 ft.] Reccomended Mounting Height 8–12 ft.



