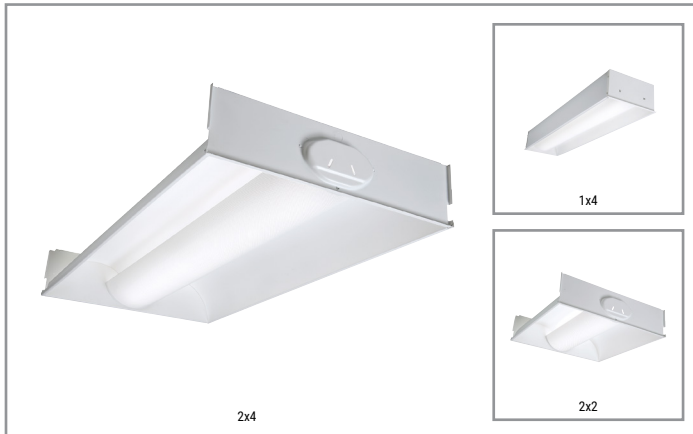


Project		Catalog #		Type	
Prepared by		Notes		Date	



Metalux

Ovation RDI LED

Specification Grade LED Troffer
1x4 / 2x2 / 2x4

Typical Applications

Office • Education • Healthcare • Retail

Product Certification



Product Features



Interactive Menu

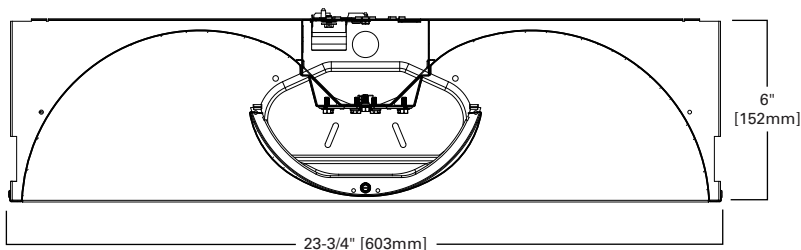
- Order Information [page 2](#)
- Photometric Data [page 3](#)
- Energy and Performance Data [page 4](#)
- Product Warranty

Top Product Features

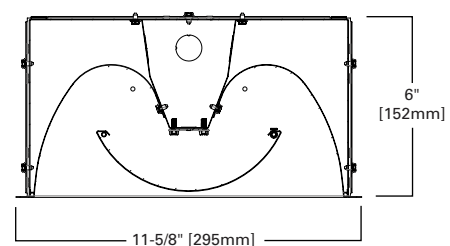
- Clean architectural appearance
- Optimal performance and energy efficient
- High performance efficacy up to 109 lumens per watt
- Over 60% energy savings when compared to fluorescent troffers
- Options to meet Build America, Buy America, Buy American and other domestic preference requirements

Dimensional and Mounting Details

2x2 / 2x4



1x4



Ceiling Compatibility

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

Order Information

SAMPLE ORDER NUMBER: **24RDI-30-UNV-L835-CD1-U**

Domestic Preferences ⁽¹⁾	Rating	Series	Air	Lumen Output	Shielding	Voltage ⁽⁵⁾	Emergency Options
[Blank] =Standard BAA =Buy American Act TAA =Trade Agreements Act BABAF =FHWA and FTA projects funded through October 1, 2026	[Blank] =Standard ATW-SW4 = Chicago Rated ⁽²⁾	24RDI =2x4 Ovation Series (Recessed Direct/Indirect) 22RDI =2x2 Ovation Series (Recessed Direct/Indirect) 14RDI =1x4 Ovation Series (Recessed Direct/Indirect)	[Blank] =Standard A =Air (Vented) ^{(3),(4)}	2x4 30 =3000 Lumens 40 =4000 Lumens 50 =5000 Lumens 2x2 20 =2000 Lumens 30 =3000 Lumens 40 =4000 Lumens 1x4 18 =1800 Lumens 25 =2500 Lumens	[Blank] =Metal Perforated Lens (standard)	347V =347 Volt ⁽⁶⁾ UNV =Universal Voltage 120-277 120V =120 Volt ⁽⁷⁾ 277V =277 Volt ⁽⁷⁾	EL7W =7-watt 120V-277V emergency battery pack ⁽⁸⁾ EL10W =10-watt 120V-277V emergency battery pack ⁽⁸⁾ EL14W =14-watt 120V-277V emergency battery pack ⁽⁸⁾ EL10WSD =10W emergency battery pack with self-diagnostic installed ^{(8),(10)} EL14WSD =14W emergency battery pack with self-diagnostic installed ^{(8),(10)} ETRD = 120-277V Emergency Transfer Relay with dimming control ⁽⁹⁾
Notes (1) Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA), Trade Agreements Act of 1979 (TAA), or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. BABAF designates the product will meet the standards set for FHWA and FTA. As noted, these must be funded by October 1, 2026. Please refer to DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.	Notes (2) Chicago rated and air vented cannot be ordered in combination with each other.		Notes (3) Air version is vented but does not meet air handling requirements. (4) Chicago rated and air vented cannot be ordered in combination with each other.			Notes (5) Products also available in non-US voltages and frequencies for international markets. (6) 347V versions are not available with emergency options. SD, 5LTD, not available. (7) Must specify voltage as 120V or 277V when ordering GTR2 option.	Notes (8) 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. (9) Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). ETRD option only requires one relay when used on a dimming fixture. (10) EL10WSD and EL14WSD not available with 347V.

CCT	Flex	Driver Type	Number of Drivers
L830 =3000K L835 =3500K L840 =4000K L850 =5000K	A3/8-4/18GDIM =3/8" Flex with 0-10V Dimming Leads See below for details. A3/8-5/18GDIM =Flex with 0-10V Dimming leads and Blue for alternate wiring. See below for details.	CD =0-10V Dimming Driver (1%-100% Dimming) SD =Step Dimming Driver (50% or 100% Dimming) 5LTD =Fifth Light DALI Driver (10%-100% Dimming) ⁽⁸⁾	1=1 Driver
	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 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 UL-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).	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: (B) Consult Fifth Light system pages for additional details and compatibility.	

Integrated Sensing Systems	Packaging	Accessories (order separately) ⁽¹³⁾
[Blank] =No Sensor LWTPD1 =Enlighted Wireless Tile-mount Sensor ^{(11),(A)}	U =Unit Pack PALC =Job Pack, in carton	EQ-CLIP-U =T-BAR Safety Earthquake Clips ⁽¹²⁾ DF-24W-U =2' x 4' Drywall Frame Kit DF-22W-U =2' x 2' Drywall Frame Kit DF-14W-U =1' x 4' Drywall Frame Kit SK-24-WT =2' x 4' Tall Surface Mount Kit SK-22-WT =2' x 2' Tall Surface Mount Kit SK-14-WT =1' x 4' Tall Surface Mount Kit
Notes (11) Tilemount sensor can be installed in adjacent ceiling up to 1/2" thickness. 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 Enlighted system pages for additional details and compatibility.		Notes (12) An EQ Grid Clip is recommended for all 9/16" ceiling systems. Four required per fixture. (13) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

Product Specifications

Construction

- Nominal 6" deep housing die-formed, code gauge cold rolled steel
- Heavy gauge end plates are securely attached with screws for strength and rigidity and the elimination of gaps
- Four auxiliary fixture end suspension points provided

Integrated Controls

- 0-10V dimming to 1% standard
- Enlighted sensor compatible for IoT capability
- Fifth Light DALI driver, step-dimming and 3rd party drivers available

Electrical

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

Emergency Battery Options

- 120V-277V integral emergency battery pack comes in 7-watts, 10-watt, or 14-watts
- Self-diagnostic emergency battery available in 10 or 14-watts (NFPA 101@ Life Safety Code®)
- Constant power to the LED system for controlled, predictable discharge
- Integrated test switch/indicator light visible from floor
- Min. 90-minute backup period for code compliance
- Integral emergency transfer relay available for generator equipped power systems

Reflectors

- Indirect reflector has high reflectance baked matte white enamel finish for luminous uniformity
- Positively retained direct lamp shield is constructed of heavy gauge perforated steel with high reflectance painted after fabrication finish and milky white overlay diffuser for visual comfort
- All reflectors are precision formed in a computer-controlled operation

Compliance

- Modules are UL recognized components
- Indoor luminaires are cULus listed for 25°C ambient environments
- Complies with IESNA LM-79
- LEDs compliant with LM-80 standards

BABA Domestic Preference Compliance

- FHWA and FTA agencies are utilizing their BAA rules for BABA compliance. Cooper's products with a BAA designation are manufactured in the US and utilize a BAA COTS exemption rule for compliance. To verify a configured product with specific accessories and options meet BABA Domestic Preference Requirements; submit this catalog number to Cooper Lighting Quotation team for validation by our Engineering and Manufacturing teams. Please refer to the [DOMESTIC PREFERENCES](#) website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements.

Warranty

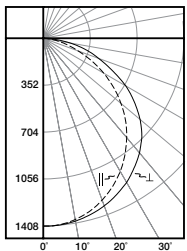
- Five-year warranty standard

Finish

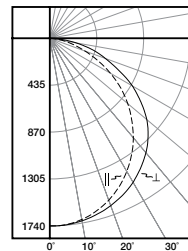
- Multistage, iron phosphate pretreatment
- White enamel finish to ensure maximum bonding and rust inhibition

Photometric Data

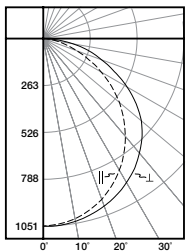
 [View IES files](#)



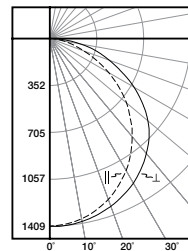
24RDI-40-UNV-L835-CD1-U
 Electronic Driver
 Linear LED 3500K
 Spacing criterion: (II) 1.22 x mounting height,
 (⊥) 1.32 x mounting height
 Lumens: 4097
 Input Watts: 39.6W
 Efficacy: 103.5 LPW
 Test Report: 24RDI-LD5-40RP-UNV-L835-CD1-U.IES



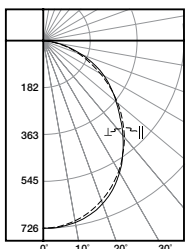
24RDI-50-UNV-L835-CD1-U
 Electronic Driver
 Linear LED 3500K
 Spacing criterion: (II) 1.22 x mounting height,
 (⊥) 1.32 x mounting height
 Lumens: 5068
 Input Watts: 50.3W
 Efficacy: 100.7 LPW
 Test Report: 24RDI-50-UNV-L835-CD1-U.IES



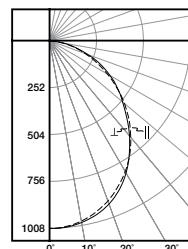
22RDI-30-UNV-L840-CD1-U
 Electronic Driver
 Linear LED 4000K
 Spacing criterion: (II) 1.21 x mounting height,
 (⊥) 1.32 x mounting height
 Lumens: 3037
 Input Watts: 29.9W
 Efficacy: 101.6 LPW
 Test Report: 22RDI-LD5-30-UNV-L840-CD1-U.IES



22RDI-40-UNV-L835-CD1-U
 Electronic Driver
 Linear LED 3500K
 Spacing criterion: (II) 1.22 x mounting height,
 (⊥) 1.32 x mounting height
 Lumens: 4076
 Input Watts: 41.8W
 Efficacy: 97.5 LPW
 Test Report: 22RDI-40-UNV-L835-CD1-U.IES



14RDI-18-UNV-L835-CD1-U
 Electronic Driver
 Linear LED 3500K
 Spacing criterion: (II) 1.2 x mounting height,
 (⊥) 1.21 x mounting height
 Lumens: 1831
 Input Watts: 17.4W
 Efficacy: 105.3 LPW
 Test Report: 14RDI-18-UNV-L835-CD1-U.IES

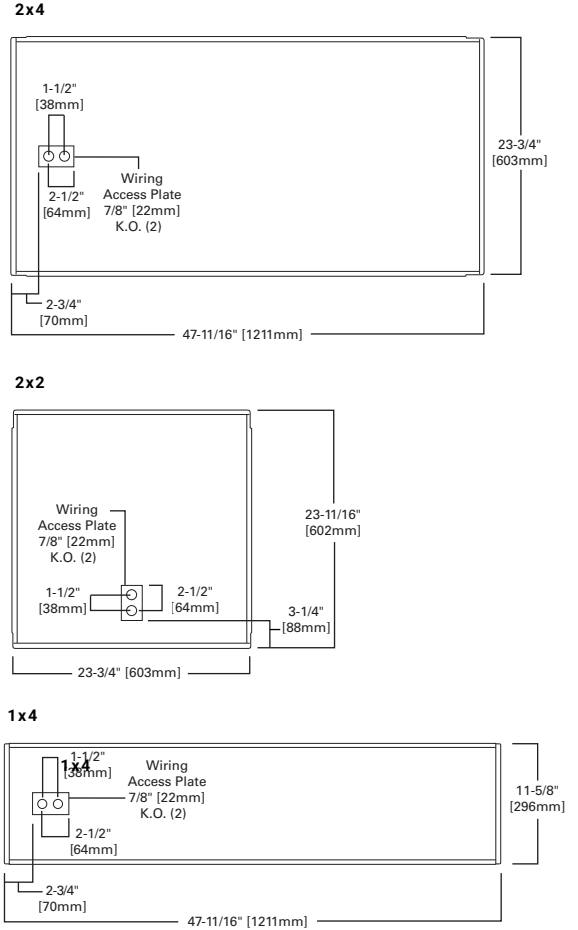


14RDI-25-UNV-L835-CD1-U
 Electronic Driver
 Linear LED 3500K
 Spacing criterion: (II) 1.2 x mounting height,
 (⊥) 1.21 x mounting height
 Lumens: 2543
 Input Watts: 24.1W
 Efficacy: 105.5 LPW
 Test Report: 14RDI-25-UNV-L835-CD1-U.IES

Energy and Performance Data

Size	Stock or MTO	Catalog Logic (Curved)	Delivered Lumens	Watts	Efficacy (LPW)
2X4	MTO	24RDI-30-UNV-L830-CD1-U	3010	28.7	104
	MTO	24RDI-30-UNV-L835-CD1-U	3071	28.7	107
	MTO	24RDI-30-UNV-L840-CD1-U	3132	28.7	109
	MTO	24RDI-30-UNV-L850-CD1-U	3225	28.7	112
	MTO	24RDI-40-UNV-L830-CD1-U	4015	39.6	101
	Stock	24RDI-40-UNV-L835-CD1-U	4097	39.6	103
	Stock	24RDI-40-UNV-L840-CD1-U	4179	39.6	105
	MTO	24RDI-40-UNV-L850-CD1-U	4302	39.6	108
	MTO	24RDI-50-UNV-L830-CD1-U	4966	50.3	98
	MTO	24RDI-50-UNV-L835-CD1-U	5067	50.3	100
	MTO	24RDI-50-UNV-L840-CD1-U	5168	50.3	102
	MTO	24RDI-50-UNV-L850-CD1-U	5320	50.3	105
2X2	MTO	22RDI-20-UNV-L830-CD1-U	1945	19.9	97
	MTO	22RDI-20-UNV-L835-CD1-U	2026	19.9	101
	MTO	22RDI-20-UNV-L840-CD1-U	2026	19.9	101
	MTO	22RDI-20-UNV-L850-CD1-U	2107	19.9	105
	MTO	22RDI-30-UNV-L830-CD1-U	2911	30.1	96
	Stock	22RDI-30-UNV-L835-CD1-U	3032	30.1	100
	Stock	22RDI-30-UNV-L840-CD1-U	3032	30.1	100
	MTO	22RDI-30-UNV-L850-CD1-U	3153	30.1	104
	MTO	22RDI-40-UNV-L830-CD1-U	3913	41.8	93
	MTO	22RDI-40-UNV-L835-CD1-U	4076	41.8	97
	MTO	22RDI-40-UNV-L840-CD1-U	4076	41.8	97
	MTO	22RDI-40-UNV-L850-CD1-U	4239	41.8	101
1X4	MTO	14RDI-18-UNV-L830-CD1-U	1758	17.4	101
	MTO	14RDI-18-UNV-L835-CD1-U	1831	17.4	105
	MTO	14RDI-18-UNV-L840-CD1-U	1831	17.4	105
	MTO	14RDI-18-UNV-L850-CD1-U	1904	17.4	109
	MTO	14RDI-25-UNV-L830-CD1-U	2441	24.1	101
	MTO	14RDI-25-UNV-L835-CD1-U	2543	24.1	105
	MTO	14RDI-25-UNV-L840-CD1-U	2543	24.1	105
	MTO	14RDI-25-UNV-L850-CD1-U	2645	24.1	109

Dimensional and Mounting Details



Lumen Maintenance

Size	Ambient Temperature	TM-21 Lumen Maintenance (60,000 hours) ⁽¹⁾	Theoretical L70 (Hours) ⁽²⁾
2x4	25°C	> 89%	> 60,000
2x2	25°C	> 90%	> 60,000
1x4	25°C	> 91%	> 60,000

Notes: (1) Supported by IES TM-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 IES TM-21 and LM-80.

Shipping Data

Size	Catalog No.	Wt.
2' x 4'	24RDI	30 lbs.
2' x 2'	22RDI	19 lbs.
1' x 4'	14RDI	18 lbs.

Control Systems

- Enlighted



Connected Systems
[CLICK HERE](#)