

Project		Catalog #		Type	
Prepared by		Notes		Date	



# Metalux

## 14RTC

1' x 4' LED Troffer  
General Recessed LED Troffer  
For Use in Insulated Ceilings

### Typical Applications

- Commercial Office Spaces • Schools • Healthcare
- Retail Merchandising Areas

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### Product Certification



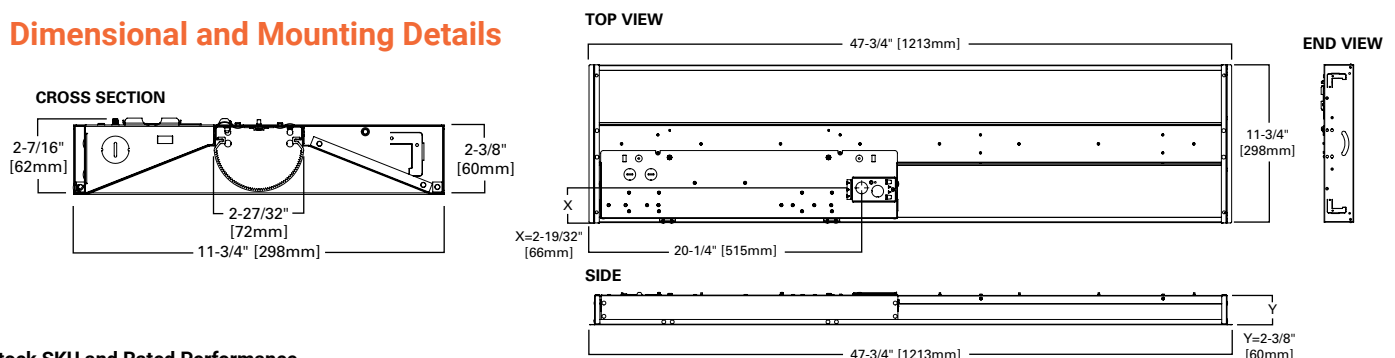
### Product Features



### Top Product Features

- Shallow plenum - under 2.5" deep RTC fits the most challenging spaces
- Standard and high lumen models up to 7000 lumens
- Up to 133 lumens per watt delivering up to 56% energy savings
- Stock and MTO SKU available in 3500K and 4000K
- UNV driver and 0-10V dimming standard

### Dimensional and Mounting Details



### Stock SKU and Rated Performance

Catalog Number	UPC	CRI (Min)	CCT	Delivered Nominal Lumens *	Watts **	Efficacy (lm/W)	Input current (A)	
							120V	277V
14RTC3435	080083802562	80	3500K	3571	28.2	127	0.25	0.11
14RTC3440	080083802579	80	4000K	3643	27.7	131		

\* Lumens without sensor. Reduce lumens by 2% with sensors installed.

\*\* Watts of standard 0-10V product.

## Order Information

SAMPLE ORDER NUMBER: **14RTC-34-UNV-EL14W-L835-HCD-SWPD1-U**

Size	Series	Lumen	Voltage	Options	Emergency	Factory Wiring
14=1' x 4'	<b>RTC</b> =Recessed Center Lensed Troffer	<b>34</b> =3400 Lumens	<b>UNV</b> =Universal Voltage 120-277 <b>347</b> =347 Volt <b>120V</b> =120 Volt <sup>(8)</sup> <b>277V</b> =277 Volt <sup>(8)</sup>	<b>GL</b> =Single Element Fuse <b>GM</b> =Double Element Fuse	<b>EL7W</b> =7-watt, 120V-277V emergency battery pack installed <sup>(3)</sup> <b>EL14W</b> =14-watt 120V-277V emergency battery pack installed <sup>(3)</sup> <b>GTR2</b> =Bodine Generator Transfer Relay <sup>(4),(8)</sup> <b>ETRD</b> =Emergency Transfer Relay with dimming control <sup>(4)</sup>	<b>[Blank]</b> =No Flex <b>A3/8-4/18GDIM</b> =3/8" Flex with 0-10V Dimming Leads <b>A3/8-2/18G</b> =3/8" Flex with line and common <b>A3/8-5/18GDIM</b> =Flex with 0-10V Dimming leads and Blue for alternate wiring See below for details.
	<b>Notes</b> (1) DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.	<b>Notes</b> (2) Nominal lumen output. See table for actual values.	<b>Notes</b> (8) Must specify voltage as 120V or 277V when ordering GTR2 option.		<b>Notes</b> (3) 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). (4) Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). GTR2 option includes 2 relays on fixtures with dimming drivers. ETRD option only requires one relay when used on a dimming fixture. (8) Must specify voltage as 120V or 277V when ordering GTR2 option.	<b>Flexible Metal Conduit Options</b> 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. <b>A3/8-4/18GDIM series notes:</b> 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).

CRI/CCT	Driver Type	Sensor	Packaging	Accessories
<b>L835-80</b> CRI/3500K <b>L840-80</b> CRI/4000K	<b>CD</b> =0-10V Dimming Driver (10% - 100% Dimming) <b>HCD</b> =0-10V Dimming Driver (1% - 100% Dimming) <b>SR</b> =Sensor Ready (5% - 100% Dimming) <b>L5</b> =Lutron 5 Series (LDE5) <sup>(6)</sup> <b>LH</b> =Lutron with Soft On, Fade to Black (LDE1) <sup>(6)</sup>	<b>[Blank]</b> =No Sensor <b>WAA</b> =WaveLinX Wireless Integrated Sensor <sup>(A)</sup> <b>SVPD1</b> =0-10V Stand-alone Integrated Sensor <sup>(B)</sup>	<b>U</b> =Unit carton <b>PALC</b> =Palletized with carton	<b>RTCEQ</b> =EQ Grid Clip <sup>(6),(7)</sup> <b>DF-14W-U</b> =1' x 4' Drywall Frame Kit <b>SK-14-WT</b> =1' x 4' Tall Surface Mount Kit <b>ISHH-01</b> =Programming Remote for SVPD1 Integrated Sensor <b>ISHH-02</b> =Personal Control Remote for SVPD1 Integrated Sensor <b>14RTCRLENS</b> =1' x 4' Replacement Lens (full) <b>14RTCRLENSLOT</b> =1' x 4' Replacement Lens (with sensor)
	<b>Notes</b> (5) Refer to Lutron supplement (PS519148EN) on website. Must use UNV voltage option.	<b>Notes</b> 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 SVPD series system pages for additional details and compatibility.		<b>Notes</b> (6) An EQ Grid Clip is recommended for all 9/16" ceiling systems. (7) Order one set for every fixture (4 clips per kit).

## Product Specifications

### Construction

- 2-1/2" housing constructed of die-formed, code gauge cold rolled steel
- Full length die-formed stiffeners and unibody endplate for added strength
- Four auxiliary fixture end suspension points provided
- Wireway cover removable without tools
- Endplates provided with Grid-Lock feature for safety

### Integrated Controls

- 0-10V dimming to 10% standard
- Optional 1% dimming is available
- WaveLinX wireless sensor compatible for connected and IoT capability
- SVPD sensor compatible for standalone
- functionality
- DALI 2.0, Lutron, and step-dimming available

### LED and Light Engine

- LED's available in 3500K or 4000K at 80 CRI minimum
- TM21 life at 60,000 hours up to L75
- Drivers available in 120-277V and 347V
- 1% dimming available as well as alternate controls

### Emergency Battery Options

- Optional 120-277V emergency battery available in 7W or 14W
- 90-minute backup period for code compliance
- Test switch with laser pointer and testing from floor feature for ease of use
- EZ Key feature prevents accidental discharge during construction
- Generator transfer options available

### Finish

- Multistage, iron phosphate pretreatment
- 90% reflective, matte white enamel finish
- Full fixture housing painted after fabrication

### Compliance

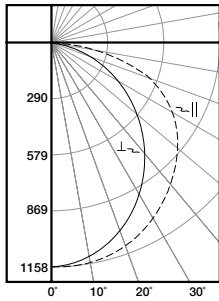
- IC rated for insulation contact
- cULus listed for damp locations
- RoHS compliant
- Tested to IESNA LM-79 and LM-80
- Stated life tested to TM21 standards
- Can be used for State of California Title 24 high efficacy luminaire
- NEMA 410 compliant

### Warranty

- Five-year warranty standard.

## Photometric Data

 [View IES files](#)



**14RTC3435**  
 Electronic Driver  
 Linear LED 3500K  
 Spacing criterion: (||) 1.32 x mounting height,  
 (⊥) 1.2 x mounting height  
 Lumens: 3571.1  
 Input Watts: 28.2W  
 Efficacy: 126.5 lm/W  
 Test Report: 14RTC3435.IES

## Control Systems

- WaveLinx Wireless
- WaveLinx Wired
- WaveLinx Lite
- DLVP
- VividTune



**Connected Systems**  
[CLICK HERE](#)

## Energy and Performance Data

### CCT Table

Approximate Color Temperature Multiplier	
3500K	1.0
4000K	1.02

### Load Data

Thd	11%
Power Factor	0.96
Weight	7.8 lbs.
Low Temp Start	-20°C

### Shipping Data

Size	Wt.	Pallet (30"x 53")
1x4	10.4 lbs.	13