Project		Catalog #		Type	
Prepared by		Notes		Date	

Metalux

24RTC

2' 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 Features

Connected Systems

MWS MODULAR WIRING SYSTEM **CLICK HERE**
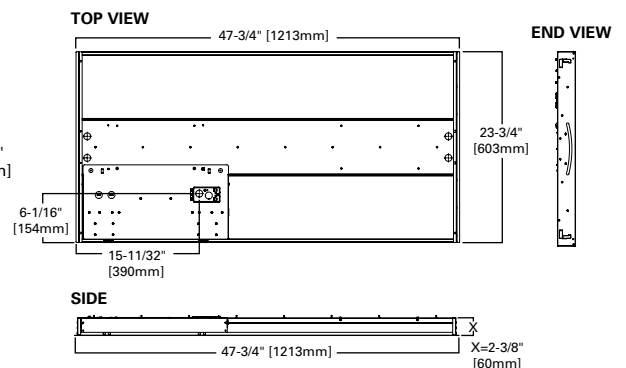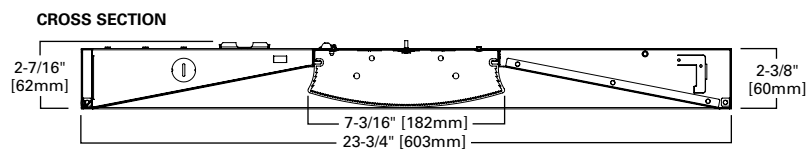
LINEAR DISCONNECT
Safe and convenient means of disconnecting power

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

CROSS SECTION

2-7/16" [62mm]
7-3/16" [182mm]
23-3/4" [603mm]
2-3/8" [60mm]

TOP VIEW

47-3/4" [1213mm]
23-3/4" [603mm]
6-1/16" [154mm]
15-11/32" [390mm]

END VIEW

SIDE

47-3/4" [1213mm]
X=2-3/8" [60mm]

Stock SKU and Rated Performance

Catalog Number	UPC	CRI (Min)	CCT	Delivered Nominal Lumens *	Watts **	Efficacy (lm/W)	Input current (A)	
							120V	277V
24RTC4835	080083802623	80	3500K	4921	38.2	129	.32	.14
24RTC4840	080083802630	80	4000K	4922	37.8	130		
24RTC6835	080083802647	80	3500K	7220	57.0	127	.49	.22
24RTC6840	080083802654	80	4000K	7195	57.1	126		

* Lumens without sensor. Reduce lumens by 2% with sensors and battery pack installed.
** Watts of standard 0-10V product.

COOPER
Lighting Solutions

Order Information

SAMPLE ORDER NUMBER: **24RTC-48-UNV-EL7W-L840-HCD-SWPD1-U**

Size	Series	Lumen	Voltage	Options	Emergency	Factory Wiring

Size	Series (9)	Lumen (5)	Voltage	Options	Emergency	Factory Wiring
24=2' x 4'	**RTC**=Recessed Center Lensed Troffer	**48**=4800 Lumens **68**=6800 Lumens	**UNV**=Universal Voltage 120-277 **120**=120 Volt **277**=277 Volt **347**=347 Volt (2)	**GL**=Single Element Fuse **GM**=Double Element Fuse	**EL7W**=7-watt, 120V-277V emergency battery pack installed (3) **EL14W**=14-watt 120V-277V emergency battery pack installed (3) **GTR2**=Bodine Generator Transfer Relay (4) **ETRD**=Emergency Transfer Relay with dimming control (4)	**[Blank]**=No Flex **A3/8-4/18GDIM**=3/8" Flex with 0-10V Dimming Leads **A3/8-2/18G**=3/8" Flex with line and common **A3/8-5/18GDIM**=Flex with 0-10V Dimming leads and Blue for alternate wiring See below for details.
	Notes (9) DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.	**Notes** (5) Nominal lumen output. See table for actual values.	**Notes** (2) Available only with CD and HCD drivers.		**Notes** (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. Must specify voltage as 120V or 277V when ordering these devices.	**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).

CRI/CCT	Driver Type	Sensor	Packaging	Accessories

CRI/CCT	Driver Type	Sensor	Packaging	Accessories
L835=80 CRI/3500K **L840**=80 CRI/4000K	**CD**=0-10V Dimming Driver (10% - 100% Dimming) **HCD**=0-10V Dimming Driver (1% - 100% Dimming) **SD**=Step-Dim Driver **5LTD**=Fifth Light DALI Driver (10% - 100% Dimming) **SR**=Sensor Ready (5% - 100% Dimming) (6) **L5**=Lutron 5 Series (LDE5) (8) **LH**=Lutron with Soft On, Fade to Black (LDE1) (8)	**SVPD1**=Integrated occupancy and daylight dimming sensor, 144 sq. ft. (10) **SWPD1**=WaveLinx Wireless Connected Lighting system (10) **LWIPD1**=Integrated LumaWatt Pro Wireless sensor system (6), (10)	**U**=Unit carton **PALC**=Palletized with carton	**RTCEQ**=EQ Grid Clip (1), (7) **DF-24-WU**=2' x 4' Drywall Frame Kit **SK-24-WT**=2' x 4' Tall Surface Mount Kit **ISHH-01**=Programming Remote for SVPD1 Integrated Sensor **ISHH-02**=Personal Control Remote for SVPD1 Integrated Sensor **24RTCRLENS**=2' x 4' Replacement Lens (full) **24RTCRLENSIOT**=2' x 4' Replacement Lens (with sensor)
	Notes (6) SR driver required for LWIPD1. Must use UNV voltage option. (8) Refer to Lutron supplement (PS519148EN) on website. Must use UNV voltage option.	**Notes** (6) SR driver required for LWIPD1. Must use UNV voltage option. (10) Not available with SD driver.		**Notes** (1) 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 1% standard
- WaveLinx sensor compatible for IoT capability
- LumaWatt Pro sensor compatible for IoT capability
- SVPD sensor compatible for out of the box functionality
- DLVP sensor and driver compatible for low voltage applications
- 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
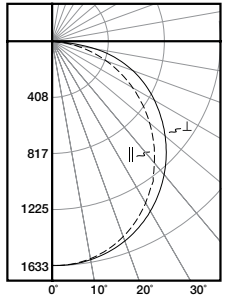
Compliance
- IC rated for insulation contact
- cULus listed for damp locations
- RoHS compliant
- Tested to IESNA LM-79 and LM-80
- Stated life tested to TM21 standards
- Can be used for State of California Title 24 high efficacy luminaire
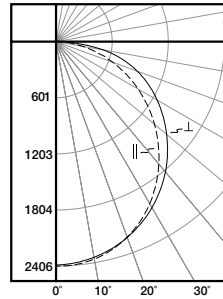- NEMA 410 compliant

Warranty
- Five-year warranty standard.

Photometric Data

24RTC4835

Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.21 x mounting height,
(⊥) 1.28 x mounting height
Lumens: 4796.7
Input Watts: 36.8W
Efficacy: 130.3 lm/W
Test Report: 24RTC4835.IES

24RTC6435

Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.22 x mounting height,
(⊥) 1.28 x mounting height
Lumens: 7063.2
Input Watts: 55.1W
Efficacy: 128.1 lm/W
Test Report: 24RTC6435.IES

Energy and Performance Data

CCT Table

Approximate Color Temperature Multiplier	
3500K	1.0
4000K	1.02

Load Data

Thd	13%
Power Factor	0.96
Weight	13.6 lbs.
Low Temp Start	-20ºC

Shipping Data

Size	Wt.	Pallet (30" x 53")
2x4	17.1 lbs.	13

Control Systems

- WaveLinx
- DLVP
- LumaWatt Pro
- iLumin Plus
- VividTune

Connected Systems
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