

DESCRIPTION

The RTC lensed troffer series provides performance, reliability and flexibility with a housing optimized for shallow plenums. Developed with Eaton's latest generation of solid state components and electronic driver technologies, these center illuminated troffers provide numerous options for color, lumens, controls and sensing capabilities. Designed to be compatible with popular ceiling systems, the RTC troffers are ideal for new construction or remodel/replacement of fluorescent troffers in commercial office spaces, schools, healthcare, and retail merchandising areas.

SPECIFICATION FEATURES

Construction/Mounting

Rigid housing is die-formed of code gauge prime cold rolled steel and features full length stiffeners with mechanically attached endplates for added strength. Innovative design includes four corner suspension points for additional retention to the structure where needed. The side flanges are formed to provide optical control. Endplates have integral Grid-lock features for safety and convenience. Frosted polycarbonate lens with linear prisms provides soft, uniform light output and is impact-resistant. Under 2-1/2 inches deep, RTC is an ideal choice for shallow and restricted plenum installations.

Controls

The RTC is Powered by Fifth Light, with a standard 0-10V driver which continuous dims to 10% that works with many types of controls, like dimmers, occupancy sensors, daylighting controls or lighting relay panels to maximize energy savings. Other options include high-performance dimming as low as 1%. In addition, the RTC can include a factory-installed integrated sensor system for occupancy and daylight dimming control and manual control from

an optional handheld remote with the "SVPD1" option. Or, go wireless with the Wavelinx "SWPD1" option for code-compliance and easy installation, LumaWatt Pro powered by Enlighted options "LWIPD1" for a fully integrated wireless sensor system with Internet of Things (IoT) connectivity and configurable software. See ordering information and specification supplements for details on all these control options.

Electrical

Long-Life LED system coupled with electrical driver to deliver optimal performance. LED's available in 3500K or 4000K with a CRI ≥ 80 . Projected lumen maintenance based on TM21 is L75 > 60,000 hours. Standard electronic drivers are cULus recognized and available for 120-277V and 010V dimming to 10% with options for 347, 1% dimming and alternate controls.

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 code-compliance. A test switch/indicator

| Catalog # | | Type |
|-------------|--|------|
| Project | | |
| Comments | | Date |
| Prepared by | | |

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 and endplates are paint after fab in matte white to provide uniform finish providing long term performance and superior aesthetic.

Compliance

Constructed of UL recognized components these indoor luminaires are cULus listed for 25°C ambient environments, IC rated for direct insulation contact, RoHS compliant, damp location listed, and comply with IESNA LM-79 and LM-80 standards. NEMA 410 compliant. DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.

Warranty

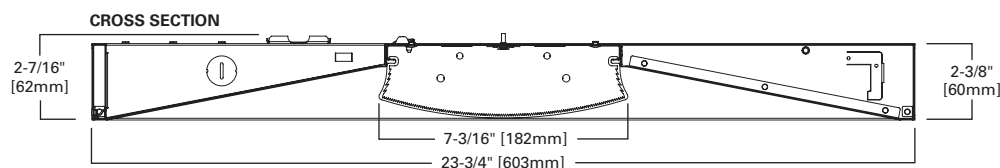
Five year warranty.



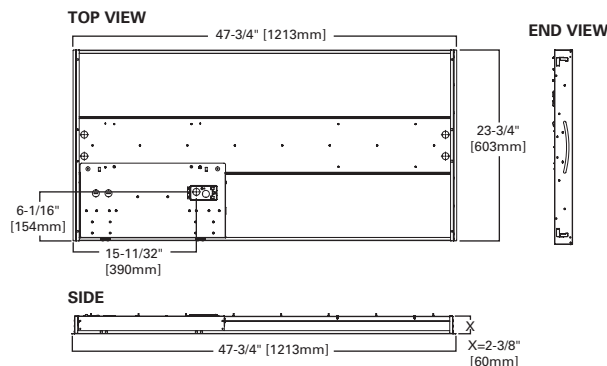
24RTC LED

2' X 4' LED TROFFER

General Recessed LED Troffer
For Use in Insulated Ceilings



DIMENSIONS

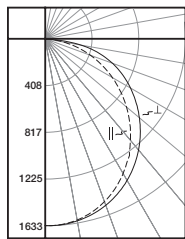


LOAD DATA

| | |
|-----------------|-----------|
| Thd | 13% |
| Power Factor | 0.96 |
| Weight | 13.6 lbs. |
| Low Temp. Start | -20°C |

LINEAR DISCONNECT

Safe and convenient means of disconnecting power

**24RTC4835**

Electronic Driver

Linear LED 3500K

Spacing criterion:
(||) 1.21 x mounting
height, (⊥) 1.28 x
mounting height

Lumens: 4796.7

Input Watts: 36.8W

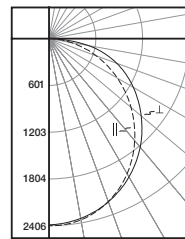
Efficacy: 130.3 lm/W

Test Report:

24RTC4835.IES

Candlepower

| Angle | Along | 45° | Across ⊥ |
|-------|-------|------|----------|
| 0 | 1634 | 1636 | 1634 |
| 5 | 1631 | 1634 | 1633 |
| 15 | 1572 | 1583 | 1591 |
| 25 | 1449 | 1476 | 1499 |
| 35 | 1275 | 1317 | 1359 |
| 45 | 1052 | 1120 | 1181 |
| 55 | 812 | 896 | 975 |
| 65 | 559 | 661 | 756 |
| 75 | 307 | 411 | 499 |
| 85 | 78 | 130 | 138 |
| 90 | 9 | 3 | 0 |

**24RTC6435**

Electronic Driver

Linear LED 3500K

Spacing criterion:
(||) 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

Candlepower

| Angle | Along | 45° | Across ⊥ |
|-------|-------|------|----------|
| 0 | 2409 | 2404 | 2398 |
| 5 | 2401 | 2390 | 2382 |
| 15 | 2311 | 2298 | 2300 |
| 25 | 2128 | 2130 | 2152 |
| 35 | 1862 | 1893 | 1942 |
| 45 | 1542 | 1603 | 1682 |
| 55 | 1191 | 1284 | 1394 |
| 65 | 821 | 949 | 1088 |
| 75 | 446 | 598 | 728 |
| 85 | 112 | 188 | 200 |
| 90 | 13 | 4 | 0 |

Coefficients of Utilization

| rc rw RCR | Effective floor cavity reflectance | | | | | | | | | | 20% | | | | | | | | | | |
|-----------------|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|----|
| | 80% | | | | 70% | | | | 50% | | | | 30% | | | | 10% | | | | 0% |
| | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | |
| 1 | 108 | 103 | 99 | 95 | 105 | 101 | 97 | 93 | 97 | 93 | 90 | 93 | 90 | 87 | 89 | 87 | 85 | 83 | | | |
| 2 | 98 | 89 | 82 | 76 | 95 | 88 | 81 | 75 | 84 | 78 | 74 | 81 | 76 | 72 | 78 | 74 | 70 | 68 | | | |
| 3 | 89 | 78 | 70 | 63 | 87 | 77 | 69 | 63 | 74 | 67 | 61 | 71 | 65 | 60 | 68 | 63 | 59 | 57 | | | |
| 4 | 82 | 69 | 60 | 53 | 79 | 68 | 59 | 53 | 65 | 58 | 52 | 63 | 57 | 51 | 61 | 55 | 51 | 48 | | | |
| 5 | 75 | 62 | 53 | 46 | 73 | 61 | 52 | 45 | 58 | 51 | 45 | 56 | 50 | 44 | 55 | 49 | 44 | 42 | | | |
| 6 | 69 | 56 | 46 | 40 | 67 | 55 | 46 | 40 | 53 | 45 | 39 | 51 | 44 | 39 | 49 | 43 | 39 | 36 | | | |
| 7 | 64 | 50 | 41 | 35 | 62 | 49 | 41 | 35 | 48 | 40 | 35 | 46 | 40 | 34 | 45 | 39 | 34 | 32 | | | |
| 8 | 60 | 46 | 37 | 31 | 58 | 45 | 37 | 31 | 44 | 36 | 31 | 43 | 36 | 31 | 41 | 35 | 31 | 29 | | | |
| 9 | 56 | 42 | 34 | 28 | 54 | 41 | 34 | 28 | 40 | 33 | 28 | 39 | 33 | 28 | 38 | 32 | 28 | 26 | | | |
| 10 | 52 | 39 | 31 | 25 | 51 | 38 | 31 | 25 | 37 | 30 | 25 | 36 | 30 | 25 | 35 | 29 | 25 | 23 | | | |

Zonal Lumen Summary

| Zone | Lumens | % Fixture | Lamp |
|-------|--------|-----------|-------|
| 0-30 | 1263 | 26.3 | 26.3 |
| 0-40 | 2065 | 43.1 | 43.1 |
| 0-60 | 3667 | 76.4 | 76.4 |
| 0-90 | 4797 | 100.0 | 100.0 |
| 0-180 | 4797 | 100.0 | 100.0 |

Coefficients of Utilization

| Effective floor cavity reflectance | | | | | | | | | | | | | | | | | | | 20% | | | | | | |
|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|--|--|--|----|
| rc rw RCR | 80% | | | | | | | | 70% | | | | 50% | | | | 30% | | | | 10% | | | | 0% |
| | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | | | | |
| 1 | 108 | 103 | 99 | 95 | 105 | 101 | 97 | 93 | 97 | 93 | 90 | 93 | 90 | 87 | 89 | 87 | 85 | 83 | | | | | | | |
| 2 | 98 | 90 | 82 | 76 | 95 | 88 | 81 | 76 | 84 | 79 | 74 | 81 | 76 | 72 | 78 | 74 | 70 | 68 | | | | | | | |
| 3 | 89 | 78 | 70 | 63 | 87 | 77 | 69 | 63 | 74 | 67 | 61 | 71 | 65 | 60 | 68 | 63 | 59 | 57 | | | | | | | |
| 4 | 82 | 69 | 60 | 53 | 79 | 68 | 59 | 53 | 65 | 58 | 52 | 63 | 57 | 51 | 61 | 55 | 51 | 49 | | | | | | | |
| 5 | 75 | 62 | 53 | 46 | 73 | 61 | 52 | 45 | 58 | 51 | 45 | 56 | 50 | 44 | 55 | 49 | 44 | 42 | | | | | | | |
| 6 | 69 | 56 | 46 | 40 | 67 | 55 | 46 | 40 | 53 | 45 | 39 | 51 | 44 | 39 | 49 | 43 | 39 | 36 | | | | | | | |
| 7 | 64 | 50 | 41 | 35 | 62 | 49 | 41 | 35 | 48 | 40 | 35 | 46 | 40 | 34 | 45 | 39 | 34 | 32 | | | | | | | |
| 8 | 60 | 46 | 37 | 31 | 58 | 45 | 37 | 31 | 44 | 36 | 31 | 43 | 36 | 31 | 41 | 35 | 31 | 29 | | | | | | | |
| 9 | 56 | 42 | 34 | 28 | 54 | 41 | 33 | 28 | 40 | 33 | 28 | 39 | 33 | 28 | 38 | 32 | 28 | 26 | | | | | | | |
| 10 | 52 | 39 | 31 | 25 | 51 | 38 | 31 | 25 | 37 | 30 | 25 | 36 | 30 | 25 | 35 | 29 | 25 | 23 | | | | | | | |

Zonal Lumen Summary

| Zone | Lumens | % Fixture | Lamp |
|-------|--------|-----------|-------|
| 0-30 | 1858 | 26.3 | 26.3 |
| 0-40 | 3039 | 43.0 | 43.0 |
| 0-60 | 5405 | 76.5 | 76.5 |
| 0-90 | 7063 | 100.0 | 100.0 |
| 0-180 | 7063 | 100.0 | 100.0 |

STOCK SKU AND RATED PERFORMANCE


| Catalog | UPC | CRI (Min.) | CCT | Delivered Nominal Lumens * | Watts ** | Efficacy (lm/W) | Input Current (A) | |
|-----------|--------------|------------|-------|----------------------------|----------|-----------------|-------------------|------|
| | | | | | | | 120V | 277V |
| 24RTC4835 | 080083802623 | 80 | 3500K | 4773 | 38.2 | 125 | .32 | .14 |
| 24RTC4840 | 080083802630 | 80 | 4000K | 4775 | 37.8 | 126 | | |
| 24RTC6835 | 080083802647 | 80 | 3500K | 7004 | 57.0 | 123 | .49 | .22 |
| 24RTC6840 | 080083802654 | 80 | 4000K | 6980 | 57.1 | 122 | | |

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

** Watts of standard 0-10V product.

ORDERING INFORMATION

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

| | | | | |
|---|--|---|---|--|
| Size 24=2' x 4' | Lumen ⁽⁷⁾ 48=4800 Lumens 68=6800 Lumens | CRI/CCT L835=80 CRI/3500K L840=80 CRI/4000K | Sensor SVPD1=Integrated occupancy and daylight dimming sensor, 144 sq. ft. SWPD1=WaveLinX Wireless Connected Lighting system LWIPD1=Integrated LumaWatt Pro Wireless sensor system ⁽⁸⁾ | Packaging U=Unit carton PALC=Palletized with carton |
| Series ⁽¹²⁾ RTC=Recessed Center Lensed Troffer | Voltage UNV=Universal Voltage 120-277 347=347 Volt ⁽²⁾ | Driver Type CD=0-10V Dimming Driver (10% - 100% Dimming) HCD=0-10V Dimming Driver (1% - 100% Dimming) SD=Step-Dim Driver ⁽⁴⁾ 5LTD=Fifth Light DALI Driver (10% - 100% Dimming) ⁽⁶⁾ SR=Sensor Ready (5% - 100% Dimming) ⁽⁸⁾ LH=Lutron Hi-Lume A-Series (L3DAE) ⁽¹¹⁾ L5=Lutron 5 Series (LDE5) ⁽¹¹⁾ LU=Lutron with Soft On, Fade to Black (LDE1) ^{(10),(11)} |  Connected Systems CLICK HERE | |
| Options GL=Single Element Fuse GM=Double Element Fuse Emergency EL7W=7-watt, 120V-277V emergency battery pack installed ⁽³⁾ EL14W=14-watt 120V-277V emergency battery pack installed ⁽³⁾ GTD2=Bodine Generator Transfer Device ⁽⁶⁾ ETS2=IOTA Emergency Transfer Switch ⁽⁶⁾ Flex Multiple configurations available | | | | |

ACCESSORIES

RTCEQ=EQ Grid Clip ^{(1),(9)}
DF-24-WU=2' x 4' Drywall Frame 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)

ACCESSORIESRTCEQ=EQ Grid Clip ^{(1),(9)}

DF-24-WU=2' x 4' Drywall Frame Kit

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24RTCLENSS=2' x 4' Replacement Lens (full)

24RTCLENSIOT=2' x 4' Replacement Lens (with sensor)

NOTES: ⁽¹⁾ An EQ Grid Clip is recommended for all 9/16" ceiling systems. ⁽²⁾ Available only with CD and HCD drivers. ⁽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⁾ Step dimming (bi-level) driver only available on 6800 lumen. ⁽⁵⁾ DALI only available on 6800 lumen. ⁽⁶⁾ Used to transfer fixture to secondary power source for life-safety operation. Two devices are required to ensure control is disabled while operating under emergency power. ⁽⁷⁾ Nominal lumen output. See table for actual values. ⁽⁸⁾ SR driver required for LWIPD1. Must use UNV voltage option. ⁽⁹⁾ Order one set for every fixture (4 clips per kit). ⁽¹⁰⁾ Only available on 4800 lumen. ⁽¹¹⁾ Refer to Lutron supplement (PS519148EN) on website. Must use UNV voltage option. ⁽¹²⁾ DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.

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

SHIPPING DATA

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

DESCRIPTION

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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 code-compliance. 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 and endplates are paint after fab in matte white to provide uniform finish providing long term performance and superior aesthetic.

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Constructed of UL recognized components these indoor luminaires are cULus listed for 25°C ambient environments, IC rated for direct insulation contact, RoHS compliant, damp location listed, and comply with IESNA LM-79 and LM-80 standards. NEMA 410 compliant. DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.

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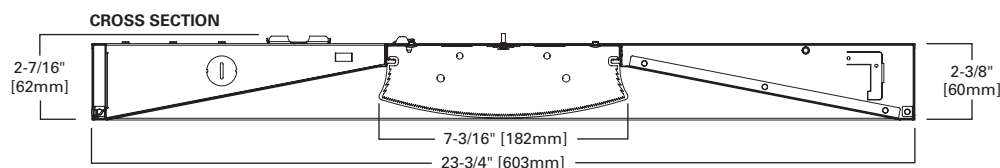
Five year warranty.



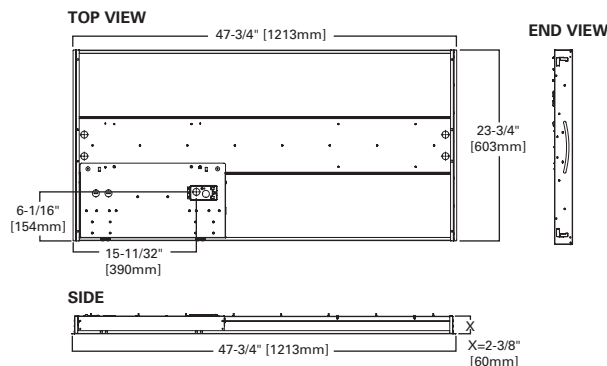
24RTC LED

2' X 4' LED TROFFER

General Recessed LED Troffer
For Use in Insulated Ceilings



DIMENSIONS



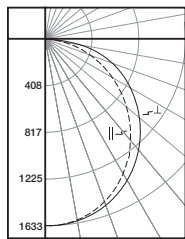
LOAD DATA

| | |
|-----------------|-----------|
| Thd | 13% |
| Power Factor | 0.96 |
| Weight | 13.6 lbs. |
| Low Temp. Start | -20°C |

LINEAR DISCONNECT

Safe and convenient means of disconnecting power



**24RTC4835**

Electronic Driver

Linear LED 3500K

Spacing criterion:
(||) 1.21 x mounting
height, (⊥) 1.28 x
mounting height

Lumens: 4796.7

Input Watts: 36.8W

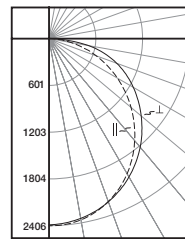
Efficacy: 130.3 lm/W

Test Report:

24RTC4835.IES

Candlepower

| Angle | Along | 45° | Across ⊥ |
|-------|-------|------|----------|
| 0 | 1634 | 1636 | 1634 |
| 5 | 1631 | 1634 | 1633 |
| 15 | 1572 | 1583 | 1591 |
| 25 | 1449 | 1476 | 1499 |
| 35 | 1275 | 1317 | 1359 |
| 45 | 1052 | 1120 | 1181 |
| 55 | 812 | 896 | 975 |
| 65 | 559 | 661 | 756 |
| 75 | 307 | 411 | 499 |
| 85 | 78 | 130 | 138 |
| 90 | 9 | 3 | 0 |

**24RTC6435**

Electronic Driver

Linear LED 3500K

Spacing criterion:
(||) 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

Candlepower

| Angle | Along | 45° | Across ⊥ |
|-------|-------|------|----------|
| 0 | 2409 | 2404 | 2398 |
| 5 | 2401 | 2390 | 2382 |
| 15 | 2311 | 2298 | 2300 |
| 25 | 2128 | 2130 | 2152 |
| 35 | 1862 | 1893 | 1942 |
| 45 | 1542 | 1603 | 1682 |
| 55 | 1191 | 1284 | 1394 |
| 65 | 821 | 949 | 1088 |
| 75 | 446 | 598 | 728 |
| 85 | 112 | 188 | 200 |
| 90 | 13 | 4 | 0 |

Coefficients of Utilization

| rc rw RCR | Effective floor cavity reflectance | | | | | | | | | | 20% | | | | | | | | | | |
|-----------------|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|----|
| | 80% | | | | 70% | | | | 50% | | | | 30% | | | | 10% | | | | 0% |
| | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | |
| 1 | 108 | 103 | 99 | 95 | 105 | 101 | 97 | 93 | 97 | 93 | 90 | 93 | 90 | 87 | 89 | 87 | 85 | 83 | | | |
| 2 | 98 | 89 | 82 | 76 | 95 | 88 | 81 | 75 | 84 | 78 | 74 | 81 | 76 | 72 | 78 | 74 | 70 | 68 | | | |
| 3 | 89 | 78 | 70 | 63 | 87 | 77 | 69 | 63 | 74 | 67 | 61 | 71 | 65 | 60 | 68 | 63 | 59 | 57 | | | |
| 4 | 82 | 69 | 60 | 53 | 79 | 68 | 59 | 53 | 65 | 58 | 52 | 63 | 57 | 51 | 61 | 55 | 51 | 48 | | | |
| 5 | 75 | 62 | 53 | 46 | 73 | 61 | 52 | 45 | 58 | 51 | 45 | 56 | 50 | 44 | 55 | 49 | 44 | 42 | | | |
| 6 | 69 | 56 | 46 | 40 | 67 | 55 | 46 | 40 | 53 | 45 | 39 | 51 | 44 | 39 | 49 | 43 | 39 | 36 | | | |
| 7 | 64 | 50 | 41 | 35 | 62 | 49 | 41 | 35 | 48 | 40 | 35 | 46 | 40 | 34 | 45 | 39 | 34 | 32 | | | |
| 8 | 60 | 46 | 37 | 31 | 58 | 45 | 37 | 31 | 44 | 36 | 31 | 43 | 36 | 31 | 41 | 35 | 31 | 29 | | | |
| 9 | 56 | 42 | 34 | 28 | 54 | 41 | 34 | 28 | 40 | 33 | 28 | 39 | 33 | 28 | 38 | 32 | 28 | 26 | | | |
| 10 | 52 | 39 | 31 | 25 | 51 | 38 | 31 | 25 | 37 | 30 | 25 | 36 | 30 | 25 | 35 | 29 | 25 | 23 | | | |

Zonal Lumen Summary

| Zone | Lumens | % Fixture | Lamp |
|-------|--------|-----------|-------|
| 0-30 | 1263 | 26.3 | 26.3 |
| 0-40 | 2065 | 43.1 | 43.1 |
| 0-60 | 3667 | 76.4 | 76.4 |
| 0-90 | 4797 | 100.0 | 100.0 |
| 0-180 | 4797 | 100.0 | 100.0 |

Coefficients of Utilization

| Effective floor cavity reflectance | | | | | | | | | | | | | | | | | | | 20% | | | | | | |
|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|--|--|--|----|
| rc rw RCR | 80% | | | | | | | | 70% | | | | 50% | | | | 30% | | | | 10% | | | | 0% |
| | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | | | | |
| 1 | 108 | 103 | 99 | 95 | 105 | 101 | 97 | 93 | 97 | 93 | 90 | 93 | 90 | 87 | 89 | 87 | 85 | 83 | | | | | | | |
| 2 | 98 | 90 | 82 | 76 | 95 | 88 | 81 | 76 | 84 | 79 | 74 | 81 | 76 | 72 | 78 | 74 | 70 | 68 | | | | | | | |
| 3 | 89 | 78 | 70 | 63 | 87 | 77 | 69 | 63 | 74 | 67 | 61 | 71 | 65 | 60 | 68 | 63 | 59 | 57 | | | | | | | |
| 4 | 82 | 69 | 60 | 53 | 79 | 68 | 59 | 53 | 65 | 58 | 52 | 63 | 57 | 51 | 61 | 55 | 51 | 49 | | | | | | | |
| 5 | 75 | 62 | 53 | 46 | 73 | 61 | 52 | 45 | 58 | 51 | 45 | 56 | 50 | 44 | 55 | 49 | 44 | 42 | | | | | | | |
| 6 | 69 | 56 | 46 | 40 | 67 | 55 | 46 | 40 | 53 | 45 | 39 | 51 | 44 | 39 | 49 | 43 | 39 | 36 | | | | | | | |
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| Zone | Lumens | % Fixture | Lamp |
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| 0-40 | 3039 | 43.0 | 43.0 |
| 0-60 | 5405 | 76.5 | 76.5 |
| 0-90 | 7063 | 100.0 | 100.0 |
| 0-180 | 7063 | 100.0 | 100.0 |

STOCK SKU AND RATED PERFORMANCE


| Catalog | UPC | CRI (Min.) | CCT | Delivered Nominal Lumens * | Watts ** | Efficacy (lm/W) | Input Current (A) | |
|-----------|--------------|------------|-------|----------------------------|----------|-----------------|-------------------|------|
| | | | | | | | 120V | 277V |
| 24RTC4835 | 080083802623 | 80 | 3500K | 4773 | 38.2 | 125 | .32 | .14 |
| 24RTC4840 | 080083802630 | 80 | 4000K | 4775 | 37.8 | 126 | | |
| 24RTC6835 | 080083802647 | 80 | 3500K | 7004 | 57.0 | 123 | .49 | .22 |
| 24RTC6840 | 080083802654 | 80 | 4000K | 6980 | 57.1 | 122 | | |

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

** Watts of standard 0-10V product.

ORDERING INFORMATION

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

| | | | | |
|--|--|---|---|--|
| Size 24=2' x 4' | Lumen ⁽⁷⁾ 48=4800 Lumens 68=6800 Lumens | CRI/CCT L835=80 CRI/3500K L840=80 CRI/4000K | Sensor SVPD1=Integrated occupancy and daylight dimming sensor, 144 sq. ft. SWPD1=WaveLinX Wireless Connected Lighting system LWIPD1=Integrated LumaWatt Pro Wireless sensor system ⁽⁸⁾ | Packaging U=Unit carton PALC=Palletized with carton |
| Series ⁽¹²⁾ RTC=Recessed Center Lensed Troffer | Voltage UNV=Universal Voltage 120-277 347=347 Volt ⁽²⁾ | Driver Type CD=0-10V Dimming Driver (10% - 100% Dimming) HCD=0-10V Dimming Driver (1% - 100% Dimming) SD=Step-Dim Driver ⁽⁴⁾ 5LTD=Fifth Light DALI Driver (10% - 100% Dimming) ⁽⁶⁾ SR=Sensor Ready (5% - 100% Dimming) ⁽⁸⁾ LH=Lutron Hi-Lume A-Series (L3DAE) ⁽¹¹⁾ L5=Lutron 5 Series (LDE5) ⁽¹¹⁾ LU=Lutron with Soft On, Fade to Black (LDE1) ^{(10),(11)} |  Connected Systems CLICK HERE | |
| Options GL=Single Element Fuse GM=Double Element Fuse Emergency EL7W=7-watt, 120V-277V emergency battery pack installed ⁽³⁾ EL14W=14-watt 120V-277V emergency battery pack installed ⁽³⁾ GTD2=Bodine Generator Transfer Device ⁽⁶⁾ ETS2=OTA Emergency Transfer Switch ⁽⁶⁾ Flex Multiple configurations available | | | | |
| ACCESSORIES RTCEQ=EQ Grid Clip ^{(1),(9)} DF-24-WU=2' x 4' Drywall Frame 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) | | | | |

ACCESSORIESRTCEQ=EQ Grid Clip ^{(1),(9)}

DF-24-WU=2' x 4' Drywall Frame Kit

ISHH-01=Programming Remote for SVPD1 Integrated Sensor

ISHH-02=Personal Control Remote for SVPD1 Integrated Sensor

24RTCLENSS=2' x 4' Replacement Lens (full)

24RTCLENSIOT=2' x 4' Replacement Lens (with sensor)

NOTES: ⁽¹⁾ An EQ Grid Clip is recommended for all 9/16" ceiling systems. ⁽²⁾ Available only with CD and HCD drivers. ⁽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⁾ Step dimming (bi-level) driver only available on 6800 lumen. ⁽⁵⁾ DALI only available on 6800 lumen. ⁽⁶⁾ Used to transfer fixture to secondary power source for life-safety operation. Two devices are required to ensure control is disabled while operating under emergency power. ⁽⁷⁾ Nominal lumen output. See table for actual values. ⁽⁸⁾ SR driver required for LWIPD1. Must use UNV voltage option. ⁽⁹⁾ Order one set for every fixture (4 clips per kit). ⁽¹⁰⁾ Only available on 4800 lumen. ⁽¹¹⁾ Refer to Lutron supplement (PS519148EN) on website. Must use UNV voltage option. ⁽¹²⁾ DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.

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

SHIPPING DATA

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