



RETROFIT SOLUTION

RCIT200 SERIES

LED RETROFIT SOLUTION FOR FLUORESCENT CIT200 VAPOR TIGHT

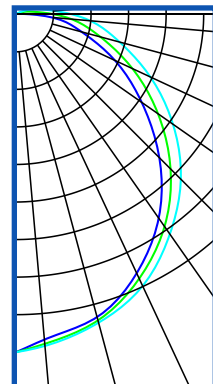
INTERACTIVE BUTTONS

ORDERING INFO SYSTEM DATA DRIVER OPTIONS SENSOR OPTIONS PHOTOMETRIC DATA

| | |
|------|--|
| JOB | |
| TYPE | |
| DATE | |

LALIGHTING.COM 626-454-8300

SURFACE / SUSPENSION MOUNTED LED LUMINAIRE



FEATURES

- 0-10V Dimming driver standard
- Includes easy-to-read installation instructions
- 2 safety cables pre-installed
- LED Light engine is pre-wired with a quick connector for easy connection
- Pre-punched holes to install the necessary hardware and wiring
- Supports California Title 24 compliance

OPTIONS

- Controls
- Tunable white (2700K - 6500K)
- Painted after fabrication
- Emergency battery pack
- Customization available upon request

SPECIFICATIONS

CONSTRUCTION

- 22 ga. cold rolled steel LED cover tray
- Compatible with SLP® Citadel2™ narrow 2-lamp, 4ft enclosure

FINISH

- Baked white polyester finish / minimum reflectance 86%

ELECTRICAL

- High efficiency drivers coupled with long-life LEDs
- Service life tested at 50,000 hours (L70)
- Universal voltage 120V through 277V (347V / 480V available)
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) $\leq 20\%$

LISTING

- UL USA and Canada classified

WARRANTY

- 5-year limited warranty
- 10-year limited warranty available



Los Angeles Lighting Mfg. Co.
Contact Us
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www.lalighting.com
10141 Olney Street
El Monte, CA 91731
Made in the USA



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Revised: 04/29/21



ORDERING INFORMATION

EXAMPLE: RCIT200-4-4L-BPL1.5-DRDM-UNV-1/840

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| SERIES | NOMINAL LED LUMENS | EFFICACY | NOMINAL LENGTH | MECHANICAL | CONTROLS | ELECTRICAL | DRIVER | VOLTAGE | # OF LED ROW | CRI / CCT | AMBIENT TEMP |
|---|--|---|--|--|---|---|--|--|-------------------------|---|--|
| RCIT200 • Vapor Tight Fluorescent CIT200 Fixture to LED Luminaire Retrofit Solution | 4ft 2 - 2000lm 4 - 4000lm 6 - 6000lm 8 - 8000lm 8ft 4 - 4000lm 8 - 8000lm 12 - 12000lm 16 - 16000lm *Contact factory for additional lumen packages | (Blank) • Standard HE • High Efficacy HE Packages 4ft • 2000lm • 4000lm • 6000lm 8ft • 4000lm • 8000lm • 12000lm | 4L • 4ft 8L • 8ft | PAF • Painted After Fabrication *Leave blank if not specified | MSH(xx) • Motion Sensor High Frequency (Lens Option) WLC(xx) • Wireless Control *Leave blank if not specified *Contact factory for additional sensor options | BPL1.5 • Emergency Battery Pack • 1500 lm *Contact factory for additional electrical options *Leave blank if not specified | DRDM • 0-10V Dimming Driver DRSD • Step Dimming Driver DR2W • 2-Wire Phase Dimming Driver • Requires Specific Voltage Callout *Contact factory for additional driver options | UNV • 120V-277V 120V • 120 Volt 277V • 277 Volt 347V • 347 Volt 480V • 480 Volt *Contact factory for additional voltage options | 1 • 1 LED Row | 830 • 80+CRI / 3000K 835 • 80+CRI / 3500K 840 • 80+CRI / 4000K 850 • 80+CRI / 5000K 8TW • Tunable White 827 to 865 • Contact factory regarding lumen packages *Consult factory for available additional options for CRI & CCT | HT • High Ambient Temp. *HT cannot be combine with HE systems |

SYSTEM DATA CONTROLS DRIVER/BATTERY PHOTOMETRIC

INTERACTIVE BUTTONS

CUSTOM COLORS

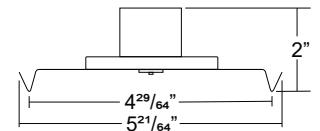
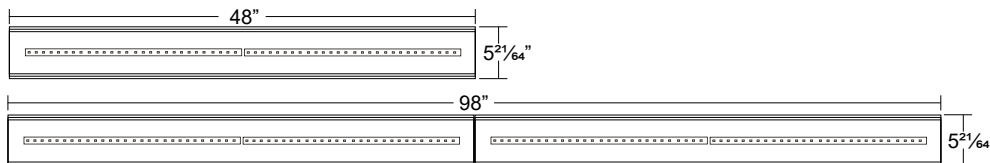
BLK - Matte Black

CS - Camaro Silver

BZ - Statuary Bronze

Variety of RAL colors available upon request.

DIMENSIONS



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SYSTEM DATA THESE ARE THE MOST POPULAR LUMEN PACKAGES. PLEASE CONSULT FACTORY FOR ADDITIONAL SYSTEM DATA.[BACK TO TOP](#)

| 4' - LED LUMEN PACKAGE | NORMAL AMBIENT TEMPERATURE PRODUCT CODE | DELIVERED LUMENS | SYSTEM WATTS | LUMINAIRE EFFICACY | LUMINAIRE EFFICIENCY | AMBIENT TEMP. | FLUORESCENT EQUIVALENT | IES FILES |
|---------------------------|---|------------------|--------------|--------------------|----------------------|-------------------------------|------------------------|-----------|
| 2000 Lumens (Nominal) | RCIT200-2-4L-DRDM-UNV-1/840 | | | | | -20°C / 35°C (-4°F / 95°F) | 1-F32T8 | * |
| 4000 Lumens (Nominal) | RCIT200-4-4L-DRDM-UNV-1/840 | | | | | -20°C / 35°C (-4°F / 95°F) | 2-F32T8 1-F54T5HO | * |
| 6000 Lumens (Nominal) | RCIT200-6-4L-DRDM-UNV-1/840 | | | | | -20°C / 35°C (-4°F / 95°F) | 3-F32T8 | * |
| 8000 Lumens (Nominal) | RCIT200-8-4L-DRDM-UNV-1/840 | | | | | -20°C / 35°C (-4°F / 95°F) | 4-F32T8 2-F54T5HO | * |
| 4' - LED LUMEN PACKAGE | NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE | DELIVERED LUMENS | SYSTEM WATTS | LUMINAIRE EFFICACY | LUMINAIRE EFFICIENCY | AMBIENT TEMP. | FLUORESCENT EQUIVALENT | IES FILES |
| 2000 Lumens (Nominal) | RCIT200-2HE-4L-DRDM-UNV-1/840 | | | | | -20°C / 35°C (-4°F / 95°F) | 1-F17T8 | * |
| 4000 Lumens (Nominal) | RCIT200-4HE-4L-DRDM-UNV-1/840 | | | | | -20°C / 35°C (-4°F / 95°F) | 2-F17T8 1-F24T5HO | * |
| 6000 Lumens (Nominal) | RCIT200-6HE-4L-DRDM-UNV-1/840 | | | | | -20°C / 35°C (-4°F / 95°F) | 3-F17T8 | * |
| 4' - LED LUMEN PACKAGE | HIGH AMBIENT TEMPERATURE PRODUCT CODE | DELIVERED LUMENS | SYSTEM WATTS | LUMINAIRE EFFICACY | LUMINAIRE EFFICIENCY | AMBIENT TEMP. | FLUORESCENT EQUIVALENT | IES FILES |
| 2000 Lumens (Nominal) | RCIT200-2-4L-DRDM-UNV-1/840HT | | | | | -20°C / 35°C (-4°F / 95°F) | 1-F32T8 | * |
| 4000 Lumens (Nominal) | RCIT200-4-4L-DRDM-UNV-1/840HT | | | | | -20°C / 35°C (-4°F / 95°F) | 2-F32T8 1-F54T5HO | * |
| 6000 Lumens (Nominal) | RCIT200-6-4L-DRDM-UNV-1/840HT | | | | | -20°C / 35°C (-4°F / 95°F) | 3-F32T8 | * |
| 8000 Lumens (Nominal) | RCIT200-8-4L-DRDM-UNV-1/840HT | | | | | -20°C / 35°C (-4°F / 95°F) | 4-F32T8 2-F54T5HO | * |
| 8' - LED LUMEN PACKAGE | NORMAL AMBIENT TEMPERATURE PRODUCT CODE | DELIVERED LUMENS | SYSTEM WATTS | LUMINAIRE EFFICACY | LUMINAIRE EFFICIENCY | AMBIENT TEMP. | FLUORESCENT EQUIVALENT | IES FILES |
| 4000 Lumens (Nominal) | RCIT200-4-8L-DRDM-UNV-1/840 | | | | | -20°C / 35°C (-4°F / 95°F) | 1-F32T8 | * |
| 8000 Lumens (Nominal) | RCIT200-8-8L-DRDM-UNV-1/840 | | | | | -20°C / 35°C (-4°F / 95°F) | 2-F32T8 1-F54T5HO | * |
| 12000 Lumens (Nominal) | RCIT200-12-8L-DRDM-UNV-1/840 | | | | | -20°C / 35°C (-4°F / 95°F) | 3-F32T8 | * |
| 16000 Lumens (Nominal) | RCIT200-16-8L-DRDM-UNV-1/840 | | | | | -20°C / 35°C (-4°F / 95°F) | 4-F32T8 2-F54T5HO | * |
| 8' - LED LUMEN PACKAGE | NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE | DELIVERED LUMENS | SYSTEM WATTS | LUMINAIRE EFFICACY | LUMINAIRE EFFICIENCY | AMBIENT TEMP. | FLUORESCENT EQUIVALENT | IES FILES |
| 4000 Lumens (Nominal) | RCIT200-4HE-8L-DRDM-UNV-1/840 | | | | | -20°C / 35°C (-4°F / 95°F) | 1-F17T8 | * |
| 8000 Lumens (Nominal) | RCIT200-8HE-8L-DRDM-UNV-1/840 | | | | | -20°C / 35°C (-4°F / 95°F) | 2-F17T8 1-F24T5HO | * |
| 12000 Lumens (Nominal) | RCIT200-12HE-8L-DRDM-UNV-1/840 | | | | | -20°C / 35°C (-4°F / 95°F) | 3-F17T8 | * |
| 4' - LED LUMEN PACKAGE | HIGH AMBIENT TEMPERATURE PRODUCT CODE | DELIVERED LUMENS | SYSTEM WATTS | LUMINAIRE EFFICACY | LUMINAIRE EFFICIENCY | AMBIENT TEMP. | FLUORESCENT EQUIVALENT | IES FILES |
| 4000 Lumens (Nominal) | RCIT200-4-8L-DRDM-UNV-1/840HT | | | | | -20°C / 35°C (-4°F / 95°F) | 1-F32T8 | * |
| 8000 Lumens (Nominal) | RCIT200-8-8L-DRDM-UNV-1/840HT | | | | | -20°C / 35°C (-4°F / 95°F) | 2-F32T8 1-F54T5HO | * |
| 12000 Lumens (Nominal) | RCIT200-12-8L-DRDM-UNV-1/840HT | 11488 | 81.9 | 140.23 lm/W | 92.96% | -20°C / 35°C (-4°F / 95°F) | 3-F32T8 | LA-T3647 |
| 16000 Lumens (Nominal) | RCIT200-16-8L-DRDM-UNV-1/840HT | 15068 | 99.2 | 151.88 lm/W | 92.96% | -20°C / 35°C (-4°F / 95°F) | 4-F32T8 2-F54T5HO | * |

NOTE:

System data is based on 120V input voltage. Actual performance may differ as a result of end-user environment and application.

This fixture has been tested and listed in accordance with UL Standards. L.A. Lighting certifies that it will operate safely when installed properly, and within an ambient temperature range noted in the system data table. Additional lumen packages and color temperatures available.

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CONTROL OPTIONS**HIGH FREQUENCY MOTION SENSORS****MSH - Motion Sensor High Frequency (Microwave)**

- Super high frequency motion sensor (also known as microwave sensor) which detects movement when installed behind low density fixture materials, such as polycarbonate, acrylic and glass diffusers
- Turns light ON/OFF based on motion detection
- Fixture mounting height ~30ft

**WLC(LED RU) - EnOcean® LED Relay Zone Controller**

- Supports a single LED fixture or multiple daisy chained LED fixtures
- Module installed inside lighting fixture

ESRPU-W-EO - EnOcean® Rocker Switch – Single – Surface Mount

- Wireless single rocker switch with mounting plate
- No batteries needed

EDRPU-W-EO - EnOcean® Rocker Switch – Double – Surface Mount

- Wireless double rocker switch with mounting plate
- No batteries needed

S3054-N300 - EnOcean® Navigan NWC 300U – Commissioning Tool

- Navigan Wireless Commissioner is used to configure EnOcean controllers & sensors
- It can be used to define link tables, change parameters/settings, & to edit & store projects
- Configuration settings can be saved & cloned to enable quick configuration
- Connectivity is through the NWC 300U USB Stick

EOSWU-W-EO - EnOcean® Occupancy Sensor – Wall Mount

- Wireless wall mounted occupancy sensor
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with both wide angle (50ft) and long range (100ft) options
- Mounting height: 6-8ft

EOSCU-W-EO - EnOcean® Occupancy Sensor – Ceiling Mount

- Wireless ceiling mounted occupancy sensor
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with 360° viewing angle lens (34' diameter)
- Mounting height: 7-10ft

ELLSU-W-EO - EnOcean® Light Level Sensor – Ceiling Mount

- Light Level sensor that measures and reports the level of available natural light
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- Enables implementation of daylight harvesting control systems
- Mounting position: At the ceiling, close to ambient light source

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DRIVER OPTIONS

PLEASE CONSULT FACTORY TO SEE IF YOUR SELECTED
DRIVER OPTION WORKS WITH THIS FIXTURE

DRDM () () UNV

NOTE

| | |
|------|---------------------------------------|
| 120V | 120 Volt |
| 277V | 277 Volt |
| UNV | Universal 120-277V *Normal Stock Item |
| 347V | 347 Volt |
| 480V | 480 Volt |

SPECIFIC DRIVER MFG

(XXX) Manufacturer's Name/Part Number

WARRANTY

(Blank) 5-Year Limited Warranty - Standard
TY 10-Year Limited Warranty
Lighting fixtures with ten year limited warranty if specified

DRIVER TYPE

| | |
|------------|---|
| DRDM | 0-10V Dimming Driver *Normal Stock Item |
| DRDM1 | 0-10V Dimming Driver, 1% Dimming |
| DRDM2C | 2-Channel 0-10V Dimming Driver (for Color Tunable White) |
| DR2W | 2-Wire Phase Dimming Driver (TRIAC, Mark 10) |
| DRDA | Digital Addressable DALI Dimming Driver |
| DRDA2C | Digital Addressable DALI Type 8, 2-Channel Driver (for Color Tunable White) |
| DRDA2.0 | Digital Addressable DALI 2.0 Dimming |
| DRDA2.02C | Digital Addressable DALI 2.0 Type 8, 2-Channel Driver (for Color Tunable White) |
| DRSD | Step Dimming |
| DR(LTEA2W) | Lutron® 2-Wire, 1% Dimming Driver (120V Forward Phase only) |
| DR(LED1) | Lutron® Hi-Lume 1% EcoSystem LED Driver with Soft-on, Fade-to-Black Dimming |
| DR(L3DAE) | Lutron® Hi-Lume 1% EcoSystem |
| DR(L3DA3W) | Lutron® Hi-Lume 1% 3-wire |
| DR(PEQ0E) | Lutron® EcoSystem 0.1% Soft-On, Fade-to-Black Dimming Driver |
| DR(PSQ02U) | Lutron® T-Series Digital 1% Dimming 2-Channel Driver (for Color Tunable White) |
| DRCR | Control Ready |
| DRCR(DXL) | Osram Dexas |
| DRCR(SR) | Signify Sensor Ready |

BATTERY PACK OPTIONS

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PLEASE CONSULT FACTORY TO SEE IF YOUR SELECTED
BATTERY OPTION WORKS WITH THIS FIXTURE
LED EMERGENCY BATTERY PACKS
(Operates for 90 minutes unless otherwise specified)

BPL 1.5 (2H)

NOTE

2H 2 Hours

LUMEN PACKAGE

| | |
|-----|--|
| 0.7 | Nominal 750 Lumens |
| 1.5 | Nominal 1500 Lumens *Normal Stock Item |
| 3.0 | Nominal 3000 Lumens |
| 4.0 | Nominal 4000 Lumens (Additional lumen packages available) |

TYPE

| | |
|---------|---|
| (Blank) | Normal Ambient Temp. / Standard Operation |
| C | Cold Environment (-20°C) |
| SL | Slim Casing |
| ST | Self Test / Diagnostic |

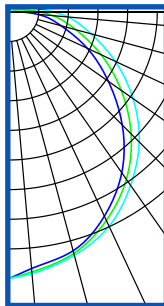
PHOTOMETRIC DATA

RCIT200-12-8L-DRDM-UNV-1/840

TEST NO. = LA-T3647
LED TYPE = 48 LED MODULE
NO. OF MODULE = 4
SYSTEM WATT (W) = 81.9
CRI ≥ 80
L70(Hrs.) ≥ 50,000
PHOTOMETRY TYPE = C

SPACING CRITERION

| ALONG | ACROSS |
|-------|--------|
| 1.20 | 1.26 |



ZONAL LUMEN SUMMARY

| DEGREES | LUMENS | % LAMP | % FIXTURE |
|---------|--------|--------|-----------|
| 0-30 | 2786 | 22.5 | 24.3 |
| 0-40 | 4556 | 36.9 | 40.0 |
| 0-60 | 8070 | 65.3 | 70.3 |
| 0-90 | 11056 | 89.5 | 96.2 |
| 90-120 | 431 | 3.5 | 3.8 |
| 90-150 | 432 | 3.5 | 3.8 |
| 90-180 | 432 | 3.5 | 3.8 |
| 0-180 | 11488 | 93.0 | 100.0 |

Luminaire Output = 11488.05 lumens
Luminaire Efficacy = 127.78 lm/W
Luminaire Efficiency = 92.96%



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