# LUMEO-R4

MAXTAR™
Lighting

## Remodel

## New Construction

### LAMP HOUSING

| OPTICS | 120° |
|---|---|
| TRIM | Super Slim/Thin Flat Design |
| MATERIAL | Die-casting Proceed ADC12 |

### LED LIGHT ENGINE

| RATED WATTAGE | 9W |
|---|---|
| DELIVERED LUMENS | Up to 765 lm ( based on 85lm/w output) |
| EFFICACY | 85lm/w (100-110lm/w can be customized) |
| CCT @ 90CRI | 2700K,3000K,3500K,4000K,5000K,6000K, 5CCT, Warm Dim |
| COLOR QUALITY | CRI85+,3-Step SDCM |
| LED LIFETIME | 50,000 hours |
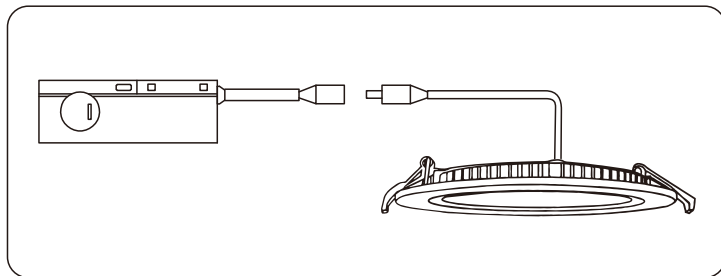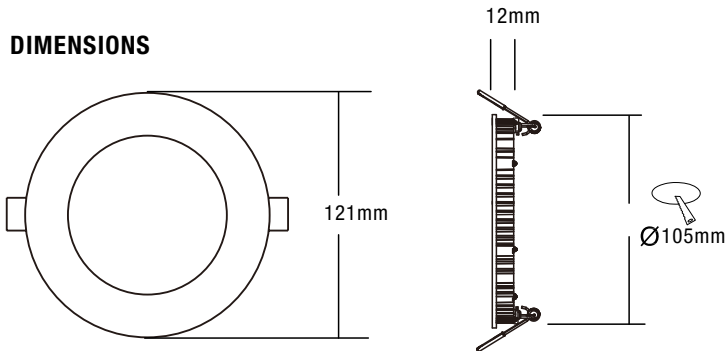
### POWER SUPPLY

| INPUT VOLTAGE | 120Vac/120-277Vac/100-347Vac,50/60Hz |
|---|---|
| DIMMING | **TRIAC/ELV/0-10V/Dali Dim** |
| SERVICABILITY | Below Ceiling Access |

### TRIM OPTIONS

☐ Flat          ☐ Regress Baffle          ☐ Regress Bevel

### TRIM COLORS

☐ Matt White     ☐ Matt Black     ☐ Matt Silver     ☐ Brush Nickel

### DIMENSIONS

12mm

121mm

Ø105mm

### FEATURES

.Super Thin Flat design
.Easy and quick installation
.IC Airtight for use with direct contact to insulation.
.Eliminates the need for housing. .
.New Construction application reuires mounting plate or frame.
.Remodel applications require no additional accessories.
.Suitable for Damp Location allows for use indoor residential and commercial areas.
.Includes driver and J-box which can fit up to 6x AWG14 cable wires .

### INSTALLATION

.Recessed
.Insulated/drop ceilings
.Fits under studs and in narrow plenums

ETL Intertek     DAMP LOCATION     IC RATED     AIRTIGHT     DIMMABLE

# LUMEO-R4

## ASSESSORY  AVAILABLE

### Push-in Connector-1/2" Trade Size NM cable

**LUMEO-R4-NM1**

**LUMEO-R4-NM2**

### Clamp Connector-1/2" Trade Size NM cable

**LUMEOR-4-NM3**

### Extension Cable-2Pin
**LUMEO-R4-FLEX6 (6ft)**
**LUMEO-R4-FLEX10 (10ft)**
**LUMEO-R4FLEX20 (20ft)**

### Extension Cable-3Pin
**LUMEO-R4-FLEX63 (6ft)**
**LUMEO-R4-FLEX103 (10ft)**
**LUMEO-R4-FLEX203 (20ft)**

### RIP With bars

**LUMEO-R4-RIP-Bar**

### Rough In Plate

**LUMEO-R4-RIP**

| DESCRIPTION | CHARAMETERS |
|---|---|
| Watt | 5W/7W/9W |
| Color temperature | 1CCT, 5CCT, DIM-TO-WARM |
| CRI | 85+ |
| Lumens/Watt | 85+ |
| Ambient Temperature | −40°C to +40°C (-4 °F-104°F) |
| Input voltage | 120V / 100-277V/100-347V |
| Input frequency | 50/60 Hz |
| Dimmable | Triac/ELV/0-10V/Dali Dimming |
| Approved Location | Insulated ceiling, Damp |
| Benefits | Type IC rated |
| Trim Finish | Powder Coated In Colors |
| Project Lifespan | 70% light output at 50, 000 hours |
| Certificate | cETLus(Confms to CSA&UL Standards) |
| Limited Warranty | **2** Years |

## Order Matrix 1

### 4" NEW CONSTRUCTION / REMODEL (**STANDARD: LUMEO-R4-RM-09-85-SV5C-WHT**)

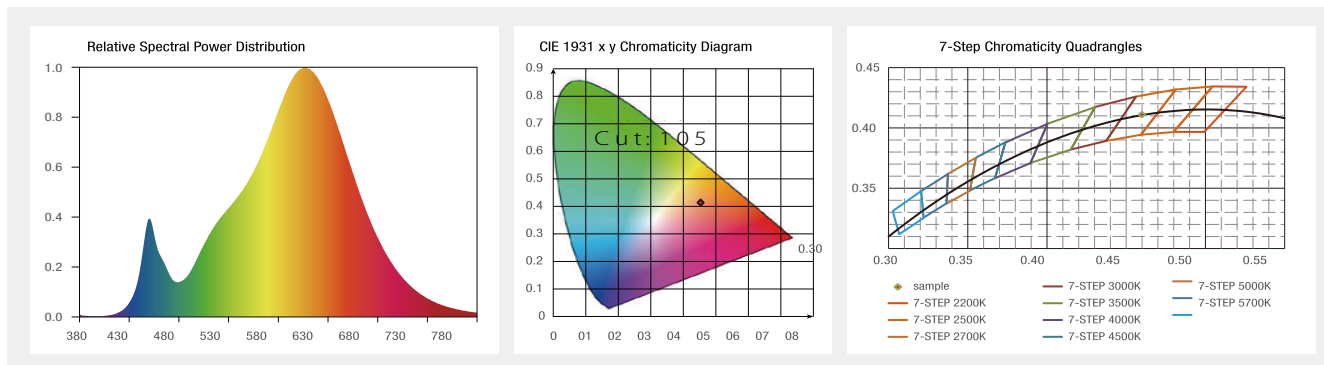| Series | Installation Type | Wattage | Efficacy | Driver | | CCT / CRI | FINISH |
|---|---|---|---|---|---|---|---|
| ☐ LUMEO-R4 | ☐ NC  New Construction<br>☐ RM  Remodel | ☐ -05 (5W)<br>☐ -07 (7W)<br>☐ -09 (9W) | ☐ 85lm/w<br>☐ 100lm/w<br>☐ 110lm/w | ☐ SV | Single-Volt -120Vac<br>(Triac /ELV Dim,5%-100%) | ☐ 27 (2700K/85CRI)<br>☐ 30 (3000K/85CRI)<br>☐ 35 (3500K/85CRI)<br>☐ 40 (4000K/85CRI)<br>☐ 50 (5000K/85CRI)<br>☐ 60 (6000K/85CRI)<br>☐ 65 (6500K/85CRI)<br>☐ 5C (27K-30K-35K-40K-50K)<br>☐ 5C1 (27K-30K-40K-50K-60K)<br>☐ WD* (1800K-3000K)<br><br>*Note: WD= Warm Dim | ☐ WHT ( Matt White )<br>☐ BLK ( Matt Black )<br>☐ SLV ( Matt Silver )<br>☐ BN ( Brush Nickel ) |
| | | | | ☐ MV1 | Multi-Volt -120-277Vac<br>(0-10V Dim,5%-100%) | | |
| | | | | ☐ MV2 | Multi-Volt -120-347Vac<br>(0-10V Dim,5%-100%) | | |
| | | | | ☐ DALI | Multi-Volt -120-277Vac<br>(DALI Dim,5%-100%) | | |
| | | | | ☐ WIFI | Multi-Volt -120-277Vac<br>(Tuya App-Smart dimming) | | |
| | | | | ☐ ZIGBEE | Multi-Volt -120-277Vac<br>(Tuya App-Smart dimming) | | |
| | | | | ☐ POE | Rj45 connector ( customized<br>by customer's control sys.) | | |
| | | | | *Note: EM Backup is pending | | | |

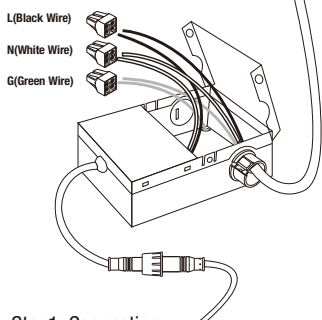**1: Special specifications and made-to-order options require a minimum order quantity**

# LUMEO-R4

## PHOTOELECTRICITY

Relative Spectral Power Distribution

CIE 1931 x y Chromaticity Diagram

Cut:105

7-Step Chromaticity Quadrangles

| sample | 7-STEP 3000K | 7-STEP 5000K |
| 7-STEP 2200K | 7-STEP 3500K | 7-STEP 5700K |
| 7-STEP 2500K | 7-STEP 4000K | |
| 7-STEP 2700K | 7-STEP 4500K | |

## ASSEMBLY INSTRUCTIONS:

**Fig.1**

L(Black Wire)
N(White Wire)
G(Green Wire)

**Step1: Connecting**

Using wire nuts, connect green ground wire of cable to green wire on box. Connect white wire of cable to white of box. Connect black wire of cable to black wire of box.
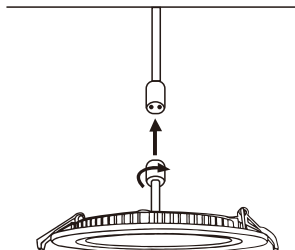
**Fig.2**

Ceiling
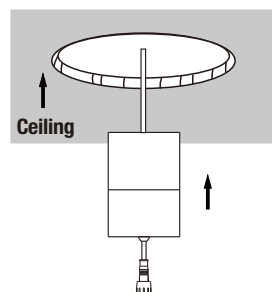
**Step2: Inserting**

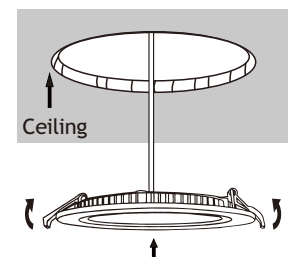Insert hardwire box through the mounting hole.

**Fig.3**

**Step3: Twisting**

Connect the fixture to the hardwire box by inserting and twisting the male/female connectors.

**Fig.4**

Ceiling

**Step4: Pushing**

Push spring loaded clips on the fixture upwards and insert fixture base in to the mounting hole. Release the clips and fixture will be pulled flush to the ceiling.

**STOP** READ ENTIRE INSTALLATION PROCEDURE BEFORE YOU BEGIN!

### ⚠ WARNINGS AND CAUTIONS

SHUT OFF POWER AT THE CIRCUIT BREAKER OR FUSE PANEL BEFORE REMOVING THE OLD FIXTURE AND/OR INSTALLING A NEW ONE.
Read entire installation procedure before you begin and save instructions for future reference.

If unsure whether the electrical box is properly grounded, or the box is plastic and has no ground wire, or are unfamiliar with the methods of properly grounding fixture, consult a qualified electrician.

RISK OF ELECTRIC SHOCK
• Turn power o ⊠before inspection, installation or removal.
• Properly ground electrical enclosure.

RISK OF FIRE
• Follow all NEC and local codes.
• Use only UL or IEC approved wire for input/output connections. Minimum size 12 AWG (2.5mm). $^2$

Electrical Requirements
• The LED luminaire must be connected to the mains supply according to its ratings on the product label.

Grounding Instructions
• The grounding and bonding of the overall system shall be done in accordance to local electric code of the country where the luminaire is installed.

Important Safety Information

• Suitable for **INDOOR** damp locations.
• Do not look directly at LEDs for extended period of time.
• Turn power o ⊠before servicing.
• Do not leave bare wires exposed.
• Use Minimum 90°C supply conductors. For additional electrical requirements, see fixture.