LUMEO-R6

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	12W
DELIVERED LUMENS	Up to 1020 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

DIMENSIONS

12mm

171mm

Ø158mm

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

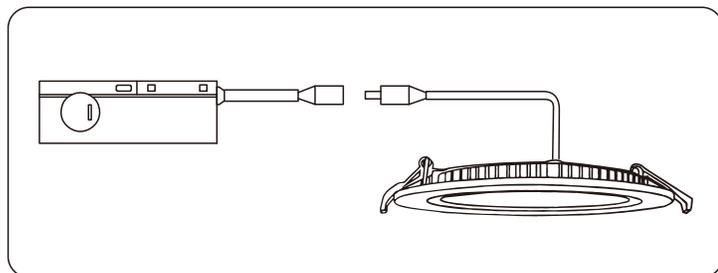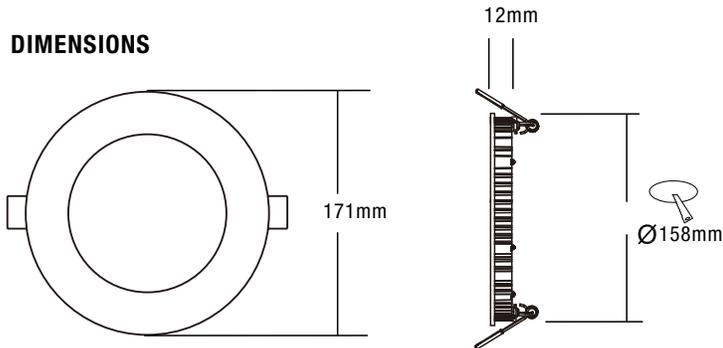☐ Matt White   ☐ Matt Black   ☐ Matt Silver   ☐ Brush Nickel

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-R6

MAXTAR™ Lighting

ASSESSORY AVAILABLE

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

LUMEO-R6-NM1

LUMEO-R6-NM2

Clamp Connector-1/2" Trade Size NM cable

LUMEO-R6-NM3

Extension Cable-2Pin

LUMEO-R6-FLEX6 (6ft)
LUMEO-R6-FLEX10 (10ft)
LUMEO-R6FLEX20 (20ft)

Extension Cable-3Pin

LUMEO-R6-FLEX63 (6ft)
LUMEO-R6-FLEX103 (10ft)
LUMEO-R6-FLEX203 (20ft)

RIP With bars

LUMEO-R6-RIP-Bar

Rough In Plate

LUMEO-R6-RIP

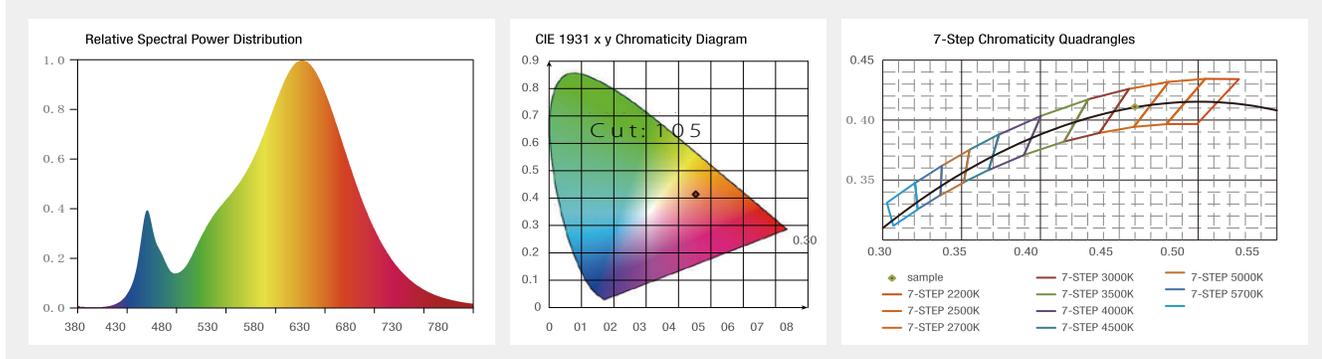| DESCRIPTION	CHARAMETERS
Watt	5W/7W/9W/10W/12W
Color temperature	1CCT, 5CCT, DIM-TO-WARM
CRI	85+
Lumens/Watt	85+
Ambient Temperature	−40°C to +40°C (-4 °F-104°F)
Input voltage	120V / 100-277V/100-347V
Input frequency	50/60 Hz
Dimmable	Triac/ELV/0-10V/Dali Dimming
Approved Location	Insulated ceiling, 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

6" NEW CONSTRUCTION / REMODEL **(STANDARD:LUMEO-R6-RM-12-SV5C-WHT)**

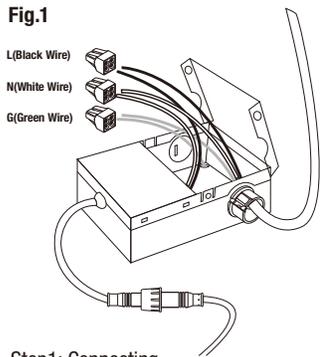| Series	Installation Type	Wattage	Lumen	Driver		CCT / CRI	FINISH
☐ LUMEO-R6	☐ NC New Construction ☐ RM Remodel	☐ -05 (5W) ☐ -07 (7W) ☐ -09 (9W) ☐ -10 (10W) ☐ -12 (12W)	☐ 425lm ☐ 595lm ☐ 765lm ☐ 850lm ☐ 1020lm	☐ SV ☐ MV1 ☐ MV2 ☐ DALI ☐ WIFI ☐ ZIGBEE ☐ POE *Note: EM Backup is pending	Single-Volt -120Vac (Triac /ELV Dim,5%-100%) Multi-Volt -120-277Vac (0-10V Dim,5%-100%) Multi-Volt -120-347Vac (0-10V Dim,5%-100%) Multi-Volt -120-277Vac (DALI Dim,5%-100%) Multi-Volt -120-277Vac (Tuya App-Smart dimming) Multi-Volt -120-277Vac (Tuya App-Smart dimming) Rj45 connector (customized by customer's control sys.)	☐ 27 (2700K/85CRI) ☐ 30 (3000K/85CRI) ☐ 35 (3500K/85CRI) ☐ 40 (4000K/85CRI) ☐ 50 (5000K/85CRI) ☐ 60 (6000K/85CRI) ☐ 65 (6500K/85CRI) ☐ 5C (27K-30K-35K-40K-50K) ☐ 5C1 (27K-30K-40K-50K-60K) ☐ WD* (1800K-3000K) *Note: WD= Warm Dim	☐ WHT (Matt White) ☐ BLK (Matt Black) ☐ SLV (Matt Silver) ☐ BN (Brush Nickel)

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

LUMEO-R6

PHOTOELECTRICITY

Relative Spectral Power Distribution

CIE 1931 x y Chromaticity Diagram

Cut:105

7-Step Chromaticity Quadrangles

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

ASSEMBLY INSTRUCTIONS:

Fig.1

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

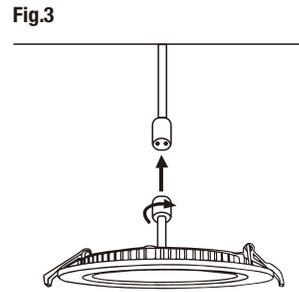**Step1: Connecting**

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
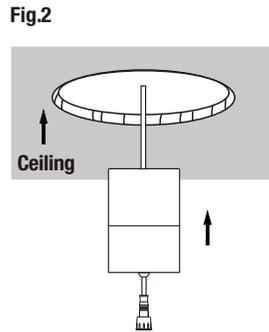
Step2: Inserting

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
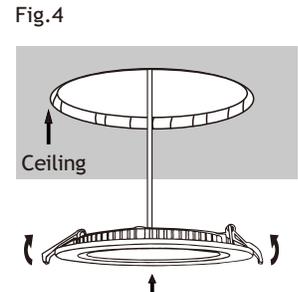
Ceiling

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.