

OVERVIEW

Exceptional light quality. One fixture, two light options.

A premium 4-inch low-voltage downlight with a slim 1.14" profile and an IC-rated, air-tight, sealed housing. Choose a warm 3000K fixed-color fixture or the tunable white model for full control, both on one 24V DC system that shares the power supply and controller with your LED tape.

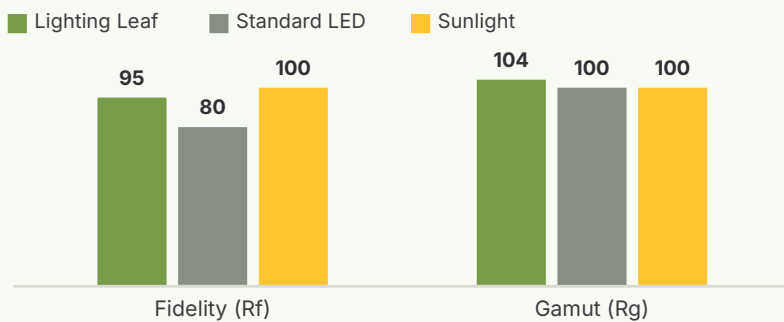
- ✓ **Sun-like light:** full-spectrum LED, CRI 95+, R9 90+.
- ✓ **Healthier spaces:** natural light that helps avoid the fatigue, eyestrain and headaches of low-quality lighting.
- ✓ **No ceiling housing:** the driver lives at the power supply, not in the ceiling.
- ✓ **Cooler and safer:** Class 2 low voltage at the fixture, longer fixture life.



4" 24V DC recessed downlight
1.14" deep • IC-rated • air-tight

LIGHT QUALITY

TM-30 color quality comparison



CRI 95+ R9 90+

Measured light quality

CRI (Ra): 94.7
Average Ri (R1-R15): 93.0
TM-30 Rf (fidelity): 95
TM-30 Rg (gamut): 104

FEATURES AND BENEFITS

Sun-like light

Full-spectrum LED. CRI 95+, R9 90+.
True-to-life color.

Two light options

3000K fixed, or tunable white 2700-6000K.

Slim trim profile

1.14" deep. No separate housing needed.

Safe and compliant

UL 2108 system, IC-rated, air-tight, code-ready.

Flicker-free dimming

Smooth dimming from 100% down to a soft glow.

Low-voltage 24V DC

Cooler running, longer life, safer at the ceiling.

ORDER CODES

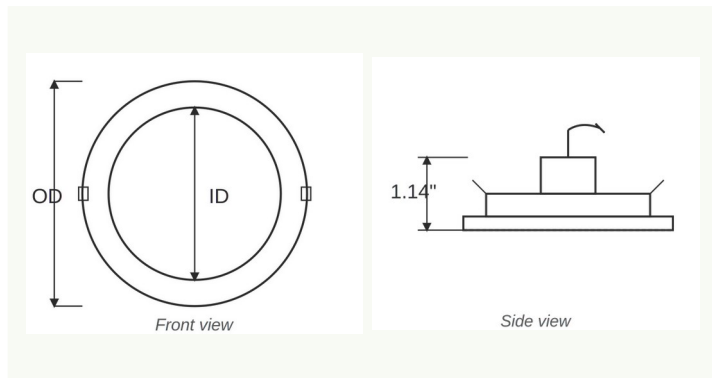
Part number	Light	Power	Output	Wiring
MT-CLR942420	4" 3000K fixed warm white	9 W	785 lm	2-wire, 24V DC
MT-CLR1042420	4" tunable white 2700-6000K	10 W	928 lm	3-wire, 24V DC

Both models share the same trim, cut-out and dimensions. Full specifications on page 2.

SPECIFICATIONS

Specification	MT-CLR942420 • 3000K fixed	MT-CLR1042420 • Tunable white
Aperture	4 inch	4 inch
Input voltage	24V DC	24V DC
Power	9 W	10 W
Color temperature	3000K (fixed)	2700K - 6000K
Lumen output	785 lm	928 lm
CRI / R9	95+ / 90+	95+ / 90+
Beam angle	120°	120°
Dimming	PWM via Lighting Leaf controller	PWM via Lighting Leaf controller
Wiring	2-wire	3-wire
Ingress protection	IP20	IP20
Type / certification	UL 2108 • IC-rated	UL 2108 • IC-rated

DIMENSIONS • IDENTICAL FOR BOTH MODELS



Outside diameter (OD)	5.70"
Inside diameter (ID)	4.00"
Depth	1.14"
Cut-out	4.50" - 5.25"
Wire lead	7.50"
Weight	5 oz

CENTRALIZED 24V DC SYSTEM

The driver lives at the power supply, not in the ceiling. A 24V DC system removes high voltage at the fixture: cooler operation, longer fixture life, a safer working voltage and a cleaner ceiling install.

One low-voltage controller drives many fixtures with smooth, flicker-free dimming.

Do not connect the fixture directly to high voltage.

MATCHING PARTS

Part number	Use
PS-24V200WND	24V DC 200 W Class 2 power supply
RF-WIFI-CNTRL-5CH-4A	RF + Wi-Fi controller
RF-WSR-SCDIM-BTR-WH	Wall remote, 3000K model
RF-WSR-CCT-BTR-WH	Wall remote, tunable white model
Wiring guide	lightingleaf.com/resources

FOR PROFESSIONAL INSTALLERS AND AUTHORIZED DEALERS

Sold only through authorized Lighting Leaf partners. Not for DIY installation. Datasheets and installer resources: lightingleaf.com/resources • sales@lightingleaf.com