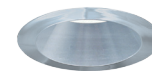


CATALOG #	TYPE
JOB NAME	VOLTAGE

RADIANCE™ 4" Round Downlight Tunable† White LED • 1650-8000 CCT

†Circadian Rhythm Automated Control Versions Available
(See Option -LWC)

MRR-04752-1300L



Up to 50,000 Hour Life
Open Appearance

Specifications

Delivered System Performance*

- Lumen Series:
 - 1300L: 1300 nominal lumens.
- Distribution: WFL.
- 30 watts nominal power consumption.
- araya⁵ Logic Module (ALM) - Included**
- <2 MacAdam ellipse color consistency over 50,000 hours.
- On board thermal turndown.
- Inline spectral capture and storage gives consistent CRI and CCT across all arrays.
- Scene set (by others) allows up to 5 scenes to be pre-programmed and recalled using either 0-10V dimmer or Bluetooth.

Dimming & Color Control Interface Included (Also see Options):

- 0-10V with Bluetooth BLE included or see Options. Dims to 1%.

5 Color LED Array

- Tunable range: 1650 - 8000°K.
- CRI: 90+ standard.

- Dimmable to 1% at constant CCT
- L70 of 50,000 hours.

LED Power Supply - INTERNAL

- 120-277V / 50-60Hz input. Load insensitive.
- Suitable for outdoor / indoor use: -30°C (-22°F) to 50°C (122°F).

Trim (Also see Options)

- Low brightness clear SofTex™ aluminum self-flanged downlight trim with tempered glass lens above.

Acrylic Enameled Aluminum Housing

- Rustproof and corrosion resistant: Exceeds 1000 hour ASTM 5% salt spray test.
- Shallow depth fits restricted plenums.
- Cool operation: Extends life of all components.
- Fully sustainable: Entire luminaire, including LED light engine, is modular, easily visible and serviced through aperture.
- Built-in plaster flange.

Outlet Box

- UL listed J-box with insulated removable cover. Prewired 14 GA (NEC) with ½" and ¾" knockouts.

Installation

- Recess indoor or outdoor.
- Accommodates ceilings up to 1-1/8" thick.
- Compatible with fire rated enclosures (by others).
- 27" galvanized hanger bars with adjustable mounting brackets (2) supplied.

UL, C-UL (Canada) Listings

- Wet, damp or dry locations, covered ceilings.
- Type Non-IC: Not for direct contact with insulation.
- Through-branch conductors (4 #12 AWG 90°C).

IEC & FCC Compliance

- Meets IEC/EN 61000-3-2 electromagnetic compatibility standard.
- FCC Part 15 certified for EMI/RFI emissions.

5
year

FIVE YEAR

Limited Warranty

- Complete standard fixture.

MUST SPECIFY	OPTIONAL	
Product Number	Dimming & Color Control Options	Options
MRR-04752-1300L	-DMX (DMX512A-RDM) -LWC (Legrand Wattstopper)	See "Options" below

Ordering Example:
MRR-04752-1300L-DMX-30

Options

Input Power

- 97 Specify other voltage. Consult factory.

Dimming & Color Control Interface: Specify One (Controls by Others)

- DAL For DALI system controls. Consult factory.
- DMX For DMX512A-RDM controls. Dim to black.
- ECO For Lutron EcoSystem controls. Dim to black. Consult factory.
- LWC For Legrand Wattstopper controls. Dim to black.

Trims

- 30 All white acrylic enameled trim.
- 31 White acrylic enameled trim flange.
- 32 White oversize trim ring. Specify O.D.
- 37 Dark Bronze acrylic enameled trim.
- 38 Black acrylic enameled trim.
- 37F Dark Bronze acrylic enameled trim flange.
- 38F Black acrylic enameled trim flange.
- 45 Gasket between trim flange and ceiling.
- 62 Clear specular self-flanged trim.
- 94 Custom color/finish. Specify. Consult factory.

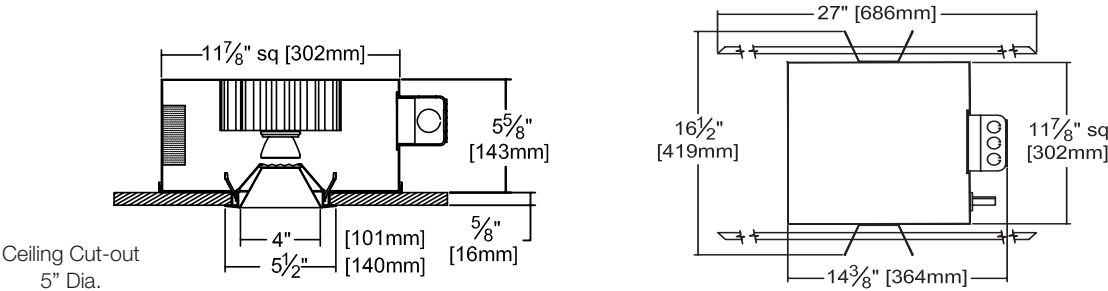
Other

- 79 Extension collar for ceilings up to 2" thick.
- 99 Special modification. Consult factory.
- FS Single in-line fuse.
- SH Sealed housing and junction box.

Also see
MCD-04010
for 0-10V
wall control



Dimensions

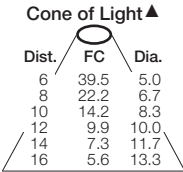


Detailed Photometry - Installed Fixture

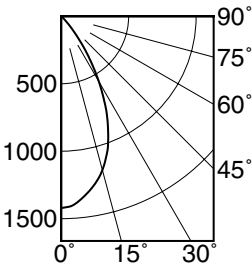
Photometry from I.T.L., Boulder, CO

Photometric testing done in accordance with IESNA LM-79

Lumens: 1065
Beam: ~45°
SC: 0.9
LPW: 29
Efficiency: 53.3%
ITL Test: 91523



Total System Watts 37.4



CANDLEPOWER DISTRIBUTION					
	0.0	22.5	45.0	67.5	90.0
0	1421	1421	1421	1421	1421
5	1383	1383	1383	1383	1383
15	1180	1180	1180	1180	1180
25	801	801	801	801	801
35	326	326	326	326	326
45	39	39	39	39	39
55	1	1	1	1	1
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Multiplier Values
(non-dimmed)

Tested with
circadian module
set at 3500°K

CCT	LUMEN FACTOR	WATTAGE FACTOR	LPW FACTOR
1650	0.550	0.651	0.84
2000	0.724	0.739	0.98
2500	0.947	0.900	1.05
3000	1.004	1.007	1.00
3500	1.000	1.000	1.00
4000	0.984	0.992	0.99
4500	0.972	1.006	0.97
5000	0.950	1.021	0.93
5500	0.905	0.974	0.93
6000	0.839	0.884	0.95
6500	0.782	0.834	0.94
7000	0.723	0.793	0.91
7500	0.680	0.765	0.89
8000	0.641	0.739	0.87

LM-79 Certified Photometry

* LED manufacturers maintain a tolerance of ±7% on flux (lumens) and power (electrical) measurements. Kirlin photometrics are actual test data from Independent Testing Laboratories (ITL) where photometry was measured from 2000 lumen (-1300L) light engines (within the established tolerance).

▲ Cone of Light Key
Dia. (in ft.) shown is where FC value is half the FC at nadir.

Dist. Distance (Ft.) from fixture
FC Footcandles at nadir (0°)
Dia. Circle of light at 50% of FC

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME

TYPE

CATALOG NUMBER

VOLTAGE

