

HOUSING

- 1. MINIMAL RECESSED HEIGHT**
Shallow 3.5" Housing Provides Maximum Plenum Clearance.
- 2. ONE-PIECE EXTRUDED ALUMINUM HOUSING**
Ensures Straighter Rows and Consistent Lens Retention.
- 3. MULTIPLE CEILING SYSTEMS**
Engineered to be Installed within Multiple Ceiling Applications; See Options Below for Available Mounting Types.

OPTICAL SYSTEM

- 4. EVENLY ILLUMINATED ARCHITECTURAL LENS**
Architectural Grade Diffuser is Utilized to Establish Optimal Aesthetic Value without Sacrificing High Efficiency Light Output. The Optional Lower Illuminated Edge lens adds an elegant accent and reduces the side glare.
- 5. VERSATILE LIGHT ENGINE**
Multiple Lumen Intensities Provide the Correct Level of Illumination Within Each Space.

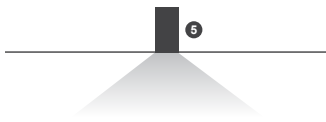
ELECTRICAL

- 6. OPTIONAL INTEGRAL EMERGENCY BATTERY PACK**
UL Listed 924 (Pending) Emergency System has been Engineered to Exceed UL Minimum Safety Standards.
- 7. 0-10 VOLT DIMMING STANDARD**
See Options Below for Additional Dimming Options.

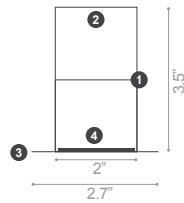
ILLUMINATED CORNERS

Precision Welded Illuminated 2-Foot x 2-Foot 90° Horizontal Corners are Available in a Variety of Options.

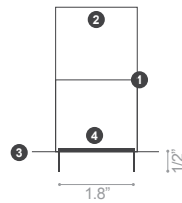
LIGHT DISTRIBUTION: SD



CROSS-SECTION: SD



CROSS-SECTION: LE



ORDERING GUIDE EX: R2-006-H2-01-UNV-30-T1-W-0-10-EM-LE

SERIES	LENGTH ¹	OUTPUT ²	RATIO ³	VOLTAGE	CCT	MOUNTING	COLOR ⁵	DIRECT OPTICS	ORDERING	
									DIMMING	
R2			01							
	XXX FT <small>1" INCREMENTS EX: 4" = 004</small>	H2 1200 LM/FT M 600 LM/FT	01 0/100	UNV <small>120-27V</small>	30 3000K 35 3500K 40 4000K	T1 1" T GRID T9 9/16" T GRID TG 1" T-TEG GRID TG9 9/16" T-TEG GRID	OF OVERLAP FLANGE SF SPACKLE FLANGE SC SCREW SLOT GRID	W WHITE	SD SYMMETRICAL DOWN LIGHT	0-10 1% 0-10V DIMMING DALI DALI DIMMING ND NO DIMMING
		H1 1000 LM/FT H 800 LM/FT	L 400 LM/FT C ⁶ CUSTOM							

OPTIONS

- CZ** CUSTOM LINEAR ZONING
- ETS** EMERGENCY TRANSFER SWITCH
- OS** OCCUPANCY SENSOR
- C90**⁴ 90 CRI
- EM** EMERGENCY BATTERY PACK
- EC**⁷ EMERGENCY CIRCUIT
- DOS** DUAL DAYLIGHT & OCCUPANCY SENSOR
- LE** LOWER ILLUMINATED EDGE

¹ Nominal length; 2" Minimum Length

² Nominal lumens per foot

³ Ratio defined as percentage of light illuminated upwards versus percentage of light illuminated downwards

⁴ 80 CRI standard

White standard; Consult factory for additional color options

⁵ Contact factory for available configurations and additional lead times

⁶ Standard EC Illuminates Entire 8" Fixture Section. For Custom Options

⁷ Please Consult Factory



SPECIFICATIONS

MECHANICAL

Housing Construction:

Extruded Aluminum 6063-T5 alloy outer housing with die-formed steel internal components for strength, alignment, and mounting attachment.

Alignment/Assembly:

The Sure-Fit alignment system employs a four-point alignment and attachment method, designed to create straighter rows and minimize seams between sections (field assembled). Four alignment pins ensure the outer extruded aluminum rails are aligned, while a draw-screw secures housing-to-housing attachment.

Lengths:

The R2 is available in a minimum 2-foot (24") length with additional 1-foot (12") increments available. Longer fixture rows are available and will be configured per Lumato factory specifications; typical rows are configured with 8 and 6 foot fixtures.

Mounting Method/Hardware:

The R2 is designed for lay-in grid ceilings or "Hard" sheet rock construction. Hard ceiling installations can be supplied for overlapping flange or "Trimless" spackle flange types.

Exterior Finish:

The R2 is available in White polyester powder coat finish to ensure durability. Luminaires are available in any RAL color as an option.

OPERATION

Light Engine:

The R2 is available in 3000K, 3500K & 4000K CCT all within a 2.5-Step MacAdam Ellipse and has a standard CRI of 80+ with a 90+ CRI option available.

Optics:

The back lit extruded acrylic lens ensures high-efficiency light output, in a minimal form factor for a clean, evenly illuminated lower surface with minimal glare. The optional Lower Illuminated Edge lens adds an elegant accent and reduces the side glare.

Electrical:

Class 2 programmable (factory pre-set) premium power supply, 120-277VAC input. Power factor >0.9. THD <15%. Integral Surge Protection to 2KV.

Dimming:

The R2 comes standard with 0-10V dimming and DALI dimming is available as an option. The 0-10V control allows dimming down to 1% while DALI also allows for dimming to 5%.

Optional Controls:

The R2 is available with optional integrated daylight and occupancy sensors. Sensors may extend the length of the luminaire and are located at the end of a row, near the power feed. Contact factory for custom locations.

GENERAL

Warranty:

Five (5) year limited warranty from date of shipment, covers LED's, driver, and luminaire. Optional accessories are covered by their individual manufacturers warranties.

Lumen Maintenance:

Rated for 85% initial lumen output (L85) at 50,000 Hours of operation, operated at 25C ambient temperature; per TM-21 Guidelines published by the Illuminating Engineering Society (IES).

Certification

All Luminaires are UL and cUL Listed, approved for Dry/Damp locations.

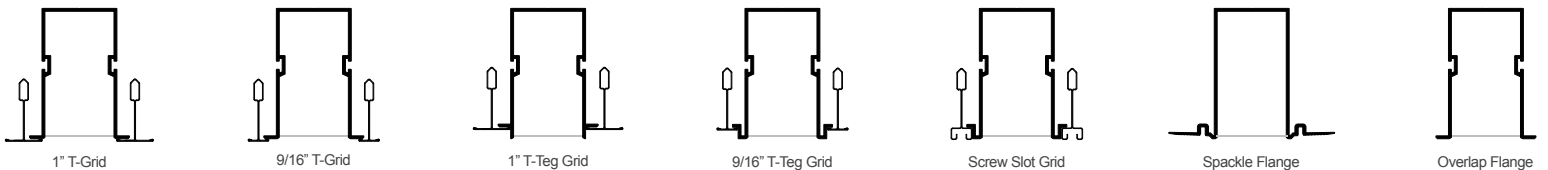
Made in the USA

All Lumato Luminaires and Components (with the exception of our LED boards and drivers) are proudly manufactured and assembled in the USA.

ILLUMINATED CORNERS

Contact your sales associate for more information.

MOUNTING OPTIONS

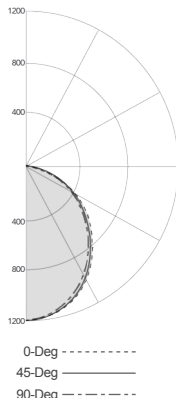


PHOTOMETRICS

ENERGY CONSUMPTION

R2-004-H-01-UNV-30-T1-W-SD

Total Lumens: 2943.76
Ratio: 0% Up and 100% Down
Wattage: 24.8
Efficacy: 118.7 (Lumens Per Watt)
Fixture Length: Four Feet

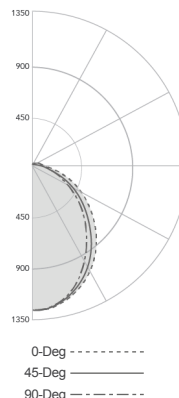


Zonal Lumen Summary

Zone	Lumens	% Fixt
0 - 30	887	30.1
0 - 40	1413	48.0
0 - 60	2379	80.8
0 - 90	2943	100.0
90 - 180	0	0.0
0 - 180	2943	100.0

R2-004-H-01-UNV-30-T1-W-LE

Total Lumens: 3156.3
Ratio: 0% Up and 100% Down
Wattage: 27
Efficacy: 116.9 (Lumens Per Watt)
Fixture Length: Four Feet



Zonal Lumen Summary

Zone	Lumens	% Fixt
0 - 30	937	29.7
0 - 40	1482	47.0
0 - 60	2451	77.7
0 - 90	3021	95.7
90 - 180	136	4.3
0 - 180	3159	100.0

Watts Per Linear Foot

Symmetrical Down Light

	H2:1200	H1:1000	H:800	M:600	L:400
Watts/Ft.	10.3	8.6	6.7	5.2	3.1