

HOUSING

- 1. MINIMAL RECESSED HEIGHT**
Shallow 3.5" Housing Provides Maximum Plenum Clearance
- 2. ONE-PIECE EXTRUDED ALUMINUM HOUSING**
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

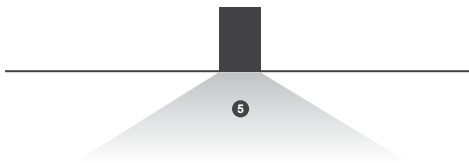
OPTICAL SYSTEM

- 4. EVENLY ILLUMINATED ARCHITECTURAL LENS**
Architectural Grade Diffuser is Utilized to Establish Optimal Aesthetic Value without Sacrificing High Efficiency Light Output.
- 5. VERSATILE LIGHT ENGINE**
Multiple Lumen Intensities Provide the Correct Level of Illumination Within Each Space

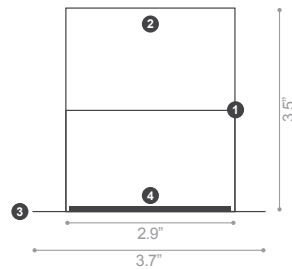
ELECTRICAL

- 6. OPTIONAL INTEGRAL EMERGENCY BATTERY PACK**
UL Listed 924 Emergency System has been Engineered to Exceed UL Minimum Safety Standards.
- 7. 0-10 VOLT DIMMING TO 1% STANDARD**
See Options Below for Additional Dimming Options

LIGHT DISTRIBUTION



CROSS-SECTION



										ORDERING
SERIES	LENGTH ¹	OUTPUT ²	RATIO ³	VOLTAGE	CCT	MOUNTING		COLOR ⁴	DIRECT OPTICS	DIMMING
R 3			01						SD	
	XXX FT 1" INCREMENTS EX: 4" = 004	H2 1200 LM/FT H1 1000 LM/FT H 800 LM/FT M 600 LM/FT L 400 LM/FT C ⁵ Custom	01 0/100	12 120V 27 277V	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 SC SCREW SLOT GRID	OF OVERLAP FLANGE SF SPACKLE FLANGE	W WHITE	SD SYMMETRICAL DOWN LIGHT	0-10 1% 0-10V DIMMING DALI DALI DIMMING ND NO DIMMING

OPTIONS

SS-A/B SEPARATE SWITCHING LINEAR ZONES	DS DAYLIGHT SENSOR	FS FUSING
SC-A/B SEPARATE CIRCUIT LINEAR ZONES	OS OCCUPANCY SENSOR	C90 ⁶ 90 CRI
EM EMERGENCY BATTERY PACK	DOS DUAL DAYLIGHT & OCCUPANCY SENSOR	
EC ⁷ EMERGENCY CIRCUIT		
NC NIGHT LIGHT CIRCUIT		
GTD GENERATOR TRANS. DEVICE		

¹Nominal length; 2" Minimum Length

²Nominal lumens per foot

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

⁴80 CRI standard

⁵White standard; Consult factory for additional color options

⁶Contact factory for available configurations and additional lead times

⁷Standard EC Illuminates Entire 8' Fixture Section. For Custom Options Please Consult Factory



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). Two alignment tabs ensure the outer extruded aluminum rails are aligned, while two draw-screws secure housing-to-housing attachment.

Lengths:

The R3 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-foot fixtures.

Mounting Method/Hardware:

The R3 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 R3 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 R3 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.

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 R3 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 R3 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).

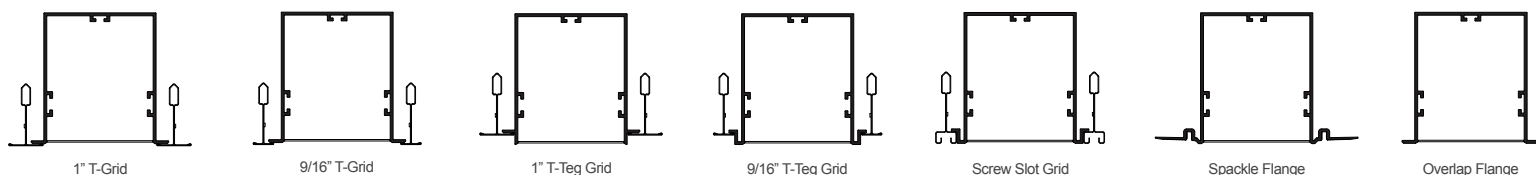
Certification

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.

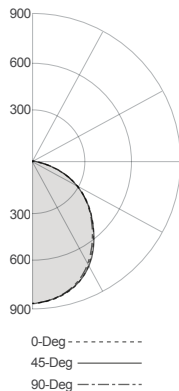
MOUNTING OPTIONS



PHOTOMETRICS

R3-4-M-01-12-30-XX-X

Total Lumens: 2,321
Ratio: 0% Up and 100% Down
Wattage: 22.50
Efficacy: 103.2 (Lumens Per Watt)
Fixture Length: Four Feet



Zonal Lumen Summary

Zone	Lumens	% Fixt
0 - 30	666	28.7
0 - 40	1072	46.2
0 - 60	1842	79.4
0 - 90	2321	100.0
90 - 180	0	0.0
0 - 180	2321	100.0

Coefficients Of Utilization

RC	80				70				50			
	RW	70	50	30	10	70	50	30	10	50	30	10
0	119	119	119	119	116	116	116	116	111	111	111	111
1	109	104	100	96	106	102	98	94	97	94	91	91
2	99	91	84	78	96	89	83	77	85	80	76	76
3	90	80	72	65	88	78	71	65	75	69	63	63
4	83	71	62	55	80	70	61	55	67	60	54	54
5	76	63	54	48	74	62	54	48	60	53	47	47
6	70	57	48	42	69	56	48	42	54	47	41	41
7	65	52	43	37	64	51	43	37	50	42	37	37
8	61	47	39	33	59	47	39	33	45	38	33	33
9	57	44	35	30	56	43	35	30	42	35	30	30
10	53	40	32	27	52	40	32	27	39	32	27	27

ENERGY CONSUMPTION

Watts Per Linear Foot

	H2:1200	H1:1000	H:800	M:600	L:400
0/100	12.53	9.575	7.83	5.63	4.03
Lumens/Ft.	1,229.00	957.25	786.75	580.25	399.75
Lumens/W	98.1	100.0	100.5	103.2	99.3