

OPTICAL SYSTEM

1. VERSATILE LIGHT ENGINE

Multiple Lumen Intensities Provide the Correct Level of Illumination Within Each Space.

2. EVENLY ILLUMINATED LOWER LENS

High Efficiency Diffuser Designed to Minimize Glare and Provide Uniform Light Distribution. Lower Illuminated Edge lens adds an elegant accent and reduces the side glare.

HOUSING

3. ARCHITECTURAL DETAILS

Concealed Connection Point Between the Wall and Fixture Eliminates the Visibility of Hardware.

4. SURE-FIT ALIGNMENT

4-Point Alignment System Adjoining Each Luminaire Section to Ensure Straighter Rows While Minimizing the Appearance of Seams.

ELECTRICAL

5. OPTIONAL INTEGRAL EMERGENCY BATTERY PACK

UL Listed 924 Emergency System has been Engineered to Exceed UL Minimum Safety Standards.

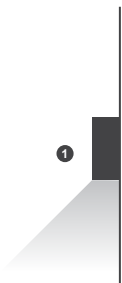
6. 0-10 VOLT DIMMING STANDARD

See Options Below for Additional Dimming Options.

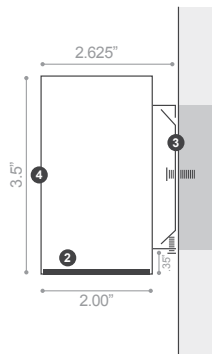
ILLUMINATED CORNERS

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

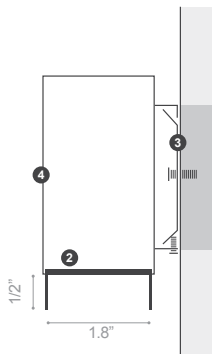
LIGHT DISTRIBUTION



CROSS-SECTION: SD



CROSS-SECTION: LE



ORDERING GUIDE EX: W2-004-H-01-UNV-30-WM-B-SD-0-10-EM

SERIES	LENGTH ¹	OUTPUT ²	RATIO ³	VOLTAGE	CCT	MOUNTING	COLOR ⁵	DIRECT OPTICS	ORDERING
									DIMMING
W2			01			WM			
	XXX FT <small>2' INCREMENTS EX: 4' = 004</small>	H2 1200 LM/FT	01 0/100	UNV <small>120-277V</small>	30 3000K	WM WALL MOUNT	W WHITE	SD SYMMETRICAL DOWN LIGHT	0-10 1% 0-10V DIMMING
		H1 1000 LM/FT			35 3500K		S SILVER		DALI DALI DIMMING
		H 800 LM/FT			40 4000K		G GRAY <small>CHARCOAL</small>		ND NO DIMMING
		M 600 LM/FT					B BLACK		
		L 400 LM/FT							
		C ⁶ CUSTOM							
								OPTIONS	
						EM EMERGENCY BATTERY PACK	OS OCCUPANCY SENSOR		CZ CUSTOM LINEAR ZONING
						EC ⁸ EMERGENCY CIRCUIT	DOS DUAL DAYLIGHT & OCCUPANCY SENSOR		C90 ⁴ 90 CRI
						ETS EMERGENCY TRANSFER SWITCH			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

⁵ White standard; Consult factory for additional color options

⁶ Contact factory for available configurations and additional lead times

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

EM EMERGENCY BATTERY PACK

EC⁸ EMERGENCY CIRCUIT

ETS EMERGENCY TRANSFER SWITCH

OS OCCUPANCY SENSOR

DOS DUAL DAYLIGHT & OCCUPANCY SENSOR

CZ CUSTOM LINEAR ZONING

C90⁴ 90 CRI

LE LOWER ILLUMINATED EDGE



MECHANICAL

Housing Construction:

Extruded Aluminum 6063-T5 alloy outer housing with die-formed steel internal components for strength, alignment, and mounting attachment. Our high-quality die-cast end caps are engineered to conceal all fasteners and to retain the sealing gaskets on the inside of the fixture while completing the clean and minimalistic look of this luminaire.

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 W2 is available in a minimum 2-foot (24") length with additional 2-foot (24") 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 Hidden-Connect design recesses or hides all attachment hardware. Standard mounting hardware includes a galvanized wall cleat with side to side adjusting for final alignment. Position all junction boxes in accordance with final manufacturer submittal drawings. Feed point is on the left hand mounting point for all products longer than 2'; All 2' products have a center feed point.

Exterior Finish:

The W2 is available in White, Black, Silver, or Charcoal Grey polyester powder coat finish to ensure durability. Luminaires are available in any RAL color as an option.

ILLUMINATED CORNERS

Contact your sales associate for more information.

OPERATION

Light Engine:

The W2 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. 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 W2 comes standard with 0-10V dimming. The 0-10V control allows dimming down to 1%. DALI dimming is available as an option and allows for dimming down to 5%.

Optional Controls:

The W2 is available with optional integrated daylight and occupancy sensors. Sensors extend the length of the luminaire and are located at the end of a row, near the power cord. 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.

Angled Connectors

Angled luminaire connectors are available, consult factory for drawings and specifications.

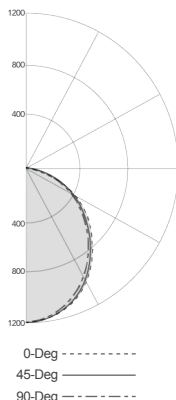
Made in the USA

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

PHOTOMETRICS

W2-004-H-01-UNV-30-WM-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

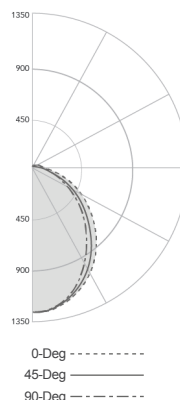


Zonal Lumen Summary

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

W2-004-H-01-UNV-30-WM-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

ENERGY CONSUMPTION

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