

# LINEAR SERIES



DATE PROJECT

COMMENTS

CERTIFICATIONS



## 2WID WALL INDIRECT / DIRECT

AN EXTENSION OF OUR 2-INCH LINEAR FAMILY SERIES

### FEATURES

#### OPTICAL SYSTEM

- 1. OPTIMAL ASYMMETRIC DISTRIBUTION**  
Diffused forward throw optics with high efficiency diffuser properly illuminates the wall, provides even illumination across the ceiling and protects led's from dust and debris.
- 2. VERSATILE LIGHT ENGINE**  
Multiple lumen intensities along with various up/down light options to provide the correct level of illumination within each space.
- 3. EVENLY ILLUMINATED DIRECT LENS**  
High efficiency diffuser designed to minimize glare and provide uniform light distribution.

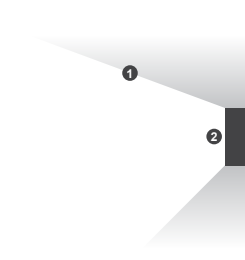
#### HOUSING

- 4. ARCHITECTURAL DETAILS**  
Concealed connection point between the wall and fixture eliminates the visibility of hardware.
- 5. SURE-FIT ALIGNMENT**  
Full-body alignment system adjoins each luminaire section to ensure straighter rows while minimizing the appearance of seams.

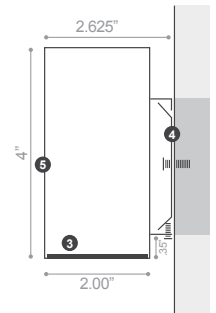
#### ELECTRICAL

- 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 STANDARD**  
120/277VAC 0-10V dimming to 1% standard.

LIGHT DISTRIBUTION



CROSS-SECTION



### ORDERING

SERIES	LENGTH	UPPER OUTPUT			DIRECT OUTPUT			CCT	VOLTAGE	FINISH					
2WID	XXX FT	VHU	1250 LM/FT	LU	500 LM/FT	VHD	1250 LM/FT	LD	500 LM/FT	30	3000K	UNV	120-277V	WH	White
	2' Increments Ex: 20' = 20	HU	1000 LM/FT	VLU	250 LM/FT	HD	1000 LM/FT	VLD	250 LM/FT	35	3500K	347'	347V	BLK	Black
		MU	750 LM/FT	CU	Custom	MD	750 LM/FT	CD	Custom	40	4000K			S	Silver
<b>ORDERING NOTES</b>															
1 EM not available with 347V.															
2 EM not available with 2' and 4' fixtures.															
<b>GR</b> CHARCOAL Gray															

### OPTIONS

CRI	INTEGRATED CONTROLS	OPTICAL	CIRCUITING
BLANK = 80 CRI	OS Occupancy Sensor	BLANK = LAMBERTIAN	SS-U/D Separate Switching UPWARDS/DOWNWARDS
C90 90 CRI	DOS Daylight Occupancy Sensor	BW Upper Batwing	

**FOR INDIVIDUALS**

**EM<sup>2</sup>** Emergency Battery

**EC** Emergency Circuit

**FOR LINEAR RUNS<sup>3,4</sup>**

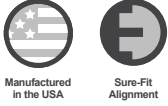
EM	QUANTITY PER RUN*	POSITION IN RUN*
EMERGENCY BATTERY PACK		
EC	QUANTITY PER RUN*	POSITION IN RUN*
EMERGENCY CIRCUIT		

**EMERGENCY OPTION NOTES**

3 EM and EC Quantity is not to exceed number of discrete fixture sections in a row.

4 EM and EC position refers to which fixture in the run that will be powered by the EM/EC circuit.  
Position Options: S=Starter, J=Joiner, E=Enders  
Ex: 2WID-24-HU-HD-35-UNV-WH-EM2SJ

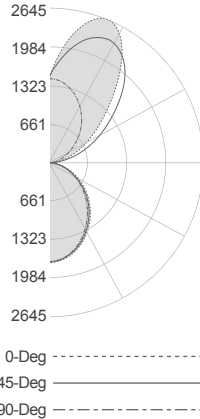
STARTER JOINER ENDER



PHOTOMETRICS & ENERGY CHARTS

**2WID-04-HU-HD-35-UNV-XX-X-AU**

Total Lumens: 8,235  
Ratio: 50% Up & 50% Down  
Wattage: 65.2  
Efficacy: 126.6 LM/W  
Fixture Length: Four Feet



**Zonal Lumen Summary**

Zone	Lumens	% Fixt
0 - 30	1245.1	15.1
0 - 40	1982.2	24.1
0 - 60	3339.1	40.5
0 - 90	4147.4	50.4
90 - 180	4087.4	49.6
0 - 180	8234.8	100.0

**Indirect (Asymmetric) / Direct (Lambertian) Light**

	VHU-VHD	VHU-HD	VHU-MD	VHU-LD	VHU-VLD
<b>Watts/ft</b>	19.5	17.6	15.1	12.7	10.3
<b>Lumens/ft</b>	2421	2264	1989	1741	1480
<b>LPW</b>	124.1	128.9	131.8	137.5	143.8

	LU-VHD	LU-HD	LU-MD	LU-LD	LU-VLD
<b>Watts/ft</b>	14.8	12.8	10.3	7.9	5.6
<b>Lumens/ft</b>	1689	1531	1257	1009	748
<b>LPW</b>	114.4	119.4	121.5	127.4	134.7

	HU-VHD	HU-HD	HU-MD	HU-LD	HU-VLD
<b>Watts/ft</b>	18.2	16.3	13.8	11.4	9.0
<b>Lumens/ft</b>	2216	2059	1784	1536	1275
<b>LPW</b>	121.7	126.6	129.4	135.2	141.8

	VLU-VHD	VLU-HD	VLU-MD	VLU-LD	VLU-VLD
<b>Watts/ft</b>	13.1	11.2	8.7	6.3	3.9
<b>Lumens/ft</b>	1437	1280	1005	757	496
<b>LPW</b>	109.5	114.5	115.5	120.7	127.0

	MU-VHD	MU-HD	MU-MD	MU-LD	MU-VLD
<b>Watts/ft</b>	16.3	14.4	11.9	9.5	7.1
<b>Lumens/ft</b>	1947	1790	1515	1267	1006
<b>LPW</b>	119.3	124.5	127.2	133.7	141.5

SPECIFICATIONS

**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 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. Additional alignment biscuits double as the light shields.

**Lengths:**

The 2WID is available in a minimum 2-foot (nominal) length with additional 2-foot increments available. Longer fixture rows are available and will be configured per Lumato factory specifications; typical rows are configured with 4-foot, 6-foot & 8-foot fixtures. Max run length on one power feed is 72'. Continuous runs over 72' will require 2 power feeds.

**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 the Fixture Row Layouts found on pages 3-5. 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 2WID is available in White and Black polyester powder coat finish to ensure durability.

**Integrated Controls:**

The 2WID is available with optional integrated controls. Sensors are conveniently designed to mount in aperture and are located at the power feed end of each fixture. For runs, each fixture section will be supplied with a discrete sensor that will control that specific section.

**OPERATION**

**Light Engine:**

The 2WID is available in 3000K, 3500K and 4000K CCT all within a 3-Step MacAdam Ellipse and has a standard CRI of 80+. Optional 90+ CRI 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 2WID comes standard with 0-10V dimming down to 1%.

**Emergency Battery Pack:**

UL Listed 924 Emergency System has been engineered to exceed UL Minimum Safety Standards. For most fixtures, the entire direct portion of the fixture will be illuminated by the EM Battery Pack. For 8' VHD, 10' HD and VHD, and 12' MD, HD, and VHD, only the first portion of the fixture will be illuminated by the EM battery pack. "Quantity per Run" refers to the number of fixtures in the run that will be supplied with an emergency battery pack. "Position in Run" refers to which fixture in the run that will contain the battery. Position options are Starter (S), Joiner (J), or Ender (E). For example, a 24' run needing two emergency battery packs, one in the starter and one in the joiner, would be ordered as EM2SJ. When a joiner is selected, battery packs are always supplied in 8' fixtures before 6' fixtures in that run.

**Emergency Circuit:**

Emergency Circuit fixtures are engineered so that the entire fixture is wired to the emergency circuit. "Quantity per Run" refers to the number of fixtures in the run that are wired to the emergency circuit. "Position in Run" refers to which fixture in the run that will be powered by the Emergency Circuit. Position options are Starter (S), Joiner (J), or Ender (E). For example, a 24' run with needing two emergency sections, one in the starter and one in the joiner, would be ordered as EC2SJ. When a joiner is selected, Emergency Circuits are always supplied in 8' fixtures before 6' fixtures in that run.

**GENERAL**

**Warranty:**

Five (5) Year limited warranty from date of shipment..

**Lumen Maintenance:**

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

**Certifications:**

All Luminaires are UL/cUL Listed to UL 1598 Standards and approved for Indoor use in Dry/Damp Locations.

**Shipping:**

2-Week lead time for orders up to 1000 Linear Feet.  
4-Week lead time for orders with a Black finish.  
Lead time for orders greater and 1,000' will be determined at time of order.

**Manufactured 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.