

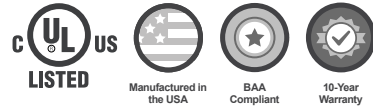
# LINEAR SERIES



DATE PROJECT

COMMENTS

CERTIFICATIONS



## SQ2 WALL DIRECT

FEATURES

### OPTICAL SYSTEM

- 1. VERSATILE LIGHT ENGINE**  
Multiple lumen intensities provide the correct level of illumination within each space.
- 2. SEAMLESS, HIGH EFFICIENCY LIGHT DIFFUSER**  
Seamless, roll-in lens eliminates light leaks, minimizes glare, and provides uniform light distribution.

### ADA COMPLIANT HOUSING

- 3. SURE-FIT ALIGNMENT**  
Full-body alignment system adjoins each luminaire section to ensure straighter rows while minimizing the appearance of seams.

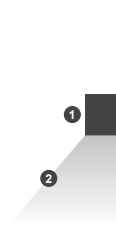
### ELECTRICAL

- 4. EFFICACY**  
Luminaire efficacy up to 107 lumens per watt helps achieve Best in Class power density performance.

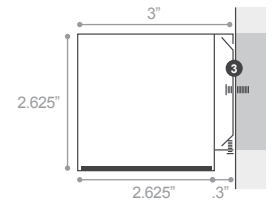
### DIMMING

- 5. 0-10 VOLT DIMMING TO 1% STANDARD**

### LIGHT DISTRIBUTION



### CROSS-SECTION



SAMPLE PART NUMBER: SQ2-W-24-MD-30-UNV-WH

ORDERING

SERIES	LENGTH <sup>1</sup>	OUTPUT		CCT	VOLTAGE	FINISH	ORDERING NOTES
SQ2-W	XX FT	VHD	1250 LM/FT	LD	500 LM/FT	30 3000K UNV	
	2' Increments EX: 20' FT = 20	HD	1000 LM/FT	VLD	250 LM/FT	35 3500K 347 <sup>2</sup>	347V BLK Black
		MD	750 LM/FT	CD	Custom	40 4000K	S Silver GR CHARCOAL Gray

1 Nominal length  
2 EM not available with 347V  
3 EM Not available with 2' fixtures

OPTIONS

CRI	INTEGRATED CONTROLS	FOR INDIVIDUALS	FOR LINEAR RUNS <sup>4,5</sup>		
BLANK = 80 CRI	OS Occupancy Sensor	EM <sup>3</sup> Emergency Battery	EM EMERGENCY BATTERY PACK	QUANTITY PER RUN <sup>4</sup>	POSITION IN RUN <sup>5</sup>
C90 90 CRI	DOS Daylight Occupancy Sensor	EC Emergency Circuit	EC EMERGENCY CIRCUIT	QUANTITY PER RUN <sup>4</sup>	POSITION IN RUN <sup>5</sup>

**EMERGENCY OPTION NOTES**  
4 EM and EC Quantity is not to exceed number of discrete fixture sections in a row  
5 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 = Ender  
Ex: SQ2-W-24-MD-30-UNV-WH-EM2SJ



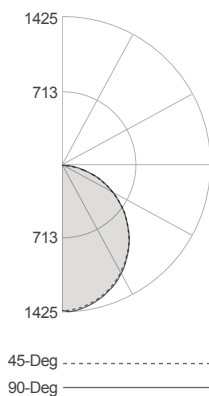
# SQ2 WALL DIRECT



## PHOTOMETRICS & ENERGY CHARTS

### SQ2-W-04-HD-30

Total Lumens: 3957  
Ratio: 0% Up and 100% Down  
Wattage: 37.2  
Efficacy: 106 (Lumens Per Watt)  
Fixture Length: Four Feet



### Zonal Lumen Summary

Zone	Lumens	% Fixt
0 - 30	1084.3	27.4
0 - 40	1765.9	44.6
0 - 60	3099.0	78.3
0 - 90	3956.3	100.0
90 - 180	0.3	0.0
0 - 180	3956.6	100.0

## 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 full height joining biscuit, designed to create straighter rows and eliminate light leak at fixture seams. Two nuts are used to draw fixtures together to secure housing-to-housing attachment.

#### Lengths:

The SQ2 is available in individual 2-foot (25.25"), 4-foot (48"), 6-foot (72"), 8-foot (96"), 10-foot (120"), and 12-foot (144") lengths. Longer fixture rows are available and will be configured per Lumato factory specifications; typical rows are configured with 8-foot fixtures. 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. Each end cap adds 5/16" to the length of each fixture run.

#### Mounting Method/Hardware:

Wall mounting hardware uses 2 galvanized sheet metal mounting cleats with side-to-side adjustability for final alignment. Position all junction boxes in accordance with submittal drawings and installation instructions.

#### Fixture Finish:

The SQ2 fixture finish is available in White, Black, Sliver or Charcoal Gray polyester powder coat finish to ensure durability. Luminaires are available in any RAL color as an option.

#### Integrated Controls:

The SQ2 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 SQ2 is available in 3000K, 3500K, and 4000K CCT all within a 3-Step MacAdam Ellipse and has a standard CRI of 80+ with a 90+ CRI option available.

#### Optics:

Our frosted acrylic roll in lens is designed to maximize efficiency while minimizing glare and eliminating light leaks at fixture joints. Individual fixtures come with lens factory installed while continuous runs will have a separate lens kit installed in the field once the run is hung. This will allow for a continuous/seamless lens up to 100 ft.

#### Electrical:

Class 2 programmable (factory pre-set) premium power supply, 120-277VAC input or 347V. Power factor >0.9 THD<15%. Integral Surge Protection to 2KV.

#### Dimming:

The SQ2 comes standard with 0-10V dimming to 1%.

#### Emergency Battery Pack:

Emergency Battery Pack 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, 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:

Ten (10) 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 25°C ambient temperatures; per TM-21 Guidelines published by the Illuminated Engineering Society (IES).

#### Certifications:

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

#### Manufactured in the USA:

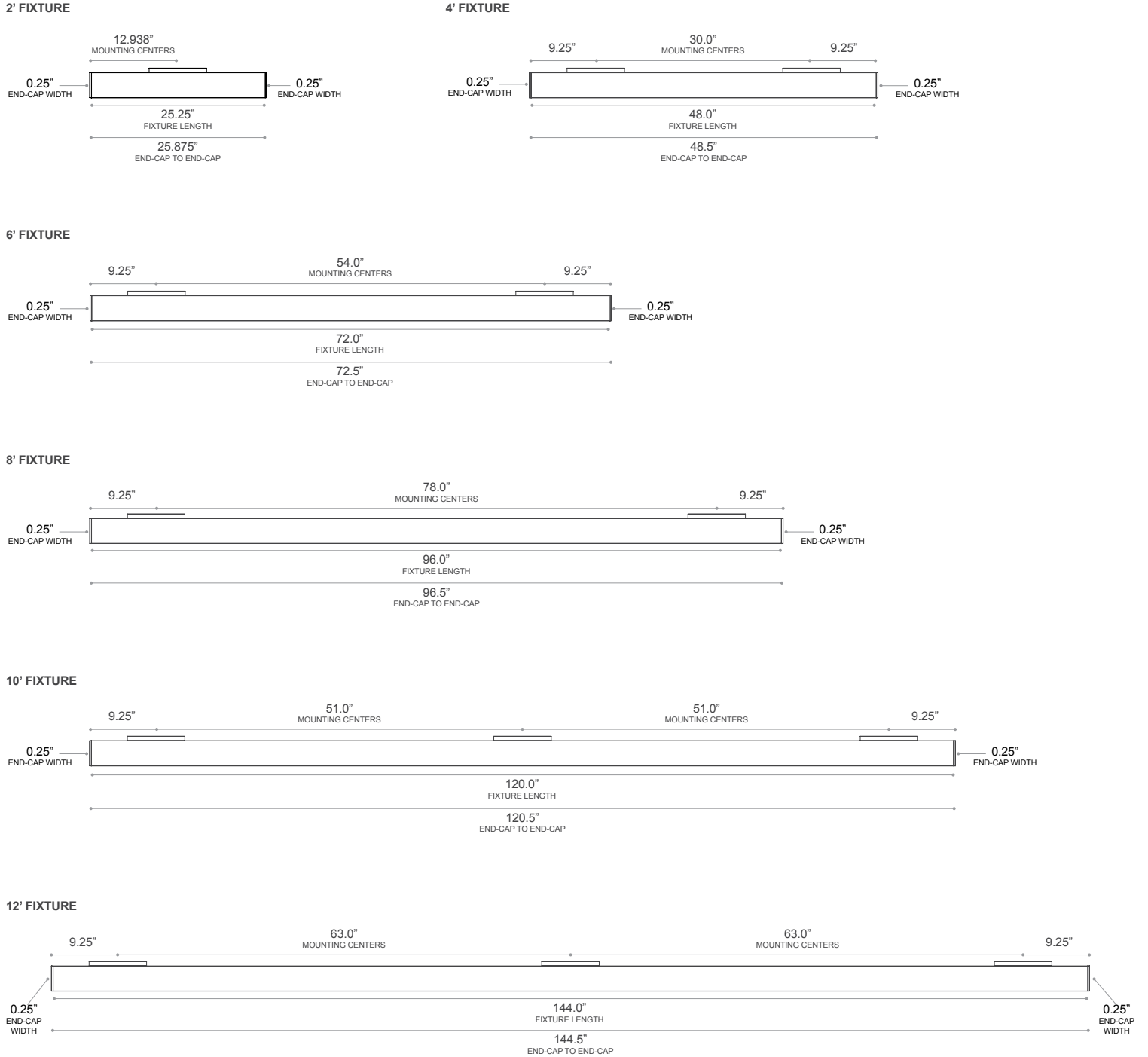
All Lumato luminaires and components (with the exception of our LED boards and drivers) are proudly manufactured and assembled in the USA. All luminaires are UL/cUL Listed to UL 1598 Standards and approved for Indoor use in Dry/Damp Locations.

**SQ2 WALL**  
DIRECT



-   
 Manufactured in the USA
-   
 Sure-Fit Alignment
-   
 Hidden Connect
-   
 Vertically Integrated Manufacturing
-   
 Extruded Aluminum Housing
-   
 Seamless Lens
-   
 BAA Compliant

**FIXTURE ROW LAYOUT: SINGLE UNIT 2' - 4' - 6' - 8' - 10' - 12'**

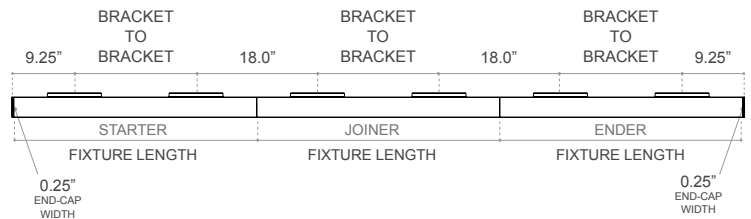




**FIXTURE ROW COMPONENTS**

RUN LENGTH (FT)	FIXTURE LENGTHS									JOINER KITS
	STARTER	JOINER							ENDER	
	1	2	3	4	5	6	7	8	9	
14	6'	-	-	-	-	-	-	-	8'	1
16	8'	-	-	-	-	-	-	-	8'	1
18	4'	6'	-	-	-	-	-	-	8'	2
20	4'	8'	-	-	-	-	-	-	8'	2
22	6'	8'	-	-	-	-	-	-	8'	2
24	8'	8'	-	-	-	-	-	-	8'	2
26	4'	6'	8'	-	-	-	-	-	8'	3
28	4'	8'	8'	-	-	-	-	-	8'	3
30	6'	8'	8'	-	-	-	-	-	8'	3
32	8'	8'	8'	-	-	-	-	-	8'	3
34	4'	6'	8'	8'	-	-	-	-	8'	4
36	4'	8'	8'	8'	-	-	-	-	8'	4
38	6'	8'	8'	8'	-	-	-	-	8'	4
40	8'	8'	8'	8'	-	-	-	-	8'	4
42	4'	6'	8'	8'	8'	-	-	-	8'	5
44	4'	8'	8'	8'	8'	-	-	-	8'	5
46	6'	8'	8'	8'	8'	-	-	-	8'	5
48	8'	8'	8'	8'	8'	-	-	-	8'	5
50	4'	6'	8'	8'	8'	8'	-	-	8'	6
52	4'	8'	8'	8'	8'	8'	-	-	8'	6
54	6'	8'	8'	8'	8'	8'	-	-	8'	6
56	8'	8'	8'	8'	8'	8'	-	-	8'	6
58	4'	6'	8'	8'	8'	8'	8'	-	8'	7
60	4'	8'	8'	8'	8'	8'	8'	-	8'	7
62	6'	8'	8'	8'	8'	8'	8'	-	8'	7
64	8'	8'	8'	8'	8'	8'	8'	-	8'	7
66	4'	6'	8'	8'	8'	8'	8'	8'	8'	8
68	4'	8'	8'	8'	8'	8'	8'	8'	8'	8
70	6'	8'	8'	8'	8'	8'	8'	8'	8'	8
72	8'	8'	8'	8'	8'	8'	8'	8'	8'	8

	FIXTURE LENGTH	CENTER-TO-CENTER BRACKET SPACING
4'	48.0"	30.0"
6'	72.0"	54.0"
8'	96.0"	78.0"



**NOTE 1**  
2' fixtures use a single mounting bracket centered on the fixture

**NOTE 2**  
10' & 12' fixtures have a third mounting bracket centered on the fixture