

OPTICAL SYSTEM

1. OPTIMAL BATWING DISTRIBUTION

135 Degree Ultra-Wide Batwing Distribution Provides Even Illumination Across a Ceiling While Allowing for Maximum Spacing Between Fixtures.

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 LOWER LENS

High Efficiency Diffuser Designed to Minimize Glare and Provide Uniform Light Distribution.

HOUSING

4. ARCHITECTURAL DETAILS

Provide a Clean Architectural Appearance with the Hidden Connect Mounting System and Seamlessly Adjoin Luminaires with the Sure-Fit Alignment Process.

5. SURE-FIT ALIGNMENT

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

ELECTRICAL

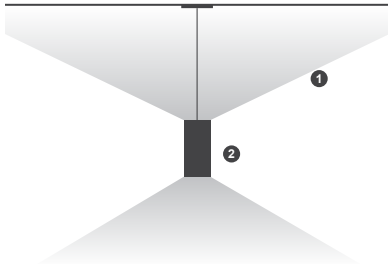
6. OPTIONAL INTEGRAL EMERGENCY BATTERY PACK

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

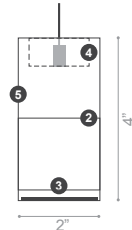
ILLUMINATED CORNERS

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

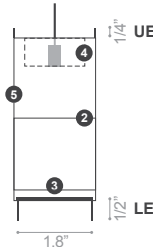
LIGHT DISTRIBUTION



CROSS-SECTION: SD



CROSS-SECTION: UE & LE



ORDERING GUIDE EX: S2-006-H2-55-UNV-30-T1-W-SD-DALI-EM-UE

SERIES	LENGTH ¹	OUTPUT ²	RATIO ³ U/D	VOLTAGE	CCT	MOUNTING	COLOR	DIRECT OPTICS	DIMMING	
S2										
	XXX FT 2 INCREMENTS EX: 4' = 004	H3 1400 LM/FT	72 75/25	UNV 120-277V	30 3000K	AIRCRAFT CABLE 36" CABLE STANDARD	RIGID STEM ⁶ 24" STEM STANDARD	W WHITE	SD SYMMETRICAL DOWN LIGHT	0-10 1% 0-10V DIMMING
		H2 1200 LM/FT	64 60/40		35 3500K	T1 1" T GRID	RS RIGID STEM	S SILVER	DALI DALI DIMMING	
		H1 1000 LM/FT	55 50/50		40 4000K	T9 9/16" T GRID	RSS RIGID SWIVEL STEM	G CHARCOAL GREY	ND NO DIMMING	
		H 800 LM/FT	46 40/60			SC SCREW SLOT GRID	B BLACK			
		M 600 LM/FT	27 25/75			HC HARD CEILING				
		L 400 LM/FT	C Custom							
		C Custom								

OPTIONS

EM EMERGENCY BATTERY PACK

EC EMERGENCY CIRCUIT

ETS EMERGENCY TRANSFER SWITCH

SS-U/D SEPARATE SWITCHING UPWARD/DOWNWARD

CZ CUSTOM LINEAR ZONING

OS OCCUPANCY SENSOR

DOS DUAL DAYLIGHT & OCCUPANCY SENSOR

C90 90 CRI

UE UPPER ILLUMINATED

LE LOWER ILLUMINATED EDGE

RSS36 36" RIGID SWIVEL STEM

RSS48 48" RIGID SWIVEL STEM

RSS72 72" RIGID SWIVEL STEM

BC BLACK CORD BLACK CANOPY

CB48 48" CABLES

CB72 72" CABLES

CB120 120" CABLES

RS36 36" RIGID STEM

RS48 48" RIGID STEM

RS72 72" RIGID STEM

¹Nominal length

²Nominal lumens per foot

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

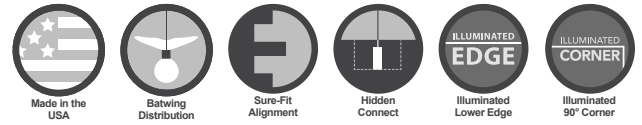
⁴80 CRI standard

⁵For cable lengths longer than 120' please consult factory

⁶All non-aircraft cable mounting requires adder-fee

⁷Contact factory for available configurations and additional lead times

⁸Standard 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. 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 S2 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 6 & 8 foot fixtures.

Mounting Method/Hardware:

The Hidden-Connect design recesses the hanging cable and power cord below the top plane of the housing to minimize the appearance of the hardware. Standard hanging hardware includes 1/16" diameter, galvanized steel aircraft cable with adjustable and lockable nickel-plated cable grippers, ceiling canopy and a white 18/5 S.O. power cord. The standard hardware includes a 48" power cord and 42" aircraft cables to accommodate a 36" mounting distance from the ceiling. All Lumato suspension hardware meets the UL1598 requirements for loading/fixture support.

Exterior Finish:

The S2 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.

OPERATION

Light Engine:

The S2 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. The Upper Illuminated Edge extruded acrylic lens creates an illuminated reveal which gives a unique, sharp look to the luminaire.

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 S2 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 S2 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.

ILLUMINATED CORNERS

Contact your sales associate for more information.

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.

PHOTOMETRICS

S2-004-M-55-UNV-30-T1-W-SD

Total Lumens: 2399

Ratio: 50% Up and 50% Down

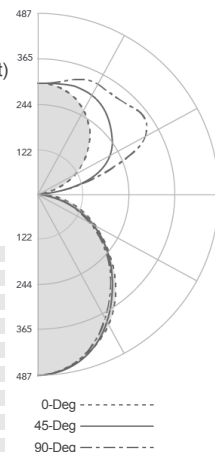
Wattage: 19.7

Efficacy: 121.8 (Lumens Per Watt)

Fixture Length: Four Feet

Zonal Lumen Summary

Zone	Lumens	% Fixt
0 - 30	362	15.1
0 - 40	576	24
0 - 60	970	40.4
0 - 90	1200	50
90 - 120	344	14.3
90 - 130	561	23.4
90 - 150	948	39.5
90 - 180	1200	50
0 - 180	2400	100.0



S2-004-M-55-UNV-30-LE-UE

Total Lumens: 2396

Ratio: 50% Up and 50% Down

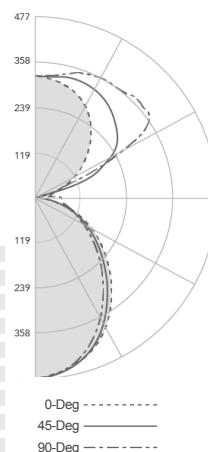
Wattage: 21.02

Efficacy: 114 (Lumens Per Watt)

Fixture Length: Four Feet

Zonal Lumen Summary

Zone	Lumens	% Fixt
0 - 30	354	14.7
0 - 40	561	23.4
0 - 60	938	39
0 - 90	1200	49.9
90 - 120	280	11.7
90 - 130	514	24.4
90 - 150	933	38.8
90 - 180	1203	50.1
0 - 180	2403	100.0



ENERGY CONSUMPTION

Watts Per Linear Foot

	H3:1400	H2:1200	H1:1000	H:800	M:600	L:400
75/25	10.76	9.23	7.91	6.60	4.94	3.60
60/40	10.94	9.50	8.11	6.71	5.08	3.66
50/50	10.53	9.38	7.96	6.55	5.02	3.57
40/60	10.65	9.16	7.81	6.46	4.90	3.52
25/75	11.78	9.75	8.25	6.75	5.22	3.68