

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. HIDDEN CONNECT

Recessed Connection Point Between Cable and Fixture Eliminates the Visibility of Hardware

5. SURE-FIT ALIGNMENT

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

ELECTRICAL

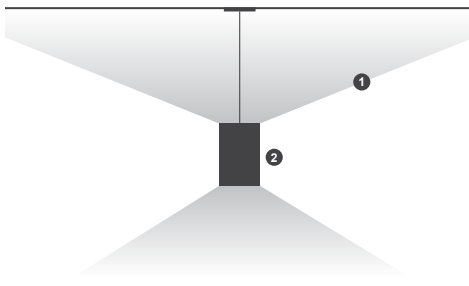
6. OPTIONAL INTEGRAL EMERGENCY BATTERY PACK

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

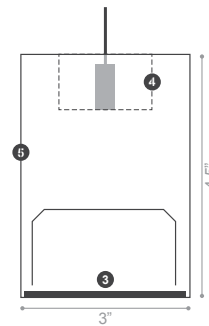
7. 0-10 VOLT DIMMING TO 1% STANDARD

See Options Below for Additional Dimming Options

LIGHT DISTRIBUTION



CROSS-SECTION



SERIES	LENGTH ¹	OUTPUT ²	RATIO ³ U/D	VOLTAGE	CCT	MOUNTING	COLOR	DIRECT OPTICS	DIMMING	
S3								SD		
	XXX FT 2 INCREMENTS EX: 4' = 004	H3 1400 LM/FT	72 75/25	12 120V	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	27 277V	35 3500K	T1 1" T GRID	RS RIGID STEM	S SILVER		0-10 IND ⁷ INDEPENDENT U/D CONTROL
		H1 1000 LM/FT	55 50/50		40 4000K	T9 9/16" T GRID	RSS RIGID SWIVEL STEM	G CHARCOAL GREY		DALI DALI DIMMING
		H 800 LM/FT	46 40/60			SC SCREW SLOT GRID		B BLACK		DALI IND ⁷ INDEPENDENT U/D CONTROL
		M 600 LM/FT	27 25/75			HC HARD CEILING				ND NO DIMMING
		L 400 LM/FT	C ⁷ Custom							
		C ⁷ Custom								

OPTIONS

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

EM EMERGENCY BATTERY PACK	DS DAYLIGHT SENSOR	CB48 48" CABLES	RSS36 36" RIGID SWIVEL STEM
EC EMERGENCY CIRCUIT	OS OCCUPANCY SENSOR	CB72 72" CABLES	RSS48 48" RIGID SWIVEL STEM
NC NIGHT LIGHT CIRCUIT	DOS DUAL DAYLIGHT & OCCUPANCY SENSOR	CB120 120" CABLES	RSS72 72" RIGID SWIVEL STEM
GTD GENERATOR TRANS. DEVICE	FS FUSING	RS36 36" RIGID STEM	BC BLACK CORD BLACK CANOPY
SS-U/D SEPARATE SWITCHING UPWARD/DOWNWARD	C90 ⁴ 90 CRI	RS48 48" RIGID STEM	
SS-A/B SEPARATE SWITCHING LINEAR ZONES		RS72 72" RIGID STEM	
SC-U/D SEPARATE CIRCUIT UPWARD/DOWNWARD			
SC-A/B SEPARATE CIRCUIT LINEAR ZONES			



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 an eight-point alignment and attachment method, designed to create straighter rows and minimize seams between sections (field assembled). Four alignment tabs ensure the outer extruded aluminum rails are aligned, while four draw-screws secure housing-to-housing attachment.

Lengths:

The S3 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 semi-recesses attachment hardware (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 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. Longer hanging cables and power cords available as an option. Ceiling canopy provided. All Lumato suspension hardware is tested and listed to UL1598 requirements for loading/fixture support.

Exterior Finish:

The S3 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 S3 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 S3 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 S3 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.

PHOTOMETRICS

S3-4-H3-72-12-35-XX-X

Total Lumens: 5524

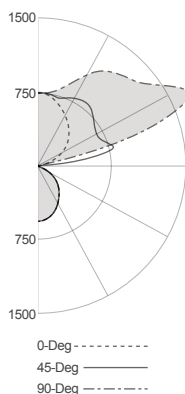
Ratio: 75% Up and 25% Down

Wattage: 51.7

Efficacy: 106.8 (Lumens Per Watt)

Report Number: ITL89581

Fixture Length: Four Feet



Zonal Lumen Summary

Zone	Lumens	% Fixt
0 - 30	416	7.5
0 - 40	670	12.1
0 - 60	1146	20.7
0 - 90	1432	25.9
90 - 120	1505	27.2
90 - 130	2262	41.0
90 - 150	3440	62.3
90 - 180	4092	74.1
0 - 180	5524	100.0

S3-4-H3-55-12-35-XX-X

Total Lumens: 5630

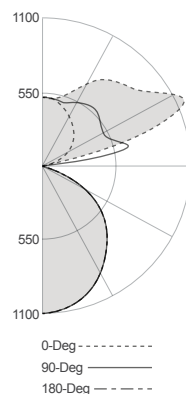
Ratio: 50% Up and 50% Down

Wattage: 52.0

Efficacy: 108.3 (Lumens Per Watt)

Report Number: ITL89579

Fixture Length: Four Feet



Zonal Lumen Summary

Zone	Lumens	% Fixt
0 - 30	823	14.6
0 - 40	1323	23.5
0 - 60	2264	40.2
0 - 90	2828	50.2
90 - 120	1051	18.7
90 - 130	1567	27.8
90 - 150	2365	42.0
90 - 180	2802	49.8
0 - 180	5630	100.0

ENERGY CONSUMPTION

Watts Per Linear Foot

	H3:1400	H2:1200	H1:1000	H:800	M:600	L:400
75/25	12.92	10.98	9.17	7.36	5.43	3.62
60/40	13.05	11.09	9.26	7.44	5.48	3.65
50/50	13.0	11.05	9.23	7.41	5.46	3.64
40/60	13.23	11.24	9.39	7.54	5.55	3.70
25/75	13.95	11.86	9.90	7.95	5.86	3.91