

DATE

PROJECT

COMMENTS

FEATURES

### 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

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

### ELECTRICAL

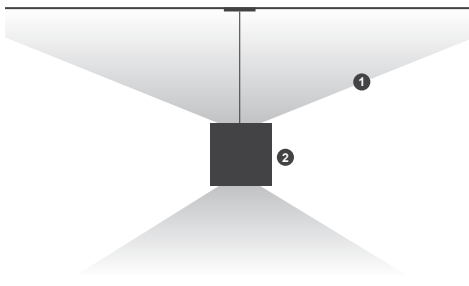
#### 6. OPTIONAL INTEGRAL EMERGENCY BATTERY PACK

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

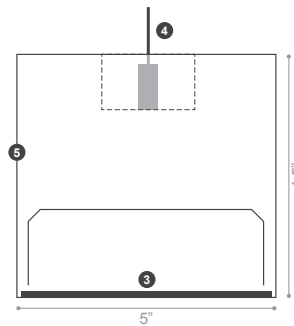
#### 7. 0-10 VOLT DIMMING TO 1% STANDARD

See Options Below for Additional Dimming Options

LIGHT DISTRIBUTION



CROSS-SECTION



ORDERING

SERIES	LENGTH <sup>1</sup>	OUTPUT <sup>2</sup>	RATIO <sup>3</sup> U/D	VOLTAGE	CCT	MOUNTING	COLOR	DIRECT OPTICS	DIMMING	
<b>S5</b>								<b>SD</b>		
	<b>XXX</b> FT 2 INCREMENTS EX: 4' = 004	<b>H3</b> 1400 LM/FT	<b>72</b> 75/25	<b>12</b> 120V	<b>30</b> 3000K	<b>AIRCRAFT CABLE</b> 36" CABLE STANDARD	<b>RIGID STEM<sup>4</sup></b> 24" STEM STANDARD	<b>W</b> WHITE	<b>SD</b> SYMMETRICAL DOWN LIGHT	<b>0-10</b> 1% 0-10V DIMMING
		<b>H2</b> 1200 LM/FT	<b>64</b> 60/40	<b>27</b> 277V	<b>35</b> 3500K	<b>T1</b> 1" T GRID	<b>RS</b> RIGID STEM	<b>S</b> SILVER		<b>0-10 IND<sup>9</sup></b> INDEPENDENT U/D CONTROL
		<b>H1</b> 1000 LM/FT	<b>55</b> 50/50		<b>40</b> 4000K	<b>T9</b> 9/16" T GRID	<b>RSS</b> RIGID SWIVEL STEM	<b>G</b> CHARCOAL GREY		<b>DALI</b> DALI DIMMING
		<b>H</b> 800 LM/FT	<b>46</b> 40/60			<b>SC</b> SCREW SLOT GRID		<b>B</b> BLACK		<b>DALI IND<sup>9</sup></b> INDEPENDENT U/D CONTROL
		<b>M</b> 600 LM/FT	<b>27</b> 25/75			<b>HC</b> HARD CEILING				<b>ND</b> NO DIMMING
		<b>L</b> 400 LM/FT	<b>C<sup>7</sup></b> Custom							
		<b>C<sup>7</sup></b> Custom								

<sup>1</sup>Nominal length

<sup>2</sup>Nominal lumens per foot

<sup>3</sup>Ratio defined as percentage of light illuminated upwards versus percentage of light illuminated downwards

<sup>4</sup>80 CRI standard

<sup>5</sup>For cable lengths longer than 120' please consult factory

<sup>6</sup>All non-aircraft cable mounting requires adder-fee

<sup>7</sup>Contact factory for available configurations and additional lead times

<sup>8</sup>Standard EC Illuminates Entire 8' Fixture Section. For Custom Options Please Consult Factory

<sup>9</sup>Does not include independent switching

### OPTIONS

**EM** EMERGENCY BATTERY PACK

**EC<sup>8</sup>** EMERGENCY CIRCUIT

**NC** NIGHT LIGHT CIRCUIT

**GTD** GENERATOR TRANS. DEVICE

**SS-U/D** SEPARATE SWITCHING UPWARD/DOWNWARD

**SS-A/B** SEPARATE SWITCHING LINEAR ZONES

**SC-U/D** SEPARATE CIRCUIT UPWARD/DOWNWARD

**SC-A/B** SEPARATE CIRCUIT LINEAR ZONES

**DS** DAYLIGHT SENSOR

**OS** OCCUPANCY SENSOR

**DOS** DUAL DAYLIGHT & OCCUPANCY SENSOR

**FS** FUSING

**C90<sup>4</sup>** 90 CRI

**CB48** 48" CABLES

**CB72** 72" CABLES

**CB120<sup>5</sup>** 120" CABLES

**RS36** 36" RIGID STEM

**RS48** 48" RIGID STEM

**RS72** 72" RIGID STEM

**RSS36** 36" RIGID SWIVEL STEM

**RSS48** 48" RIGID SWIVEL STEM

**RSS72** 72" RIGID SWIVEL STEM

**BC** BLACK CORD BLACK CANOPY



### 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 S5 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 S5 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 S5 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 S5 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 S5 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

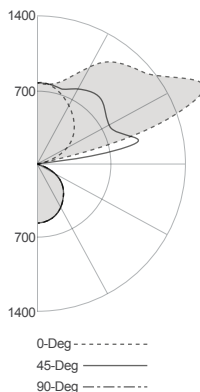
#### Made in the USA

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

### PHOTOMETRICS

#### S5-4-H3-72-12-30-XX-X

Total Lumens: 5596  
Ratio: 75% Up and 25% Down  
Wattage: 51.6  
Efficacy: 108.4 (Lumens Per Watt)  
Report Number: ITL89928  
Fixture Length: Four Feet

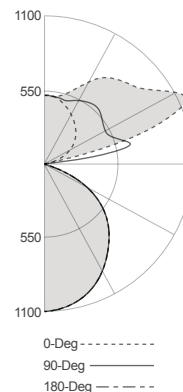


#### Zonal Lumen Summary

Zone	Lumens	% Fixt
0 - 30	413	7.4
0 - 40	664	11.9
0 - 60	1136	20.3
0 - 90	1420	25.4
90 - 120	1565	28.0
90 - 130	2332	41.7
90 - 150	3522	62.9
90 - 180	4176	74.6
0 - 180	5596	100.0

#### S5-4-H3-55-12-30-XX-X

Total Lumens: 5593  
Ratio: 50% Up and 50% Down  
Wattage: 52.0  
Efficacy: 107.6 (Lumens Per Watt)  
Report Number: ITL899926  
Fixture Length: Four Feet



#### Zonal Lumen Summary

Zone	Lumens	% Fixt
0 - 30	817	14.6
0 - 40	1313	23.5
0 - 60	2246	40.2
0 - 90	2803	50.1
90 - 120	1043	18.7
90 - 130	1556	27.8
90 - 150	2352	42.1
90 - 180	2790	49.9
0 - 180	5593	100.0

### ENERGY CONSUMPTION

#### Watts Per Linear Foot

	H3:1400	H2:1200	H1:1000	H:800	M:600	L:400
75/25	12.9	10.96	9.16	7.35	5.42	3.61
60/40	13.03	11.07	9.25	7.43	5.48	3.66
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