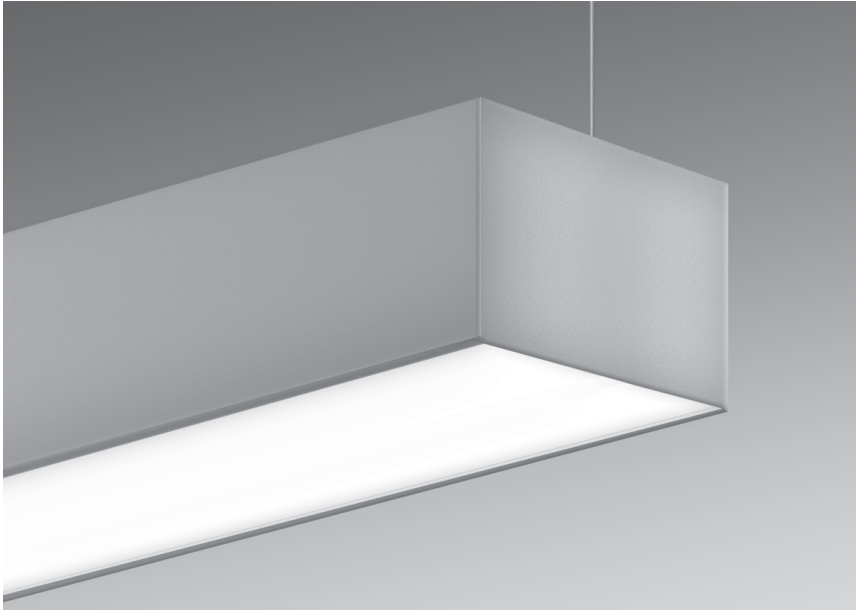




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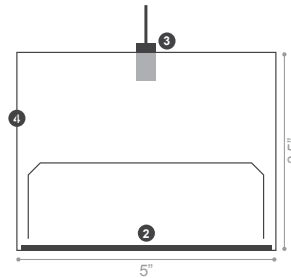
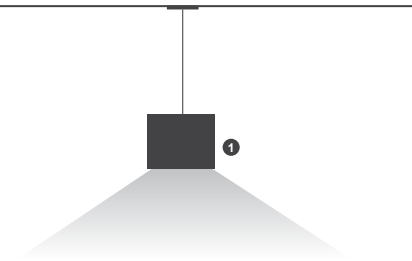
PROJECT

COMMENTS



LIGHT DISTRIBUTION

CROSS-SECTION



FEATURES

### OPTICAL SYSTEM

#### 1. VERSATILE LIGHT ENGINE

Multiple Lumen Intensities Provide the Correct Level of Illumination Within Each Space

#### 2. EVENLY ILLUMINATED LOWER LENS

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

### HOUSING

#### 3. HIDDEN CONNECT

Semi-Recessed Connection Point Between Cable and Fixture Reduces the Visibility of Hardware

#### 4. SURE-FIT ALIGNMENT

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

### ELECTRICAL

#### 5. OPTIONAL INTEGRAL EMERGENCY BATTERY PACK

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

#### 6. 0-10 VOLT DIMMING TO 1% STANDARD

See Options Below for Additional Dimming Options

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>01</b>					<b>SD</b>	
	<b>XXX</b> FT 1" INCREMENTS EX: 4' = 004	<b>H2</b> 1200 LM/FT <b>H1</b> 1000 LM/FT <b>H</b> 800 LM/FT <b>M</b> 600 LM/FT <b>L</b> 400 LM/FT <b>C</b> <sup>7</sup> Custom	<b>01</b> 0/100	<b>12</b> 120V <b>27</b> 277V	<b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K	<b>AIRCRAFT CABLE</b> 36" CABLE STANDARD <b>T1</b> 1" T GRID <b>T9</b> 9/16" T GRID <b>SC</b> SCREW SLOT GRID <b>HC</b> HARD CEILING	<b>W</b> WHITE <b>S</b> SILVER <b>G</b> CHARCOAL GREY <b>B</b> BLACK	<b>SD</b> SYMMETRICAL DOWN LIGHT	<b>0-10</b> 1% 0-10V DIMMING <b>DALI</b> DALI DIMMING <b>ND</b> NO DIMMING
						<b>EM</b> EMERGENCY BATTERY PACK <b>EC</b> <sup>8</sup> EMERGENCY CIRCUIT <b>NC</b> NIGHT LIGHT CIRCUIT <b>GTD</b> GENERATOR TRANS. DEVICE <b>SS-A/B</b> SEPARATE SWITCHING LINEAR ZONES <b>SC-A/B</b> SEPARATE CIRCUIT LINEAR ZONES	<b>DS</b> DAYLIGHT SENSOR <b>OS</b> OCCUPANCY SENSOR <b>DOS</b> DUAL DAYLIGHT & OCCUPANCY SENSOR <b>FS</b> FUSING <b>C90</b> <sup>9</sup> 90 CRI	<b>CB48</b> 48" CABLES <b>CB72</b> 72" CABLES <b>CB120</b> <sup>5</sup> 120" CABLES <b>RS36</b> 36" RIGID STEM <b>RS48</b> 48" RIGID STEM <b>RS72</b> 72" RIGID STEM	<b>RSS36</b> 36" RIGID SWIVEL STEM <b>RSS48</b> 48" RIGID SWIVEL STEM <b>RSS72</b> 72" RIGID SWIVEL STEM <b>BC</b> BLACK CORD BLACK CANOPY
							<b>OPTIONS</b>		

<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



### 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 six-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 two draw-screws secure housing-to-housing attachment.

#### Lengths:

The S5 is available in a minimum 2-foot (24") length with additional 1-foot (12") 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-M-01-12-30-XX-X

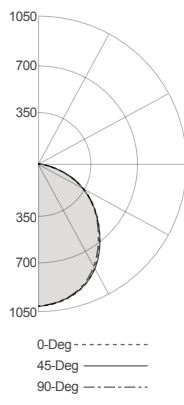
Total Lumens: 2,639

Ratio: 0% Up and 100% Down

Wattage: 22.70

Efficacy: 116.3 (Lumens Per Watt)

Fixture Length: Four Feet



#### Zonal Lumen Summary

Zone	Lumens	% Fixt
0 - 30	738	28.0
0 - 40	1198	45.4
0 - 60	2087	79.1
0 - 90	2639	100.0
90 - 180	0	0.0
0 - 180	2639	100.0

#### Coefficients Of Utilization

RC	80				70				50			
	RW	70	50	30	10	70	50	30	10	50	30	10
0	119	119	119	119	116	116	116	116	111	111	111	111
1	109	104	100	96	106	102	98	94	97	94	91	91
2	99	91	84	78	96	89	82	77	85	80	75	75
3	90	80	71	65	88	78	70	64	75	69	63	63
4	83	71	62	55	80	69	61	55	67	60	54	54
5	76	63	54	47	74	62	53	47	60	52	47	47
6	70	57	48	41	68	56	47	41	54	47	41	41
7	65	52	43	37	63	51	42	36	49	42	36	36
8	61	47	39	33	59	46	38	33	45	38	32	32
9	57	43	35	29	55	43	35	29	41	34	29	29
10	53	40	32	27	52	39	32	27	38	31	27	27

### ENERGY CONSUMPTION

#### Watts Per Linear Foot

	H2:1200	H1:1000	H:800	M:600	L:400
0/100	11.36	9.46	7.57	5.68	3.78
Lumens/Ft.	1,319.50	1,099.58	879.67	659.75	439.84
Lumens/W	116.2	116.2	116.2	116.3	116.4