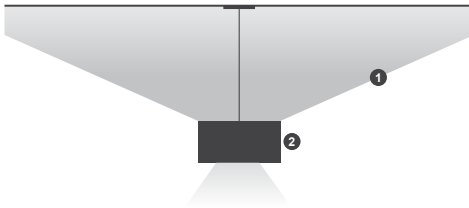
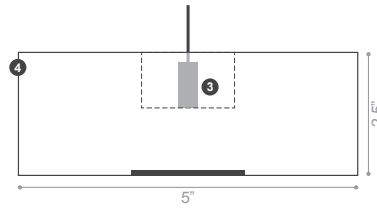


LIGHT DISTRIBUTION 90/10



CROSS-SECTION



CERTIFICATIONS



DATE

PROJECT

COMMENTS

FEATURES

### OPTICAL SYSTEM

#### 1. INDIRECT BATWING DISTRIBUTION

Indirect Batwing Distribution Provides Even Illumination Across a Ceiling While Allowing for Maximum Spacing Between Fixtures

#### 2. VERSATILE LIGHT ENGINE

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

### HOUSING

#### 3. HIDDEN CONNECT

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

#### 4. ONE-PIECE EXTRUDED ALUMINUM HOUSING

One-Piece Extruded Aluminum Housing Ensures Straighter Rows

### ELECTRICAL

#### 5. EFFICACY

Luminaire Efficacy Up to 129.8 Lumens per Watt Helps Achieve Best in Class Power Density Performance

### DIMMING

#### 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>4</sup> U/D	VOLTAGE	CCT	MOUNTING	COLOR	DIMMING	
<b>EC 5</b>	<b>XXX</b> FT 4" INCREMENTS EX: 4" = 004	<b>H2</b> <sup>3</sup> 1400 LM/FT	<b>91</b> 90/10	<b>12</b> 120V	<b>30</b> 3000K	<b>AIRCRAFT CABLE</b> 36" CABLE STANDARD	<b>RIGID STEM</b> <sup>6</sup> 24" STEM STANDARD	<b>W</b> WHITE	<b>0-10</b> 1% 0-10V DIMMING
		<b>H1</b> 1200 LM/FT	<b>82</b> 80/20	<b>27</b> 277V	<b>35</b> 3500K	<b>T1</b> 1" T GRID	<b>RS</b> RIGID STEM	<b>S</b> SILVER	<b>DALI</b> DALI DIMMING
		<b>H</b> 1000 LM/FT	<b>28</b> 20/80	<b>UNV</b>	<b>40</b> 4000K	<b>T9</b> 9/16" T GRID	<b>RSS</b> RIGID SWIVEL STEM	<b>G</b> CHARCOAL GREY	<b>ND</b> NO DIMMING
		<b>M</b> 800 LM/FT	<b>19</b> 10/90			<b>SC</b> SCREW SLOT GRID		<b>B</b> BLACK	
		<b>L</b> 600 LM/FT				<b>HC</b> HARD CEILING			

<sup>1</sup>Nominal length

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

<sup>3</sup>High Output option H2 only available with 90/10 & 80/20 Ratio. (91 & 82) option

<sup>4</sup>Ratio defined as percentage of light illuminated upwards versus percentage of light illuminated downwards

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

OPTIONS

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

**EC**<sup>7</sup> EMERGENCY CIRCUIT

**NC** NIGHT LIGHT CIRCUIT

**GTD** GENERATOR TRANS. DEVICE

**DS** DAYLIGHT SENSOR

**OS** OCCUPANCY SENSOR

**DOS** DUAL DAYLIGHT & OCCUPANCY SENSOR

**FS** FUSING

**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 one-piece outer housing with die-formed steel internal components for strength, alignment and mounting attachment.

#### 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). Two alignment tabs ensure the outer extruded aluminum rails are aligned, while two draw-screws secure housing-to-housing attachment.

#### Lengths:

The EC5 is available in a minimum 4-foot (48") length with additional 4-foot (48") 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 recesses attachment hardware (hanging cable and power cord) close to the top plane of the housing to enable a sleek, clean finished look. 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 EC5 is available in White, 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 EC5 is available in 3000K, 3500K & 4000K CCT all within a 2.5-Step MacAdam Ellipse and has a standard CRI of 80+.

#### Optics:

The back lit extruded acrylic lens ensures high efficiency light output, in a minimal form factor for 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 EC5 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 1%.

#### Optional Controls:

The EC5 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

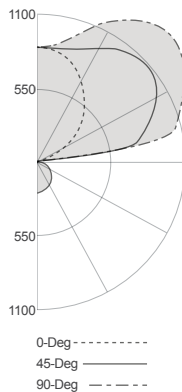
#### Made in the USA

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

### PHOTOMETRICS

#### EC5-4-H2-91-12-30-XX-X

Total Lumens: 5515  
Ratio: 90% Up and 10% Down  
Wattage: 42.5 Efficacy: 129.8 (Lumens Per Watt)  
Fixture Length: Four Feet

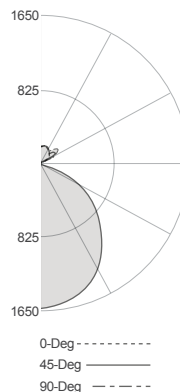


#### Zonal Lumen Summary

Zone	Lumens	% Fixt
0 - 30	144	2.6
0 - 40	237	4.3
0 - 60	421	7.6
0 - 90	534	9.7
90 - 120	2221	40.3
90 - 130	3061	55.5
90 - 150	4321	78.3
90 - 180	4982	90.3
0 - 180	5515	100.0

#### EC5-4-H1-19-12-30-XX-X

Total Lumens: 4796  
Ratio: 10% Up and 90% Down  
Wattage: 54.8  
Efficacy: 87.5 (Lumens Per Watt)  
Fixture Length: Four Feet



#### Zonal Lumen Summary

Zone	Lumens	% Fixt
0 - 30	1220	25.4
0 - 40	1960	40.9
0 - 60	3343	69.7
0 - 90	4141	86.3
90 - 120	212	4.4
90 - 130	335	7.0
90 - 150	256	11.0
90 - 180	655	13.7
0 - 180	4796	100.0

### ENERGY CONSUMPTION

#### Watts Per Linear Foot

	H2:1400	H1:1200	H:1000	M:800	L:600
90/10	10.62	9.10	7.58	6.06	4.55
80/20	10.60	9.08	7.57	6.05	4.54
20/80	NA	13.70	11.42	9.14	6.85
10/90	NA	13.70	11.42	9.14	6.85