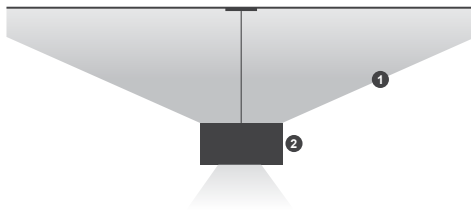
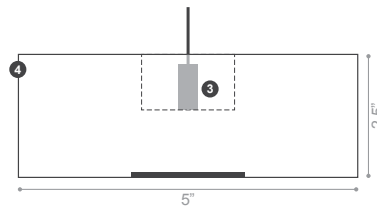


LIGHT DISTRIBUTION 90/10



CROSS-SECTION



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 STANDARD

See Options Below for Additional Dimming Options

SERIES	LENGTH ¹	OUTPUT ²	RATIO ⁴ U/D	VOLTAGE	CCT	MOUNTING	COLOR	DIMMING	
EC 5	XXX FT 4" INCREMENTS EX: 4' = 004	H2 ³ 1400 LM/FT	91 90/10	12 120V	30 3000K	AIRCRAFT CABLE 36" CABLE STANDARD	RIGID STEM ⁶ 24" STEM STANDARD	W WHITE	0-10 0-10V DIMMING
		H1 1200 LM/FT	82 80/20	27 277V	35 3500K	T1 1" T GRID	RS RIGID STEM	S SILVER	DALI DALI DIMMING
		H 1000 LM/FT	28 20/80	UNV	40 4000K	T9 9/16" T GRID	RSS RIGID SWIVEL STEM	G GREY	ND NO DIMMING
		M 800 LM/FT	19 10/90			SC SCREW SLOT GRID			
		L 600 LM/FT				HC HARD CEILING			

¹Nominal length

²Nominal lumens per foot

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

⁴Ratio defined as percentage of light illuminated upwards versus percentage of light illuminated downwards

⁵For cable lengths longer than 120" please consult factory

⁶All non-aircraft cable mounting requires adder-fee

OPTIONS

SS-A/B SEPARATE SWITCHING LINEAR ZONES	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	
		RS48 48" RIGID STEM	
		RS72 72" RIGID STEM	



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:

Constant Voltage Class 2 driver, 100 watt maximum output, 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

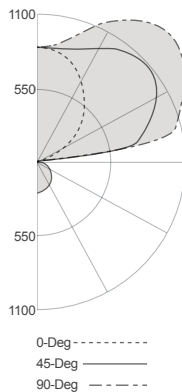
All Lumato Luminaires and Components (with the exception of our LED boards and drivers) are proudly manufactured and assembled in the USA

PHOTOMETRICS

ENERGY CONSUMPTION

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

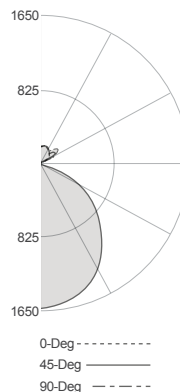


Zonal Lumen Summary

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

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