

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. HIGH EFFICIENCY LIGHT DIFFUSER

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. EFFICACY

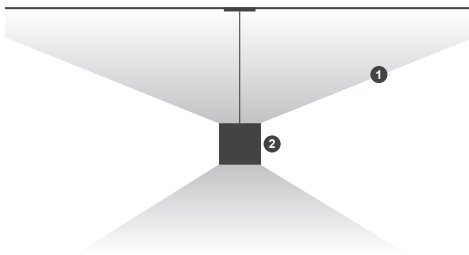
Luminaire Efficacy Ranging from 86.9 to 102.5 Lumens per Watt Helps Achieve Best in Class Power Density Performance

DIMMING

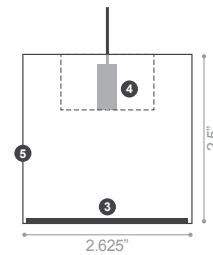
7. 0-10 VOLT DIMMING TO 1% STANDARD

See Options Below for Additional Dimming Options

LIGHT DISTRIBUTION



CROSS-SECTION



										ORDERING
SERIES	SIZE	LENGTH ¹	OUTPUT ²	RATIO ³	VOLTAGE	CCT	MOUNTING	COLOR	OPTIONS	
SQ	2				UNV			W	QS	
		XXX FT. 2' INCREMENTS STARTING AT 4' EX: 4' = 004	H 1200 LM/FT M 900 LM/FT L 600 LM/FT	91 90/10 72 75/25 64 60/40 55 50/50 46 40/60 27 25/75	UNV 120-277 Volt	30 3000K 35 3500K	AIRCRAFT CABLE 72" CABLE STANDARD T1 1" T GRID T9 9/16" T GRID SC SCREW SLOT GRID HC HARD CEILING	W WHITE	QS QUICKSHIP	

¹Nominal length

²Nominal lumens per foot

³Ratio defined as percentage of light illuminated upwards versus percentage of light illuminated downwards



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

Lengths:

The QuickShip SQ2 is available in 2-foot (24") lengths starting at 4-feet (48"), which can be connected for longer runs. Longer fixture rows are available and will be configured per Lumato factory specifications; typical rows are configured with 8-foot fixtures. Each end cap adds .0625" to the length of each fixture run. End Caps: End caps are fabricated from 16-gauge steel and finished to match housing. End caps are installed at factory with no exposed fasteners to ensure minimal visible seam.

Mounting Method/Hardware:

The Hidden-Connect design recesses all attachment hardware (hanging cable and power cord) below 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 84" power cord and 78" aircraft cables to accommodate a 72" mounting distance from the ceiling. Longer hanging cables and power cords available as an option. Ceiling canopy provided.

Exterior Finish:

The QuickShip SQ2 is available in White polyester powder coat finish to ensure durability.

OPERATION

Light Engine:

The QuickShip SQ2 is available in 3000K & 3500K CCT within a 2.5-Step MacAdam Ellipse and has a standard CRI of 80+.

Directionality:

The QuickShip SQ2 is available in seven different varieties of up/down lumen output ratios. Upward and downward light direction specified by percentages as follows (up/down): 90/10, 75/25, 60/40, 50/50, 40/60, 25/75 & 0/100.

Lower Optics:

The edge lit PMMA acrylic light guide ensures high efficiency light output, in a minimal form factor. A secondary acrylic diffuser is added to create a clean, evenly illuminated lower surface with minimal glare.

Upper Optics:

The upper optics consist of an injection molded acrylic lens that provides a 135°, ultra-wide batwing distribution to produce a more evenly illuminated ceiling and wider spacing of luminaires.

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 QuickShip SQ2 is standard with 0-10V dimming. The 0-10V control allows dimming down to 1%.

GENERAL

Warranty:

Five (5) year limited warranty from date of shipment, covers LED's, driver, and luminaire.

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

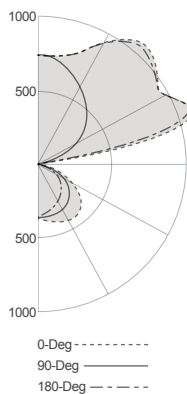
All Luminaires are UL and cUL Listed, approved for Dry/Damp locations

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

SQ2-4-H-72-12-30-XX-X

Total Lumens: 4736
Ratio: 75% Up and 25% Down
Wattage: 47.8
Efficacy: 99.1 (Lumens Per Watt)
Report Number: ITL83377
Fixture Length: Four Feet

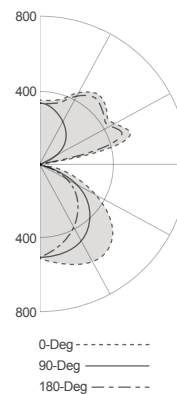


Zonal Lumen Summary

Zone	Lumens	% Fixt
0 - 30	298	6.3
0 - 40	508	10.7
0 - 60	945	20.0
0 - 90	1198	25.3
90 - 120	1245	26.3
90 - 130	1854	39.1
90 - 150	2920	61.7
90 - 180	3538	74.7
0 - 180	4736	100.0

SQ2-4-M-55-12-30-XX-X

Total Lumens: 3531
Ratio: 50% Up and 50% Down
Wattage: 37.7
Efficacy: 93.7 (Lumens Per Watt)
Report Number: ITL83375R
Fixture Length: Four Feet



Zonal Lumen Summary

Zone	Lumens	% Fixt
0 - 30	445	12.6
0 - 40	759	21.5
0 - 60	1414	40.1
0 - 90	1794	50.8
90 - 120	616	17.5
90 - 130	914	25.9
90 - 150	1436	40.7
90 - 180	1737	49.2
0 - 180	3531	100.0

PHOTOMETRICS

ENERGY CONSUMPTION

Watts Per Linear Foot

	H:1200	M:900	L:600
90/10	11.67	8.75	5.84
75/25	11.95	8.96	5.97
60/40	12.20	9.15	6.1
50/50	12.55	9.41	6.27
40/60	13.00	9.75	6.5
25/75	13.55	10.16	6.77