![LEOTEK LITE-ON GROUP logo]

Eseta™ LED Wall Sconce
ES2

Luminaire Data

Weight 15 lbs [6.8 kg]
20.1 lbs [9.1kg] with EM option

23.14 in [587.78]

12.1 in [307.55]

5.4 in [138.37 mm]
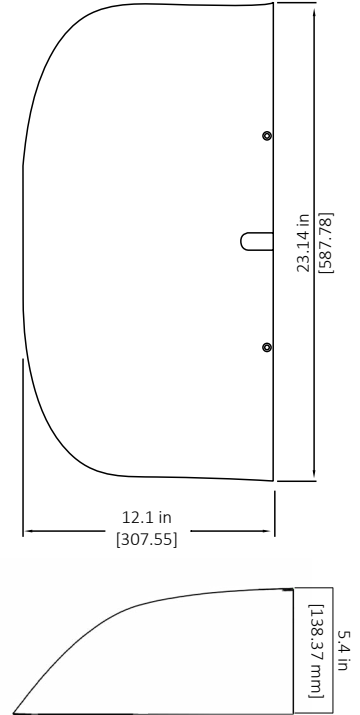
Ordering Information

Sample Catalog No. ES2 88H MV NW W BK 450 EM

Product	No. & Type of LEDs	Voltage		Color Temperature[1]		Distribution		Finish[2]		Drive Current[3]		Options	
ES2	88H 130H	MV	120-277V	WW	3000K	W	Wide	BK	Black	450	450mA	PC[5]	Button Type Photo Control
		HV	347-480V	NW	4000K	FT	Forward Throw	DB	Dark Bronze			PCR7-CR	ANSI 7-Wire Photocontrol Receptacle
				CW	5000K			GY	Gray			MSL3[3]	Motion Sensor, L3 Lens
								WH	White			MSL7[3]	Motion Sensor, L7 Lens
												EM[4]	Emergency Battery System
												FSIR100	Motion Sensor Configuration Tool

Notes:

1 Consult factory for other color temperatures.

2 Consult factory for non-standard finish options. See page 2 for specifications.

3 Motion Sensor default setting dims luminaire to 50% when no motion is detected for 5 minutes. Field adjustable settings available using FSIR100 option.

4 Emergency Battery System available with MV only.

5 Available with MV. Consult factory for HV option, single voltage only, either 347V or 480V.

ES-2 Spec Sheet_06-28-19. Specifications subject to change without notice.

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Luminaire Specifications

Housing
Die cast aluminum housing with back mounting plate and outdoor rated cable. Back mounting plate includes novel hanging features to allow one-person installation. Knockouts on the top and bottom of the housing allow conduit entry. Electrical components are accessed behind gasketed optical cover.

Light Emitting Diodes
Hi--flux/Hi-power white LEDs are tested in accordance with IES LM-80 testing procedures. Warm White (3000K), Neutral White (4000K) and Cool White (5000K) with minimum 70 CRI are standard. LEDs are 100% mercury and lead free.

Optical Systems
The OMNILens™ system creates a low brightness source to reduce glare with precise Wide or Forward Throw distributions. Lens cover is UV stabilized, vandal-resistant polycarbonate. Luminaire produces 0% total lumens above 90⁰ (BUG Rating, U=0).

Electrical
Power supply features a minimum power factor of .90 and <20% Total Harmonic Distortion (THD). EMC meets or exceeds FCC CFR Part 15. Transient voltage complies with ANSI C62.41 Cat. A. Integral surge protector is tested per ANSI/IEEE C62.45 procedures based on ANSI/IEEE C62.41.2 definitions for standard and optional waveforms for Location Category C High.

Finish
Housing receives a fade and abrasion resistant epoxy polyester powder coat. Finish tested to withstand 5000 hours in salt spray exposure per ASTMB117. Finish tested 5000 hours in UV exposure per ASTM G154 and meets ASTM D523 gloss retention.

Listings/Ratings/Labels
Luminaires are UL listed for use in wet locations and emergency lighting in the United States and Canada. Ambient operating temperature is -40°C to 40°C with no accessories installed. Entire fixture maintains an IP66 and IK10 rating. Assembled in the United States. International Dark Sky Association listed.

Photometry
Luminaires are photometrically tested by certified independent testing laboratories in accordance with IES LM-79 testing procedures.

Lumen Maintenance

Models	TM-21 Lumen Maintenance (hours) at 25°C	
	At 50,000	At 100,000
ES2-88H	95%	90%
ES2-130H	92%	87%

Warranty
10-year limited warranty is standard on luminaire and components. 5-year limited warranty on motion sensor and photo control. 3-year limited warranty on Emergency Battery System.

Color Specifications

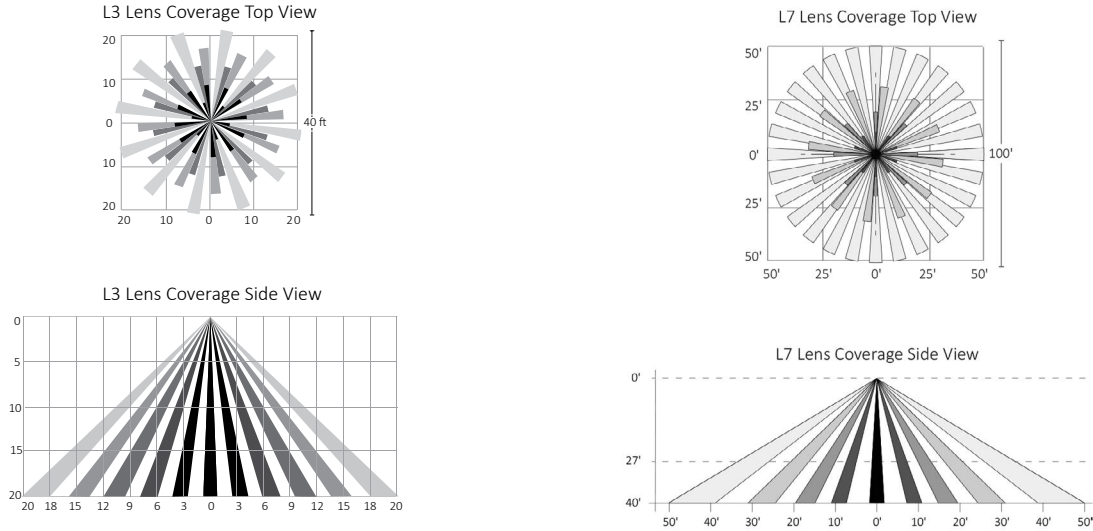| Order Code	Color	RAL #	Pantone Equivalent
GY	Gray	7040	429C
BK	Black	9004	426C
DB	Dark Bronze	6022	BLACK 2C
WH	White	9003	11-0601
NA	Natural Aluminum	9006	N/A

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Performance Data

All data nominal, consult factory for IES files or LM-79 reports.

CCT	Two Distributions		Wide Distribution			Forward Throw Distribution		
	No. of LEDs & Type	Drive Current (mA)	System Wattage (W)	Delivered Lumens (Lm)	Efficacy (Lm/W)	System Wattage (W)	Delivered Lumens (Lm)	Efficacy (Lm/W)
3000K	88H	450	128.8	13285	103.1	129.7	13491	104.0
3000K	130H	450	185.8	18973	102.1	182.4	18690	102.5
4000K	88H	450	130.1	14032	107.9	125.6	14254	113.5
4000K	130H	450	185.3	19562	105.6	183.9	19625	106.7
5000K	88H	450	129.0	13981	108.4	127.8	13943	109.1
5000K	130H	450	184.2	19542	106.1	181.7	19150	105.4

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Motion Sensor (Optional) Data

L3 Lens Coverage Top View

L7 Lens Coverage Top View

L3 Lens Coverage Side View

L7 Lens Coverage Side View

Motion Sensor (Optional) Specifications

Description
Digital passive infrared luminaire integrated outdoor occupancy sensor provides high/low/off control based on motion. Initial setup and subsequent sensor adjustments are made using a handheld configuration tool.

Operation
Standard factory setting will dim the luminaire to 50% until motion is sensed and then it will power to 100%. When motion is not detected for five minutes, the luminaire will dim back to 50%. Ramp up and fade down times are adjustable, but initially set to NONE.

The percent dimming and time durations may be field adjusted as required using FSIR100 option. FSIR user guide available at: www.wattstopper.com.

Optical System
Multi-cell, multi-tier Fresnel lens with a 360 degree view detects unobstructed motion. L3 lens is designed for a mounting height up to 20 feet and detects motion within one mounting height. L7 lens is designed for a mounting height up to 40 feet and detects motion within 1.25 mounting height.

Finish
Sensor exterior ring and lens are white polycarbonate, UV and impact resistant.

Listings/Ratings
Sensor is TUV, UL and cUL listed, IP66 rated and CE compliant.

Warranty
5-year limited warranty on luminaires and components with a motion sensor.

Emergency Battery System (Optional) Specifications

Description
Emergency battery system option provides a nominal 2300 lumens for a minimum of 90 minutes and can be specified with motion sensor option. Test switch and charging indicator light are visible and accessible on the optical cover.

Temperature Rating
Ambient operating temperature is -20C to +60C.

Listings/Ratings/Labels
Emergency LED driver and batteries are UL recognized and CSA certified. Emergency illumination time exceeds the National Electrical Code (NEC), Life Safety Code (NFPA-LSC), National Building Code of Canada (NBC), National Fire Code of Canada (NFC) and UL 90-minute requirements.

Warranty
3-year limited warranty on Emergency Battery System.