

Fixture shown with optional integrated occupancy sensor and cable kit. (sold separately)

ABOUT THE SERIES

The award winning Lusio® Essentials Series is a family of high efficacy LED fixtures for high and medium bay applications that provide premium performance, quality and versatility. With nearly 50% lower power consumption compared to traditional fluorescent and HID light sources, these fixtures are designed to lower your total cost of ownership (TCO). Separated finned aluminum heat sinks promote heat transfer from the LEDs and extend their useful life.

INTENDED USE

Manufacturing, Aircraft Hangars, Warehouses, Convention Centers and Other Large Indoor Spaces		
Target Mounting Heights	Comparable Traditional Light Source	Reduction in Power Consumption over Traditional Light Source
20-40 Feet (6-12m)	6-Lamp T5HO or 400W Metal Halide	40-53%

FIXTURE PERFORMANCE

	WATTAGE ¹	LUMENS ¹	EFFICACY ¹	CRI ²
NL - NO LENS				
4000K/5000K	227	26,319	116	75
CA - CLEAR ACRYLIC LENS				
4000K/5000K	227	26,135	115	75
FP - FROSTED POLYCARBONATE LENS				
4000K/5000K	227	23,227	102	75

¹ Typical at 120V and 77°F (25°C). ² Typical CRI.

DIMENSIONS

INS (CMS) • LBS (KGS)

LENGTH ¹	WIDTH ¹	DEPTH ¹	WEIGHT	WEIGHT WITH BATTERY BACK-UP
43-5/8 (110.8)	14 (35.6)	2-1/4 (5.7)	18 (8.1)	22 (9.9)

¹ Dimensions listed are for the fixture only. See dimensional drawings for measurements with mounting hardware.

POWER FACTOR

120V	0.997
277V	0.952
347V	0.988
480V	0.969

TOTAL HARMONIC DISTORTION

120V	6.5%
277V	11.9%
347V	10.3%
480V	10.8%

FEATURES & SPECIFICATIONS

POWER AND CONTROL

- **POWER INPUT:** 120-480V (50/60Hz)
- **DIMMING:** 0-10V dimming standard. Capable of dimming down to 10%.
- **OCCUPANCY SENSORS:** Optional factory installed occupancy sensors are available. See accessories ordering information.
- **EMERGENCY BATTERY BACK-UP:** For 120-277V fixtures only, optional factory installed battery back-ups are available that produce 1,900-2,100 lumens for a minimum of 90 minutes.

LUMEN MAINTENANCE

- **L70 LIFE:** 90% lumen maintenance at 70,000 hours (77°F/25°C ambient); L70 predicted life is more than 200,000 hours.

FIXTURE

- **ENVIRONMENT:** Dry/Damp. For interior applications (IP30).
- **HEAT SINKS:** Extruded aluminum heat sinks provide optimal thermal management, decreasing LED junction temperature and ensuring long life.
- **POWER SUPPLY ACCESS:** Center channel cover is hinged for easy access to power supplies and quick wiring.
- **MOUNTING:** Fixture is cable ready and has a center opening to accept a 1/2" stem mount. Cable, stem or surface mount options.
- **LENSES:** Recommended UV stable clear acrylic or frosted polycarbonate. Also available without a lens. Consult acrylic/polycarbonate chemical resistance chart for guidance in selecting the appropriate lensing material for your application.
- **WIRE GUARDS:** Optional wire guards can be field installed. See accessories ordering information.
- **WARRANTY:** Limited 5-year warranty.
- **AMBIENT OPERATING TEMPERATURES:**
Cable, Loop/Hook, and Stem Mounted Fixtures -31° to 131°F (-35° to 55°C)
Fixtures with Emergency Battery Back-ups and Surface Mounted Fixtures -31° to 122°F (-35° to 50°C)

LISTINGS AND CERTIFICATIONS

- UL | cUL listed for safety (UL 1598)
- UL | cUL dry/damp location listed
- RoHS Compliant
- FCC Class B
- Lighting Facts (U.S. Department of Energy) Certified
- DesignLights™ Consortium Approved



ORDERING EXAMPLE:

ES2-UL-4M-50-WIDE-CA-CRM-120-10V-OCCN-CORDN-EMBN

ES2	UL	4M		WIDE	
SERIES	COMPLIANCE	MODEL	COLOR TEMP	DISTRIBUTION	LENS
	UL UL Listed	4M 4 Modules	40 4000K 50 5000K	WIDE Wide Distribution	CA Clear acrylic lens FP Frosted polycarbonate lens NL No lens
		10V			
MOUNTING	VOLTAGE	DIMMING	OCC SENSORS	CORD & PLUG	BATTERY BACK-UP
CRM Fixture is cable-ready and has a center opening to accept a 1/2-inch stem mount.	120 120V	10V 0-10V Interface	OCCN No OCC Sensor	CORDN No cord. No plug	EMBN No EMB
MBR¹ Kit includes bracket for surface or stem mounting. Attaches to junction box for surface mounting. Accepts 3/4" rigid conduit for single-point stem mounting.	208 208V		OCC20 ¹ 20' Mounting Heights	C6W ¹ 6ft cord, 15A, no plug	EMB ¹ Emergency battery back-up for a minimum of 90 minutes when power is interrupted. Test button and MBR features are included with EMB.
MBR¹	220 220V		OCC40 ¹ 40' Mounting Heights	C15W ¹ 15ft cord, 15A, no plug	
HOOK¹ Hook for 1/2" opening in center channel of fixture and one pair of cables for leveling.	240 240V		OCCDIM20 ¹ 20' Mounting Heights	C515 ¹ 6ft cord, 15A, straight plug 120V (5-15P)	
	277 277V		OCCDIM40 ¹ 40' Mounting Heights	CL515 ¹ 6ft cord, 15A, locking plug 120V (L5-15P)	
	347 347V			CL715 ¹ 6ft cord, 15A, locking plug 277V (L7-15P)	
	480 480V			CL720 ¹ 6ft cord, 20A, locking plug 277V (L7-20P)	
				CL2420 ¹ 6ft cord, 20A, locking plug 347V (L24-20P)	
				CL820 ¹ 6ft cord, 20A, locking plug 480V (L8-20P)	
	<i>Note: If specific voltage is unknown, select 120 for low voltage and 480 for high voltage.</i>		<i>Note: Dimmable occupancy sensors only available for 120-277V and require a Wireless Programmer for set up. See accessories.</i>		<i>Note: EMB only available for 120-277V.</i>

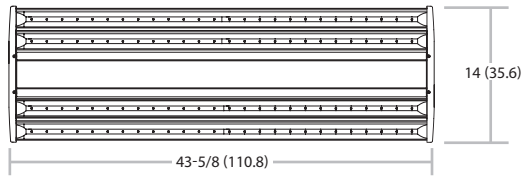
¹ Optional add-on. See price list for pricing.

ACCESSORIES: Must be ordered separately. Packaged separately.

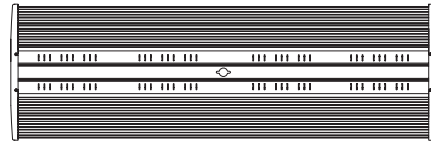
Type	Part Number	Description
WIRELESS PROGRAMMER FOR DIMMABLE OCCUPANCY SENSOR(S)	OCCDIMPROG	Handheld wireless programmer required to setup 120-277V dimmable occupancy sensor(s).
CABLE KIT	CABLEKIT	Kit includes 10 ft Gripple aircraft cable and "Y" snap hook (one pair).
CABLE KIT	SAFETYCABLE	Kit includes 5 ft Gripple aircraft cable with single snap hook.
WIRE GUARDS	ES2-WG-4M	Wire guard protects light modules from impact. Kit includes mounting hardware.

DIMENSIONS: INS (CMS)

BOTTOM VIEW



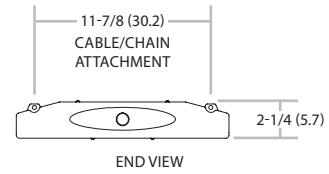
TOP VIEW



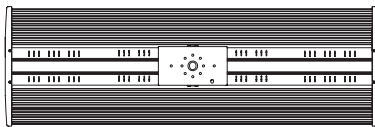
CABLE READY MOUNT (CRM)



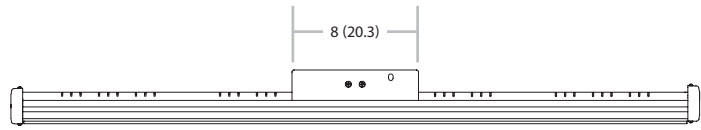
SIDE VIEW



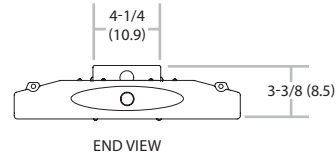
WITH OPTIONAL MBR FOR SURFACE/STEM MOUNT



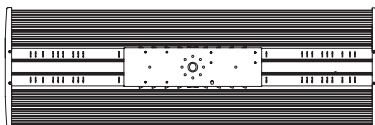
TOP VIEW



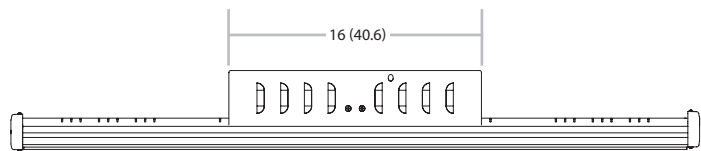
SIDE VIEW



WITH OPTIONAL MBR FOR EMERGENCY BATTERY BACK-UP



TOP VIEW



SIDE VIEW

