ESSENTIALS SERIES 4.0

LED High Bay Fixtures

Project Name	
Date	
Cat. Number	
Type	

Essentials Series 4.0 provides the highest quality, reliability and performance with extraordinary lumen maintenance and efficacy, delivering superior ROI for your application.

Designed with best-in-class thermal management to perform at ambient temperatures up to 65°C.

APPLICATIONS: Industrial and Commercial Facilities, Warehouses, Manufacturing, Parking Garages, Distribution Centers, Hangars, Natatoriums[27] and Indoor Sports.
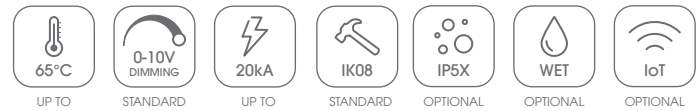
5 YEAR
LUMEN
MAINTENANCE
GUARANTEE

EXTENDED
AND
PREMIUM
WARRANTIES
AVAILABLE

See page 4 for more information

Certifications: ETL Intertek, RoHS, DLC PREMIUM, CE, FC

65°C	0-10V DIMMING	20kA	IK08	IP5X	WET	IoT
UP TO	STANDARD	UP TO	STANDARD	OPTIONAL	OPTIONAL	OPTIONAL

MULTIPLE PATENTS PENDING

FEATURES & SPECIFICATIONS

- **Environment:** Dry/Damp, for interior applications (IP4X). Dust-resistant LED modules, dustproof (IP5X) option available. Wet Location available. Impact protection (IK08).[19]

- **Ambient Range Operation:** -40°C up to 65°C (-40°F up to 149°F), depending on product line[1].

- **Heat Sinks:** Extruded aluminum heat sinks provide optimal thermal management, decreasing LED junction temperature and ensuring long life and high efficacy. In addition, we attach the LED boards to the heatsink using a high quality thermally conductive adhesive instead of screws. This promotes long life even at high ambient temperatures.

- **High-Quality Materials:** FR4 PCB is used to limit stress on solder joints by matching coefficient of thermal expansion between the LED and the PCB more closely.

- **Power Supply Access:** Wireway cover is captured and hinged, opening over 120° for hands-free, easy access and quick wiring. Center hole accepting 3/4" stem and also 1/2" KO near top end of wire way.

- **Mounting:** Fixture is cable ready (CRM) and has a center opening to accept a 3/4" stem mount, cable (CRM), HOOK or surface mount options (with optional MBR). MBR reduces ambient range by 5°C when mounted flush to junction box.

- **Lenses:** UV stable polycarbonate clear and aisle or acrylic (PMMA) frosted available.

- **CCT:** 3500K, 4000K and 5000K standard, other CCT available (extended lead time).[2]

- **Wire Guards:** Optional factory-installed wire guards for the fixture and OCC occupancy sensors are available.

- **Warranty:** 5-year standard including guaranteed L70, up to 10-year optional, also available a 10-year warranty on ES40P fixtures including labor, see Accessories.

- **Rotatable LED Modules:** Field adjustable rotating modules. Easily adjusted outer modules with stops at 45°, 90° and 135°. Factory set at 0°. Allows for customizing light pattern to suit individual situations.[3,15]

- **Bulk Packaging:** All fixtures come in eco-friendly bulk packaging. Individual boxes are also available.

POWER & CONTROL

- **Power Input:** 120-277V or 347-480 (50/60Hz), Typical, depending on model.

- **Dimming:** 0-10V standard. Capable of dimming down to 10%.

- **Power Factor:** Greater than 0.9 (0.96–0.99 typical).

- **Total Harmonic Distortion:** Less than 20%, 10% typical.

- **Occupancy Sensors:** Optional - factory installed photocell sensors.

- **Emergency Battery Backup (EMB and EMB2):** EMB initial lumen output is ~2200 lumens, thereafter EMB produces ~2000 lumens for a minimum of 90 minutes. EMB2 Initial lumen output is ~3600, thereafter EMB2 produces ~2200 lumens for a minimum of 90 minutes. EMB has 16 watts initial output, EMB2 has 20 watts initial output. Available in LV and HV (EMB only)[1,8,10,15,16,18,25]

- **Surge Protection:** Standard is 6kV for drivers. Additional surge protection is available. All HV orders will have 10kV SRG automatically added.

- **Driver Quick Disconnect:** A Driver Quick Disconnect feature is available as an additional option.

TECHNICAL SPECIFICATIONS

PERFORMANCE LINE: Highest efficacy and longest life. Up to 65°C (149°F)

Lumen Output[5]	Efficacy	Watts	Frame[6]	Part Number
8291	165	50	2MS	ES40P-A1-08K-2MS
13438	167	81	4MS or 2M	ES40P-A1-13K-4MS (2M)
15544	165	94	4MS or 2M	ES40P-A1-15K-4MS (2M)
17818	164	109	4MS or 2M	ES40P-A1-17K-4MS (2M)
21743	168	129	6MS	ES40P-A1-21K-6MS
24874	167	149	6MS	ES40P-A1-24K-6MS
31088	167	186	4M	ES40P-A1-31K-4M
36044	166	217	4M	ES40P-A1-36K-4M
43486	168	258	6M	ES40P-A1-43K-6M
49749	167	298	6M	ES40P-A1-49K-6M
58933	165	358	6M	ES40P-A1-58K-6M

STANDARD LINE: High efficacy and long life. Up to 55°C (131°F)

Lumen Output[5]	Efficacy	Watts	Frame[6]	Part Number
6453	159	41	2MS	ES40S-A1-06K-2MS
9822	158	62	2MS	ES40S-A1-09K-2MS
12280	152	81	2MS	ES40S-A1-12K-2MS
17295	142	122	4MS or 2M	ES40S-A1-17K-4MS (2M)
20646	161	128	4MS or 2M	ES40S-A1-20K-4MS (2M)
23789	157	151	4MS or 2M	ES40S-A1-23K-4MS (2M)
30969	163	190	6MS	ES40S-A1-30K-6MS
35394	157	227	6MS	ES40S-A1-36K-6MS
43277	160	271	4M	ES40S-A1-43K-4M
49121	156	315	4M	ES40S-A1-49K-4M
73681	159	465	6M	ES40S-A1-73K-6M

VALUE LINE: Lowest cost per lumen. Up to 45°C (113°F)

Lumen Output[5]	Efficacy	Watts	Frame[6]	Part Number
6135	151	41	2MS	ES40V-A1-06K-2MS[23]
13699	150	92	2MS	ES40V-A1-13K-2MS
15378	147	105	4MS or 2M	ES40V-A1-15K-4MS (2M)
27398	151	181	4MS or 2M	ES40V-A1-27K-4MS (2M)
41097	151	271	6MS	ES40V-A1-41K-6MS
54796	154	356	4M	ES40V-A1-54K-4M
70787	157	455	6M	ES40V-A1-70K-6M

2M model available as a variation of 4MS. Consult factory.

[4] LM-79, LM 80 tests and reports are performed in accordance to IESNA standards, per TM-21. Lumen maintenance in hours (L70 via TM-21) based on 24/7 operation. [5] Typical (±10%) at 277V (LV), 25°C, 4000K/5000K, Clear Lens, CRI 80+. Lumen Multipliers: 3500K = 0.93 ; Frosted Lens = 0.98 ; Aisle Lens = 0.96

LUMEN MAINTENANCE[4]

PROJECTED L70 VIA TM-21 (24/7 OPERATION)

25°C Ambient Temp.	65°C Ambient Temp.[1]
309,000 hours	194,000 hours

Ambient	Year 1	Year 5	Year 10
25°C	99.66%	95.60%	90.76%
45°C	99.51%	94.55%	88.68%
55°C	99.34%	93.81%	87.34%
65°C	99.12%	93.00%	85.88%

Ambient	25°C	35°C	45°C	55°C	65°C
Lumen Multiplier	1.00	0.99	0.98[4]	0.98	0.97

PROJECTED L70 VIA TM-21 (24/7 OPERATION)

25°C Ambient Temp.	55°C Ambient Temp.[1]
256,000 hours	184,000 hours

Ambient	Year 1	Year 5	Year 10
25°C	99.60%	94.99%	89.53%
45°C	99.29%	93.63%	87.01%
55°C	99.09%	92.82%	85.55%

Ambient	25°C	35°C	45°C	55°C	65°C
Lumen Multiplier	1.00	0.98	0.97	0.97	X

PROJECTED L70 VIA TM-21 (24/7 OPERATION)

25°C Ambient Temp.	45°C Ambient Temp.[1]
238,000 hours	191,000 hours

Ambient	Year 1	Year 5	Year 10
25°C	99.52%	94.66%	88.92%
45°C	99.19%	93.22%	86.27%

Ambient	25°C	35°C	45°C	55°C	65°C
Lumen Multiplier	1.00	0.98	0.97	X	X

ORDERING EXAMPLES

Base Fixture: ES40P-A1-08K-2MS-50-80-CL-LV-CRM-10V

Base Fixture with Options: ES40P-A1-08K-2MS-50-80-CL-LV-CRM-OCCDIM20-CW-WET-10V

DLC Number: ES40P-A1-08K-2MS-50-80-CL-LV-(xxx)-10V

SELECT ONE				SELECT ONE	SELECT ONE	SELECT ONE	SELECT ONE
Series-Compliance-Lumens-Frame				**Color Temp**	**CRI**	**Lens**	**Voltage**
ES40S-A1-06K-2MS[7]	ES40V-A1-15K-4MS[6,7]	ES40S-A1-30K-6MS[7]	ES40S-A1-49K-4M	**35**[2] 3500K	**80+** (Standard)	**CL** Clear Lens, Wide Distribution	**LV** 120-277V
ES40V-A1-06K-2MS[7,23]	ES40P-A1-17K-4MS[6,7]	ES40P-A1-31K-4M[7]	ES40V-A1-54K-4M[7,21]	**40** 4000K	Other CRI available upon request	**FR** Frosted Lens, Wide Distribution	**HV**[26] 347-480V
ES40P-A1-08K-2MS[7]	ES40S-A1-17K-4MS[6,7]	ES40P-A1-36K-4M	ES40P-A1-58K-6M[21]	**50** 5000K		**AL** Aisle Distribution	
ES40S-A1-09K-2MS[7]	ES40S-A1-20K-4MS[6,7]	ES40S-A1-36K-6MS	ES40V-A1-70K-6M[21]				
ES40S-A1-12K-2MS[7]	ES40P-A1-21K-6MS[7]	ES40S-A1-43K-6M	ES40S-A1-73K-6M[7,21]	Other CCT available upon request			
ES40P-A1-13K-4MS[6,7]	ES40S-A1-23K-4MS[6,7]	ES40S-A1-43K-4M					
ES40V-A1-13K-2MS[7]	ES40P-A1-24K-6MS[7]	ES40P-A1-49K-6M					
ES40P-A1-15K-4MS[6,7]	ES40V-A1-27K-4MS[6,7]						

SELECT ONE	SELECT ONE IF APPLICABLE, IF NONE, LEAVE BLANK AND MOVE TO CORD & PLUG	SELECT ONE IF APPLICABLE, IF NONE, LEAVE BLANK, MOVE TO OPTION		SELECT AS MANY AS APPLICABLE, SEPARATE EACH WITH "-". IF NONE, LEAVE BLANK, MOVE TO DIMMING		10V
Mounting	**Occupancy Sensors**[10] – No OCC sensor (Standard)	**Cord & Plug** – No cord/plug (Standard) [10,14]		**Option** [10]		**Dimming**
CRM[9] Cable-ready (standard) for suspension mounting or 3/4" stem mount	**OCC8**[10,24] WattStopper OCC Sensor, on/off, w/ photocell, 8' mounting height	**6' 18AWG CORD, WHITE WITH THE FOLLOWING-**	**10' 18AWG CORD, WHITE WITH THE FOLLOWING-**	**EMB**[1,8,10,15,16,18,25] Emergency battery back-up. Adds 1.25" to fixture height	**CTRLR**[10,12,15,16,17] Control Ready 5-wire harness (factory installed)	**10V** 0-10V Interface (Standard)
MBR[1,10] Factory installed mounting box and bracket for surface mount applications - adds 1 1/8" to fixture height	**OCCDIM8**[10,11,24] WattStopper OCC Sensor, dimmable, w/ photocell, 8' mounting height	**CW**[10,14] Cord, 15A, 3-wire, no plug	**10CW**[10,14] Cord, 15A, 3-wire, no plug	**EMB2**[1,8,10,15,16,18,25] High lumen emergency battery back-up. LV Only. Adds 1.25" to fixture height	**WG**[3,10] Fixture Wire Guard	
HOOK[10] Field installed mounting kit, includes hook and one leveling Y-cable.	**MOCCDIM8**[10,12,24] WattStopper OCC Sensor, manual set and photocell, dimmable, 8' mounting height	**DW**[10,14] Dimming cord, 15A, 5-wire, no plug	**15' 18AWG CORD, WHITE WITH THE FOLLOWING-**	**QDC**[10,15] Driver Quick Disconnect	**CTOPEND**[1,8,10,13] Cord mounted on top edge of wireway	
Plate and **Hanger** mount also available, sold and packaged separately, see Accessories, order as **CRM**.	**OCC20**[10,24] WattStopper OCC Sensor, on/off, w/ photocell, 20' mounting height	**C515**[10,14] Cord, 15A, straight plug 120V (5–15P)	**15CW**[10,14] Cord, 15A, 3-wire, no plug	**SRGOFF**[10,15,16,20,26] Fixture installed 20kA Surge Suppression Device, Fails to OFF	**WET**[3,10,15,16] Wet location rated. Only available with no cord or CW or DW cord option.	
	TOCC20[10,12,13,24] IR-TEC OCC Sensor, on/off, w/ photocell, 20' mounting height	**CL515**[10,14] Cord, 15A, locking plug 120V (L5–15P)	**15DW**[10,14] Dimming cord, 15A, 5-wire, no plug	**SRG**[10,26] Fixture installed 10kA Surge Protector fails to ON	**DUST**[3,10] Dustproof (IP5X)	
Other mounting options available, contact factory	**TOCCDIM20**[10,11,15,24] IR-TEC OCC Sensor, dimmable w/ photocell, LV only, 20' mounting height	**CL715**[10,14] Cord, 15A, locking plug 277V (L7–15P)	**15C515**[10,14] Cord, 15A, straight plug 120V (5–15P)	**BOX**[10] Individual box packaging available	**INDR**[1,3,10,15] LED modules factory inverted for Indirect lighting	
	OCCDIM20[10,11,15,24] WattStopper OCC Sensor, dimmable, w/ photocell, 20' mounting height	**CL720**[10,14] Cord, 20A, locking plug 277V (L7–20P)	**15CL515**[10,14] Cord, 15A, locking plug 120V (L5–15P)	**CTRWT**[7,10] Counter Balance Weight for MBR and stem mounting (certain fixtures only, see notes for applicable models, contact factory)	**GTD**[10,16,21] Generator transfer device	
	MOCCDIM20[10,12,24] WattStopper OCC Sensor, manual set and photocell, dimmable, 20' mounting height	**CL2420**[10,14] Cord, 20A, locking plug 347V (L24–20P)	**15CL715**[10,14] Cord, 15A, locking plug 277V (L7–15P)			
	OCC40[10,24] WattStopper OCC Sensor, on/off, w/ photocell, 40' mounting height	**CL820**[10,14] Cord, 20A, locking plug 480V (L8–20P)	**15CL720**[10,14] Cord, 20A, locking plug 277V (L7–20P)	**CTRL**[8,10,12,15,16,26] Fixture installed EnOcean Control module. 120-277V Wire-in Relay, 16A, 0-10V		
	TOCC40[10,12,13,24] IR-TEC OCC Sensor, on/off, w/ photocell, 40' mounting height	**CACS**[10,16,22] 6' SO Cord whip, ACS Locking System, 277/480V, 2-wire w/ ground	**15CL2420**[10,14] Cord, 20A, locking plug 347V (L24–20P)			
	TOCCDIM40[10,11,15,24] IR-TEC OCC Sensor, dimmable w/ photocell, LV only, 20' mounting height	**CACSMC**[10,16,22] 6' MC Cable, ACS Locking System, 277/480V, 2-wire w/ ground	**15CL820**[10,14] Cord, 20A, locking plug 480V (L8–20P)			
	OCCDIM40[10,11,15,24] WattStopper OCC Sensor, dimmable, w/ photocell, 40' mounting height		**Other cord options available, contact factory**			
	MOCCDIM40[10,12,24] WattStopper OCC Sensor, manual set and photocell, dimmable, 40' mounting height					
	Other control options available, contact factory					

When submitting for utility incentives and rebates, please use catalog numbers. When ordering OPTIONS, separate each option with a "-". Catalog number always ends with dimming selection "10V"

ACCESSORIES

Must be ordered separately. Packaged separately.

Type	Part Number	Description
Safety Kit	SAFETYCABLE	Kit includes (one) 5 ft. aircraft cable with single snap hook, L-bracket, screw and nut. For use with HOOK, MBR, PLATE MOUNT or stem mounting options.
Cable Kit	CABLEKIT	Kit includes (two) 10 ft. aircraft "Y" cables and snap hooks (one pair).
Hanger	HANGER	Kit includes two wire V hangers. Order fixture with CRM mounting option.
Plate Mount	PLATE	Kit includes hanging plate with mounting hole for 3/4" conduit and (four) each 5 ft. aircraft cables and snap hooks. Order fixture with CRM option.
Occupancy Sensor Wire Guard	OWG	Wire guard for occupancy sensors, field install. Shipped in separate box.
Wireless Programmer for Dimmable Occupancy Sensor(s)	OCCDIMPROG	Handheld wireless programmer for setup OCCDIMXX dimmable occupancy sensors. Required with OCCDIM8, OCCDIM20 and OCCDIM40 selection.
Replacement Power Supply		Available upon request. Contact factory for details.
IR-TEC Wireless Programmer for Dimmable Occupancy Sensors	TOCCDIMPROG	Handheld wireless programmer for setup TOCCDIMXX dimmable occupancy sensors. Required with TOCCDIM20 and TOCCDIM40 selection.
10-Year Labor Warranty	10PREMIUM	Only available for Essentials Series 4.0 Performance Line (ES40P). 10-year coverage for parts, lumen maintenance (L70) and labor reimbursement of $300 per fixture. Contact your Sales Rep for details.
EnOcean Controls (for use with EnOcean control module, CTRL)		
Single Rocker	ENSR	EnOcean Control Single Rocker
Double Rocker	ENDR	EnOcean Control Double Rocker
Wall Occupancy Sensor	ENWLOCC	EnOcean Control Wall OCC
Ceiling Occupancy Sensor	ENCLOCC	EnOcean Control Ceiling OCC
Ceiling Daylight Sensor	ENDAY	EnOcean Control Daylight Sensor
Software	ENSFT	EnOcean Control Navigan Commissioning Software

WARRANTY UPGRADES		
Type	Part Number	Description
7-Year Extended Warranty	FLS-EXTENDED-WARRANTY-7	Extends coverage for parts for a total of 7 years
10-Year Extended Warranty	FLS-EXTENDED-WARRANTY-10	Extends coverage for parts for a total of 10 years
10-Year Premium Warranty	10PREMIUM	10-year coverage for parts, lumen maintenance (L70) and labor reimbursement of $300 per fixture. Only available for Essentials Series 4.0 Performance Line (ES40P)

LISTINGS & CERTIFICATIONS

- ETL listed (UL 1598) - RoHS Compliant
- DesignLights™ Consortium Premium
- EMI: Title 47 CFR 15 Class A and ICES-005 - CSA 22.2

END NOTES

1. MBR, 135° module setting and INDR fixtures max. temp 5°C less, typical. EMB fixtures 32°F to 113°F (0°C to 45°C). EMB for ES40V-A1- 41K-6MS fixtures 32°F to 95°F (0°C to 30°C) and not available with EMB and OCC sensor. HV EMB not available on ES40V-A1-41K-6MS. HV EMB Max ambient 35°C. HV EMB includes step-down transformer. Temperatures below -20° have limited switch cycles, consult factory. Generator Transfer Device ambient range 0°C to 50°C (32°F to 122°F). EMB and EMB2 not available with CTOPEND.

2. 3500K CCT is not DLC qualified.

3. Rotatable Modules will rotate when wire guards are installed. Rotatable Modules will function in INDR mode on 4M, 4MS, 6M and 6MS only. With WET and DUST options, the Rotatable Modules are not able to be set in the field; if custom settings are required, please consult factory.

4. LM-79, LM 80 tests and reports are performed in accordance to IESNA standards, per TM-21. Lumen maintenance in hours (L70 via TM-21) based on 24/7 operation.

5. Typical (±10%) at 277V (LV), 25°C, 4000K/5000K, Clear Lens, CRI 80+. Lumen Multipliers: 3500K = 0.93 ; Frosted Lens = 0.98 ; Aisle Lens = 0.96.

6. All 4MS units can be configured in the 2M (longer) size for additional cost, please contact factory.

7. Counterweight is available for fixtures with odd number of power supplies which may not hang level from a non-rigid, single point mount. Models affected are: ES40S-A1-06K-2MS, ES40V-A1-06K-2MS, ES40P-A1-08K-2MS, ES40S-A1-09K-2MS, ES40S-A1-12K-2MS, ES40P-A1-13K-4MS, ES40V-A1-13K-2MS, ES40P-A1-15K-4MS, ES40P-A1-17K-4MS, ES40S-A1-17K-4MS, ES40S-A1-20K-4MS, ES40P-A1-21K-6MS, ES40S-A1-23K-4MS, ES40V-A1-27K-4MS, ES40P-A1-24K-6MS, ES40S-A1-30K-6MS, ES40P-A1-31K-4M, ES40V-A1-54K-4M and ES40S-A1-73K-6M, ES40S-A1-36K-6MS.

8. ES40V-A1-41K-6MS not available with CTOPEND. HV EMB not available on ES40V-A1-41K-6MS. When ordered with any OCC sensor this unit will have the MBR mounting option only. This unit is not available with EMB and OCC sensor together. Even with the MBR mounting option these may be cable mounted. This fixture will have CTRL (EnOcean module) installed through the KO on the top end of the wire way. CTOPEND not available on this fixture with CTRL option.

9. Optional CABLEKIT ordered separately. See ACCESSORIES.

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

11. Wireless programmer required for final field setup. See ACCESSORIES.

12. 120-277V only.

13. Fixtures ordered with any cord option and an IR-TEC OCC Sensor will have the cord exit from the fixture from the center of the fixture only. CTOPEND not available.

14. All cords are 18/3 AWG, 600V and white. DW and 15DW are 18/5, 600V and white.

15. WET rating covers the fixture and OCCDIM20/40 only (if ordered as an option). It does NOT include the following sensors or controls: CTRL, CTRLR, OCC, TOCC, TOCCDIM or MOCCDIM. QDC and EMB not available with WET option. Not compatible with INDR. SRGOFF is IP66 and will work with WET option when used with approved, WET LOCATION connectors (supplied by other).

16. Consult factory for orders requiring EMB, EMB2, WET, CTRL and CTRLR. GTD, SRGOFF, CACS and CACSMC may have extended lead times.

17. CTRLR includes 5 wires, capped off inside of fixture for use with field installed controls.

18. Dimensions listed are for the fixture only. See dimensional drawings for measurements with mounting hardware. Weights are approximate and vary by model, if weight is a concern, please contact factory. Weight changes when battery backup is added.

19. Clear and Aisle lens only and all fixtures including a wire guard option.

20. 20kA Surge suppression device in which, when triggered, the fixture will fail in the "Off" mode (fixture will not illuminate). Not available with ES40-A1-41K-6MS.

21. Generator Transfer Device. Ambient range is 0°C to +50°C (32°F to 122°F)
    Provides full fixture output on generator power for all fixtures except ES40V-A1-54K-4M, ES40P-A1-58K-6M, ES40V-A1-70K-6M, which will have 50% output and ES40S-A1-73K-6M, which will have 60% output. The GTD is not available on the ES40V-A1-41K-6MS. GTD is available on LV only; not available on HV fixtures. Voltage must be specified as either 120V or 277V. Requires separate line for GTD to function.

22. American Cable Systems connector for modular wiring. The connector is 277/480V, 2-wire with Ground. If a different connector is required, please contact factory with details of the installation.

23. ES40V-A1-06K-2MS Max ambient is 55°C

24. Settings for sensors from factory:

    OCC (LV and HV)--If no movement for 15 mins, OFF
    TOCC-- If no movement for 10 mins, OFF
    OCCDIM—If no movement for 5 mins, dim to 10%, if no movement for 60 mins, OFF
    MOCCDIM--If no movement for 15 mins, dim to 10%, if no movement for ~8 mins, OFF. The photocell is disabled from the factory.
    TOCCDIM—If no movement for 10 mins, dim to 30%, if no movement for 10 minutes, OFF.

25. When using EMB or EMB2, ES40V-A1-06K-2MS, ES40V-A1-15K-4MS (2M) and ES40S-A1-17K-4MS (2M) have ~74% of rated output in battery powered mode.

26. SRG (10kA protection) is standard option on all HV fixtures. Controls and sensors should have optional SRG or SRGOFF added. They are not protected by the internal surge suppression provided by the driver.

27. With WET option only.

DIMENSIONS & DRAWINGS

See End Note #18.

Model	Length (in)	Width (in)	Height (in)	Weight (lb)
2MS	23.1	8.28	2.1	~8
4MS	23.1	11.2	2.1	~10
6MS	23.1	14.1	2.1	~14
2M*	43.72	8.28	2.1	~16
4M	43.72	11.2	2.1	~18
6M	43.72	14.1	2.1	~20.6

Bottom View
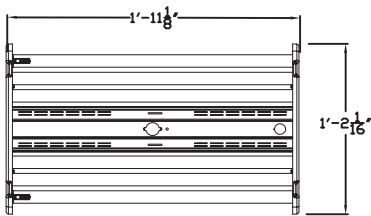
*2M available as a variation of 4MS. Consult factory.

MBR and EMB mounting options adds 1 ⅛" to fixture height.

MBR on MS (short) fixtures with EMB adds 1 ¼" to fixture height to fixture height.

Weights are approximate and vary by model, if weight is a concern, please contact factory.

Cable Ready Mount (CRM)
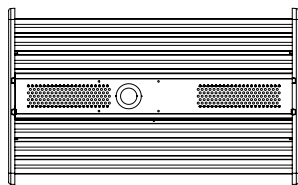
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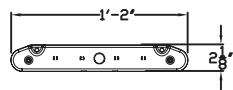
END VIEW
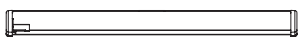
SIDE VIEW

Fixture Mounting Box (MBR)
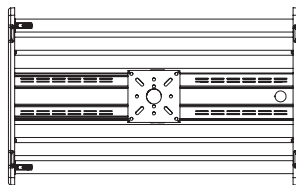
TOP VIEW
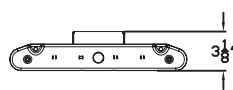
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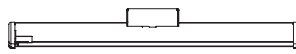
SIDE VIEW

Fixture Mounting Box (EMB)
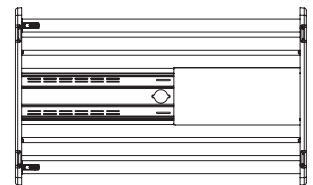
TOP VIEW
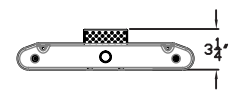
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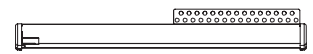
SIDE VIEW

Surface Mount Option
(when ordering **EMB with MBR)**
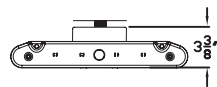
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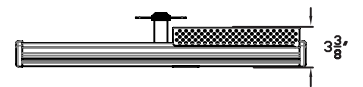
SIDE VIEW

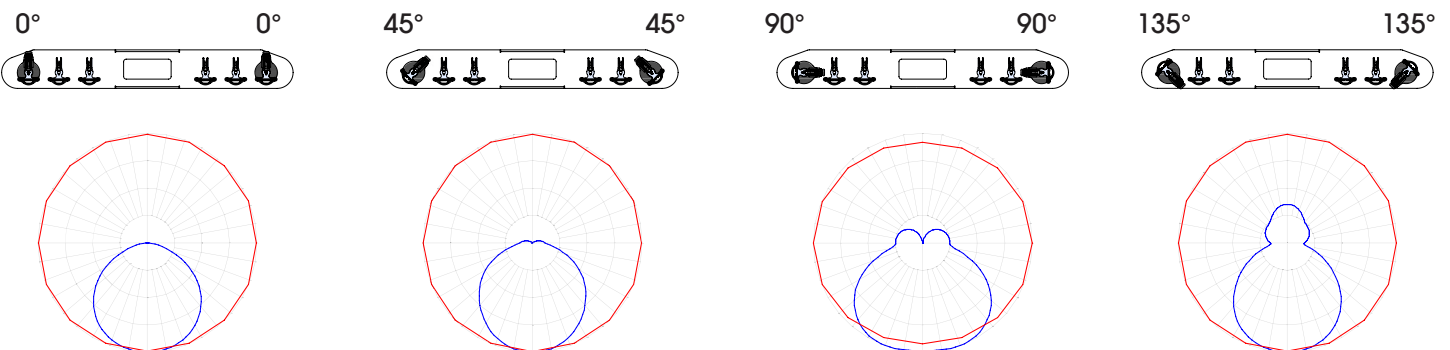## LIGHT DISTRIBUTION AT DIFFERENT MODULE ANGLES WITH CLEAR LENS

2M and 2MS
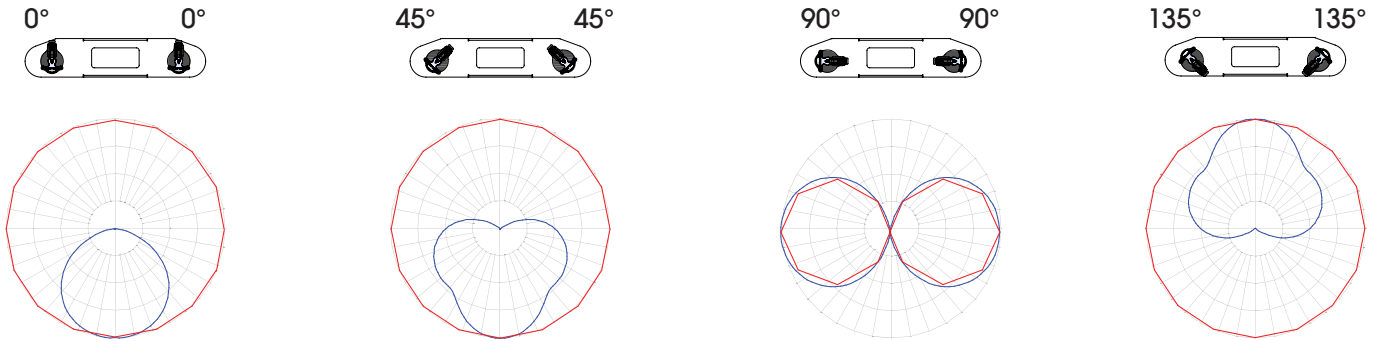
4M and 4MS
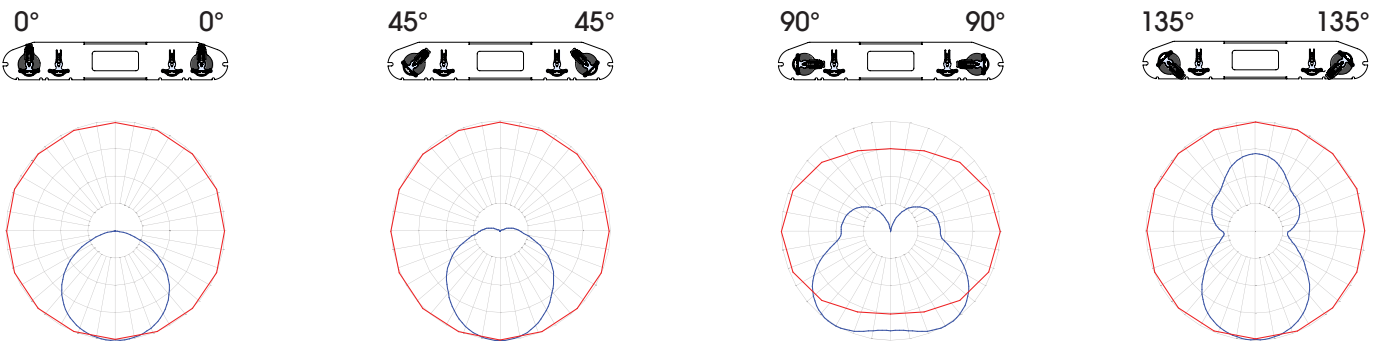
6M and 6MS

flex

Flex Lighting Solutions