ABOUT THE SERIES
From the award-winning Essentials family of LED fixtures, the Performance Line delivers superior performance, quality and versatility for high bay applications. With up to 156 lm/W efficacy and up to 80% lower power consumption compared to traditional fluorescent and HID light sources, these fixtures from Flextronics Lighting Solutions are designed to lower your total cost of ownership (TCO). Dedicated heat sinks ensure superior performance and extended useful life.

INTENDED USE

<table>
<thead>
<tr>
<th>Target Mounting Heights</th>
<th>Comparable Traditional Light Source</th>
<th>Reduction in Power Consumption over Traditional Light Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>20-40 Feet (6-12m)</td>
<td>4-Lamp T5HO or 250W Metal Halide</td>
<td>63-70%</td>
</tr>
</tbody>
</table>

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:** Ordered separately as optional accessory, EMB is available, producing 2000-2200 lumens for a minimum of 90 minutes. Fixtures are manufactured EMB ready and EMB is installed in the field.

LUMEN MAINTENANCE
- **L70 LIFE:** 95% lumen maintenance at 60,000 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 3/4” stem mount. Cable, stem or surface mount options.
- **LENSES:** UV stable clear or frosted polymeric material. Consult chemical resistance chart for guidance in selecting appropriate lens for your application.
- **WIRE GUARDS:** Optional wire guards can be field installed. See accessories ordering information.
- **WARRANTY:** Limited 5-year warranty.
- **AMBIENT OPERATING TEMPERATURES:**
  - CRM and HOOK fixtures: -41°F to 131°F (-40° to 55°C)
  - MBR and EMB fixtures: -20°F to 122°F (-35° to 50°C)
  (Temperatures below -20° have limited switch cycles. Consult factory for details.)

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:

ES3P-UL-2M-50-WIDE-CA-CRM-10V-OCCN-CORDN-EMBN

<table>
<thead>
<tr>
<th>SERIES</th>
<th>COMPLIANCE</th>
<th>MODEL</th>
<th>COLOR TEMP</th>
<th>DISTRIBUTION</th>
<th>LENS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES3P Essentials Series - Performance Line</td>
<td>UL Listed</td>
<td>2M</td>
<td>40 4000K</td>
<td>Wide Distribution</td>
<td>CA Clear Acrylic Lens</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>50 5000K</td>
<td></td>
<td>FP Frosted Polycarbonate Lens</td>
</tr>
</tbody>
</table>

### Voltage
- **LV** 120-277V
- **HV** 347-380V

### Color Temperature
- **40** 4000K
- **50** 5000K

### UL Compliance
- UL Listed

### Model
- 2M 2 Modules

### Distribution
- Wide Distribution

### Lens
- CA Clear Acrylic Lens
- FP Frosted Polycarbonate Lens

### Accessories

<table>
<thead>
<tr>
<th>Type</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Kit</td>
<td>CABLEKIT</td>
<td>Kit includes 10 ft Gripple aircraft “Y” cables and snap hooks (one pair).</td>
</tr>
<tr>
<td>Safety Cable</td>
<td>SAFETYCABLE</td>
<td>Kit includes (one) 5 ft Gripple aircraft cable with single snap hook.</td>
</tr>
<tr>
<td>Wireless Programmer for Dimmable Occupancy Sensor(s)</td>
<td>OCCDIMPROG</td>
<td>Handheld wireless programmer for setup OCCDIMXX dimmable occupancy sensors. Required with OCCDIM20 and OCCDIM40 selection.</td>
</tr>
<tr>
<td>Daintree Wireless Control Kits</td>
<td>ES3-DAINT</td>
<td>Kit includes Daintree Wireless Fixture Adapter, wiring harness and screws.</td>
</tr>
<tr>
<td></td>
<td>ES3-DAINTOCC</td>
<td>Kit includes Daintree Wireless Controller with integral occupancy sensor and (2) lens options (20’ or 40’ ceiling height).</td>
</tr>
<tr>
<td>Wireguards</td>
<td>ES3-WG-XX</td>
<td>Wire guard protects LED modules from impact. Kit includes mounting hardware.</td>
</tr>
<tr>
<td>Replacement Power Supply</td>
<td>ES3-PS-UL-LV-75W</td>
<td>Field replaceable power supply, 120/277V, 75W, for 2MS model only.</td>
</tr>
<tr>
<td></td>
<td>ES3-PS-UL-LV-150W</td>
<td>Field replaceable power supply, 120/277V, 150W, for 2M, 4M, 4MS, 6M, and 6MS models.</td>
</tr>
<tr>
<td></td>
<td>ES3-PS-UL-HV-75W</td>
<td>Field replaceable power supply, 347/480V, 75W, for 2MS model only.</td>
</tr>
<tr>
<td></td>
<td>ES3-PS-UL-HV-150W</td>
<td>Field replaceable power supply, 347/480V, 150W, for 2M, 4M, 4MS, 6M, and 6MS models.</td>
</tr>
<tr>
<td>Emergency Battery Backup Kit</td>
<td>ES3-EMBLV</td>
<td>Emergency battery backup suitable for a minimum 90 minutes of emergency operation, when normal power is unexpectedly interrupted. Required with &quot;EMBR&quot; selection.</td>
</tr>
</tbody>
</table>

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1 Optional add-on. See price list for pricing.
2 Optional add-on for 120-277V only. High voltage options available as special order with longer lead time.
3 Contact factory for pricing and lead time.
4 Daintree options do not include Daintree ControlScope Software™, wireless connection hardware/infrastructures, or field commissioning.
5 Consult Daintree for more information and ordering assistance.
6 Optional add-on available in 120-277V only.
7 Wireless program required for final field setup. See ACCESSORIES.
8 Optional CABLEKIT ordered separately. See ACCESSORIES.
9 Field installed EMB KIT must be ordered with this option. See ACCESSORIES.
10 Field installed Daintree Wireless Control kit must be ordered with this option. See ACCESSORIES.

**Ratings**: All cords are 16/3 AWG, 600V, and white.

**Contact Factory**: Orders requiring DAINTR and EMBR.
CLEAR ACRYLIC LENS

DESCRIPTION
Wide distribution maximizes spacing, provides high uniformity and LED protection. Typically used for mounting heights of 20-40 feet (6-12m).

FIXTURE DATA
Part Number: ES3P-UL-2M-50-WIDE-CA
CCT: 5000K, LV: 0.911
Fixture Lumen Output: 13,335 lm
Fixture Wattage: 88W
Fixture y Rating: 152 lm/W

CCT LIGHT OUTPUT CONVERSIONS
4000K, LV: 0.943
5000K, LV: 1.000
5000K, LV: 1.035

FROSTED POLYCARBONATE LENS

DESCRIPTION
Semi-diffused frosted lens provides glare control and LED protection. Typically used for mounting heights of 20-40 feet (6-12m).

FIXTURE DATA
Part Number: ES3P-UL-2M-50-WIDE-FP
CCT: 5000K, LV: 0.911
Fixture Lumen Output: 12,119 lm
Fixture Wattage: 88W
Fixture y Rating: 138 lm/W

COEFFICIENTS OF UTILIZATION
RC 80 70 50 30 10 0
RW 70 50 30 10 0

DIMENSIONS: in (cm)

CABLE READY MOUNT (CRM)

SIDE VIEW

FIXTURE MOUNTING BOX (MBR) or (EMB)

SIDE VIEW