

ESSENTIALS SERIES 4.0

LED High Bay Fixtures

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.

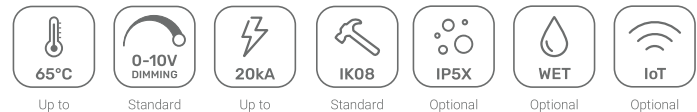
APPLICATIONS: Industrial and Commercial Facilities, Warehouses, Manufacturing, Parking Garages, Distribution Centers, Hangars, Natatoriums²⁷ and Indoor Sports.



FEATURES & SPECIFICATIONS

- **Environment:** Dry/Damp, for interior applications (IP4X). Dust-resistant LED modules, dust-proof (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 line¹.
- **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 heat sink 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.

Project Name	
Date	
Cat. Number	
Type	



MULTIPLE PATENTS PENDING

- **Warranty:** 10-year standard including guaranteed L70.
- **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 produces ~2000 lumens for a minimum of 90 minutes. EMB2 produces ~2200 lumens for a minimum of 90 minutes. EMB has 16 watts output, EMB2 has 20 watts output. EMB factory installation only, not able to be field installed. Available in LV and HV (EMB, M fixtures 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.