A650 Solar Runway, Taxiway and Barricade Light

The A650 meets traditional airfield requirements for taxiways and general purpose marking.

- ICAO and FAA compliant
- Intensity greater than 10 candela
- Dusk to dawn or ondemand operation
- Infrared LEDs for NVG compatibility available

Applications
- Taxiway and apron edge
- Construction, barricades and fences
- Temporary and permanent markings
- Helipads
- Hazard marking

Compliant Output

Easy Installation and Relocation
No specialized work crew required. Lights are immediately operational with limited air traffic disruption. The A650 can be quickly relocated for temporary or emergency applications.

Self-Contained and Low Maintenance
All components are incorporated within a compact, stand-alone unit. The A650 features a replaceable battery pack that extends the service life beyond 5 years, reducing the total cost of ownership and resulting in significant cost savings.

Unprecedented Reliability
Energy Management System (EMS) monitors and adapts the brightness to environmental conditions for consistent operation and long life under the toughest conditions.

User-Friendly
Easy configuration and programming options, including onboard user interface, Infrared Programmer and device manager software through USB connection or optional wireless control system offering secure 900 MHz.
A650

SPECIFICATIONS

Compliance
FAA L-861T per AC 150/5345-46D
ICAO Annex 14 Vol 1, 5th edition blue taxiway light
Barricade and construction applications at Commercial Part 139 Airports under FAA Advisory Circular AC 150/5370-2E

Solar Panel
High-efficiency cells with bypass and blocking diode function
Maximum power point tracking (MPPT) for optimal energy collection

Battery
Tool-less, replaceable and recyclable battery pack with extreme temperature range
Battery status feedback of good, charge or bad (replace)
2500 cycles or 7-year lifetime on average

Light Source
High-powered LED
Color-specific temperature-corrected LED drivers provide consistent intensity under all operating conditions

Intensity
Greater than 10 cd intensity, steady-on in certain colors

Flash Patterns
256+ (non-wireless)
Steady-on mode and flash patterns (wireless)

Construction
Premium-grade, UV-resistant, polycarbonate/polysiloxane co-polymer body and lens material
Double O-ring sealing with waterproof vent

Colors
Blue, red, yellow, green, white and red/green
ICAO and SAE25050 (FAA) compliant chromaticity
NVG-compatible infrared LEDs (wireless only)

Operating Temperature
-45 to 124 ºF (-43 to 51 ºC) ambient temperature
Functions up to 190 ºF (88 ºC) internal and surface temperatures

Storage Temperature
-45 to 176 ºF (-43 to 80 ºC)

Color Indicator
Yes, FAA Eng. Brief 67 compliant

Weight
3.5 lbs (1.6 kg)

Wind Loading
400 mph (644 kph)

Automatic Light Control (ALC)
When enabled, automatically adjust to low levels of sunlight to ensure continuous operation

Radio Receiver
900 MHz ISM (wireless)

Range
Up to 2.5 mi (4 km) (wireless)

Humidity, Immersion, Vibration, Shock
MIL-STD-202G

Ingress
EN 60945 ESD, EMI, EMC; IP68; L70
MIL-STD-810G solar radiation & salt fog

CONFIGURATION

<table>
<thead>
<tr>
<th>Model</th>
<th>Output</th>
<th>Switch</th>
<th>Control</th>
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</thead>
<tbody>
<tr>
<td>A650</td>
<td>Red</td>
<td>White</td>
<td>Non-switched</td>
</tr>
<tr>
<td></td>
<td>Green</td>
<td>Yellow</td>
<td>Switched*</td>
</tr>
<tr>
<td></td>
<td>Red/Green</td>
<td>Blue</td>
<td>Wireless*</td>
</tr>
</tbody>
</table>

DIMENSIONS

Side View

Bottom View

Switched View*

Also available with 77/8" (200 mm) bolt circle adapter

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