

Office of Airport Safety and Standards Update

IESALC Spring Meeting
May 8, 2018

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Federal Aviation
Administration



Agenda

- Overview
- Advisory Circular Updates



Standards and Guidance

- Advisory Circulars (ACs) / Engineering Briefs (EBs)

The screenshot shows the FAA website's 'Series 150 Advisory Circulars (ACs) for Airport Projects' page. The page features a search bar, a list of 'New & Revised ACs', and a 'Draft ACs' section. The 'New & Revised ACs' table is as follows:

Number	Title	Publication Date
150/5370-17	Airside Use of Heated Pavement Systems (posted 3/31/2011)	3/29/2011
150/5340-1K	Standards for Airport Markings (posted 3/22/2011)	9/3/2010

Below the table, there is a link for 'New/Revised Comments, Errata Sheet for Change 1/Consolidated AC for AC 150/5340-1K (March 22, 2011)'. The 'Draft ACs' section is partially visible at the bottom.

http://www.faa.gov/airports/resources/advisory_circulars/



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Draft Advisory Circulars

- **AC 5340-18F - Airport Sign Systems (Industry Review Completed)**
- **AC 5345-28G – PAPI Systems (Industry Review Completed)**
- **AC 5340-1M - Airport Markings (Signature pending)**
- **AC 5345-26E - Plug and Receptacles (Industry Review Completed)**
- **AC 5345-27F - Wind Cones (Industry Review)**
- **AC 5345-43H - Obstruction Lighting Equipment (Industry Review)**
- **AC 5345-54C - PCU (Industry Review)**



Advisory Circular Updates



AC 150/5345-43J

- Incorporated Infrared Specifications for LED Obstruction Lights per Engineering Brief #98



U.S. Department
of Transportation
**Federal Aviation
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Advisory Circular

Subject: Specification for Obstruction
Lighting Equipment

Date: Draft

Initiated By: AAS-100

AC No: 150/5345-43J

Change:



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Infrared Specifications for red LED Obstruction Lights

IR Wavelength (nominal)	Applicability	IR Vertical Beam Width	IR Radiant Intensity
800-900 nm	L-810 (L)	$\geq 10^{\circ 1}$	Minimum: 4 mW/sr
	L-864 (L) and L-885 (L)	$\geq 3^{\circ}$	Minimum: 246 mW/sr



AC 150/5345-26E

- **Added reference to UL 2556 and procedure B1 for static strain under ASTM D-1149-16 for requirements for connector housing weathering test.**



Changes to AC 150/5345-28H

Section 3.2.1 Photometric Requirements

“...12. If LED lamps are used they must have a minimum rated life of 50,000 hours.”

Section 3.2.2 Light Unit Construction

“...The light unit must prevent dew or frost/ice from accumulating on its lens surfaces. This may be accomplished by thermostatically activated heating or intrinsic heat management ...”

Section 3.2.3.2 Adjusting Hardware

PAPI should be capable of modifying the horizontal light beam coverage of the PAPI for obstacle avoidance in the approach area and light signal obstructions. This can be accomplished using baffles, sometimes called blanking devices.



Questions?

