



Flight Light Inc.  
2708 47th Ave.  
Sacramento, California, U.S.A.  
95822-3806



9LC Series  
Red Light Controller  
Hughey & Phillips

PH (916) 394-2800    FX (916) 394-2809  
TF (800) 806-3548    EM [info@flightlight.com](mailto:info@flightlight.com)

## Compliance and Applications

FAA AC 150/5345-43F, ICAO Annex 14, CAR 621.19

The 9LC Series lighting controller combines the finest in digital circuitry with rugged electromechanical hardware to yield the industry's most comprehensive obstruction lighting controls. Standard models are available for all common FAA and ICAO applications. The 9LCs modular design allows for custom controls for almost any combination of flashing red beacons and sidelights. All models include a NEMA 4 outdoor housing and a calibrated photocell for automatic day/night switching. A photocell override switch is standard on all systems, facilitating troubleshooting or maintenance. All controls provide comprehensive status indicators and alarm contacts for easy connection to remote monitoring systems.

## Features

- Controls for multiple beacons - flash all beacons simultaneously per FAA and ICAO specifications.
- Lightning protection provided by:
  - Circuit breaker protection to all tower lighting circuits.
  - MOV surge suppressors on all inputs, outputs, and photocell lines.
  - Toroidal current sensors isolate tower lines from monitoring circuitry.
- Load balance resistor capability is available.
- Modular design allows customization for nearly any application.
- Dozens of models already developed for control of up to 14 beacons.
- Standard with NEMA 4 enclosures (NEMA 4X optional upgrade).

## Alarm Contacts / Control Status

- Individual alarm contacts and control status is provided for:
  - Control power failure.
  - Day/night mode status.
  - Each flashing red beacon.
  - Each level of steady burning obstruction lights.
  - Flasher by-pass alarm/status for each beacon.
- Number of lamps being monitored can easily be changed by setting dip-switches.
- Bi-color red/green LED status indicators provide instant indication of alarm and control status.
- Normally open and normally closed alarm contacts are both available.
- Primary and auxiliary alarm contacts provided.



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Model #	System	Lighting Type	Structure Height	Input Voltage (50/60Hz)	Beacons	Strobes	Sidelight Levels	LBR Capability
9LCA001000AA	FAA A-0	Incandescent	0 - 150'	120V	0		1	No
9LCA111L00AA	FAA A-1	Incandescent	151' - 350'	120V	1		1	Yes
9LCA233L00AA	FAA A-2	Incandescent	351' - 700'	120V	3		2	Yes
9LCA354L10AA	FAA A-3	Incandescent	701' - 1050'	120V	5		3	Yes
9LCA474L10AA	FAA A-4	Incandescent	1051' - 1400'	120V	7		4	Yes
9LCD111000AA	FAA D-1	Strobe	200' -350'	120V		1		No
9LCD231000AA	FAA D-2	Strobe	351' - 500'	120V		3		No
9LCE111L0BAA	FAA E-1	Inc/Strobe	200' -350'	120V	1	1		Yes
9LCE233L0BAA	FAA E-2	Inc/Strobe	351' - 500'	120V	3	3		Yes
9LCIA06000AA	ICAO A-0	Incandescent	0 - 150'	230V			1	No
9LCIB16L00AA	ICAO A-1	Incandescent	151' - 350'	230V	1		1	Yes
9LCR001000AA	FAA A-0	LED	0 - 150'	120V			1	No
9LCR111000AA	FAA A-1	LED	151' - 350'	120V	1		1	No
9LCR231000AA	FAA A-2	LED	351' - 700'	120V	3		2	No
9LCR354000AA	FAA A-3	LED	701' - 1050'	120V	5		3	No

*Partial listing only – Please contact Flight Light for more configurations*

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