



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

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

30KW Constant Current Dry-Type Regulators Low, Medium and High Intensity FAA L-828

Compliance and Applications

FAA: L-828 (AC 150/5345-10)

Flight Light's 30KW dry-type saturable reactor network constant current regulators provide precision control of runway lighting series circuits in low, medium and high intensity applications. Because they use SOLA/Hevi-Duty's extremely reliable design and durable magnetic components, our regulators are not susceptible to extraneous signals that cause competing solid state electronic designs to fail. In fact, our units are tested to assure zero interference with radio communications.

Why Our CCR's are Better

- Multiple outputs at 15KW, 20KW, and 30KW as a standard feature.
- Super Efficient Energy Saver: Input current is completely dependent on output load.
- Magnetic components are not susceptible to extraneous signals and do not create interference with radio communications.
- Simple design makes it easy to install and virtually maintenance free.
- Excellent current regulation, no load to full load and with up to 30% lamps inoperative. Output current stable within 0.1 amps at any output.
- Power factor exceeds industry standards: more efficient than required by FAA.
- Automatically compensates for -5% to +10% input voltages.



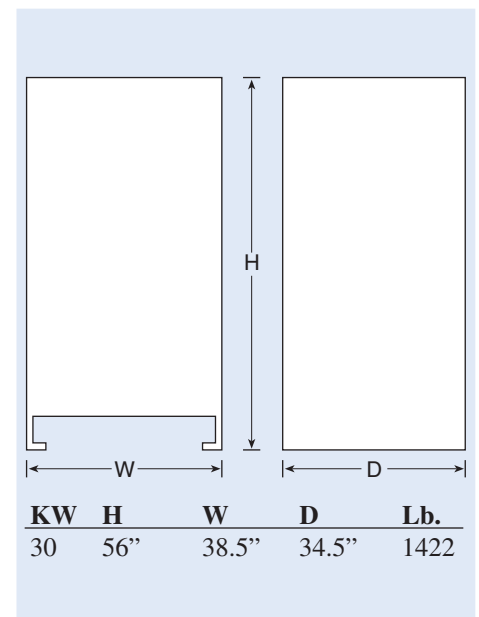
L-828 30KW Dry-Type Regulator

- Input circuit electronically isolated from output circuit.
- Withstands input overvoltage of 120% nominal for 50 milliseconds within one minute intervals.
- Resumes original brightness mode within 1 second of lost input power.
- Not activated by load switching or transients. Positive open-circuit or overcurrent protection automatically trips regulator off-line within 2 seconds, manually resets in less than 1 second.
- Easy access to remote/local control switch.
- No solid state components in series circuit.
- Extended warranties available.

Specifications

- Continuous indoor operation at a temperature range of -40°F to +131°F (-40°C to +55°C).
- Floor mounted, dry-type ventilated enclosure with power components isolated from control functions.
- Integral primary switch.
- Standard 120VAC internally supplied control power for local control.
- Remote control by internal or external sources.
- Direct read output ammeter.
- Output distribution class lightning arrestors.

Formerly
SOLA/Hevi-Duty



Visit our web site: www.flightlight.com



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

PH (916) 394-2800
 TF (800) 806-3548

FX (916) 394-2809
 EM info@flightlight.com

**30KW Constant Current
 Dry-Type Regulators
 Low, Medium and High Intensity
 FAA L-828**

Ordering Code

Qty.	KW Size	FAA #	Code:		Control Power	Type	Hertz	Accessory Codes	
			Volts/Steps/Amperes						
	30KW = 30	Std. Reg. = L828 Unit W/Monitor = L829	V/S/A	Code	48V Grounded DC Internal	3	Dry = D	60 Hertz = 6 50 Hertz = 5	Elapsed Time Meter* ETM Input Arrestors IA Output Volt Meter* OVM Input Volt Meter* IVM Input Amp Meter* IAM Extra Contacts** EC Outdoor Enclosure 3R Fixed One Step FOS Cold Circuit Selector Switch A
			208/3/6.6	Z	48V Ungrounded DC External	4			
			208/5/6.6	ZA	120VAC Int./Ext.	5			
			220/3/6.6	N	48V Grounded DC Int./Ext.	6			
			220/5/6.6	O	24V Grounded DC Internal	7			
			230/3/6.6	Q	24V Ungrounded DC External	8			
			230/5/6.6	R	24V Grounded DC Internal	9			
			240/3/6.6	A					
			240/5/6.6	C					
			277/3/6.6	BA					
			277/5/6.6	BB					
			380/3/6.6	T					
			380/5/6.6	U					
			415/3/6.6	W					
			415/5/6.6	X					
			480/3/6.6	H					
			480/5/6.6	I					

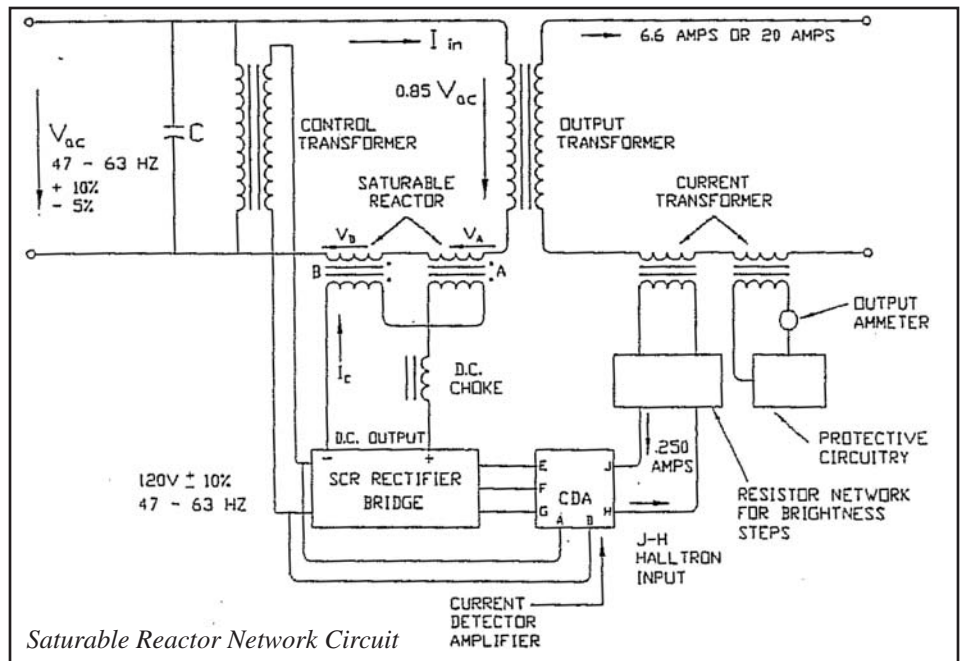
* All meters are analog only!
 ** Specify the contact's function (i.e., output current monitoring).

	30				D	
	30				D	

Saturable Reactor Network CCR

The saturable reactor CCR consists of two saturable reactors, main isolation transformer and control circuitry. The AC reactance of the input saturable reactors is automatically adjusted to regulate the load current. It is a magnetic based design.

**For technical
 information
 and renewal parts
 call 1-800-806-3548**



Saturable Reactor Network Circuit

Printed in the U.S.A.

Visit our web site: www.flightlight.com