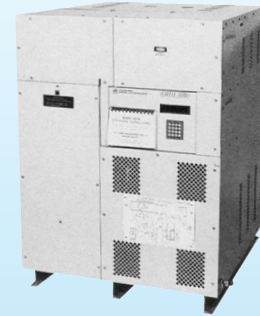


# REGD

## Constant Current Regulators-Dry



**REGD**


**Compliances:** FAA AC 150/5345-10: L-828 and L-829  
ICAO Aerodrome Design Manual, Part 5  
USN NAVAIR 51-50AAA-2

**Large/11-30kW Unit**

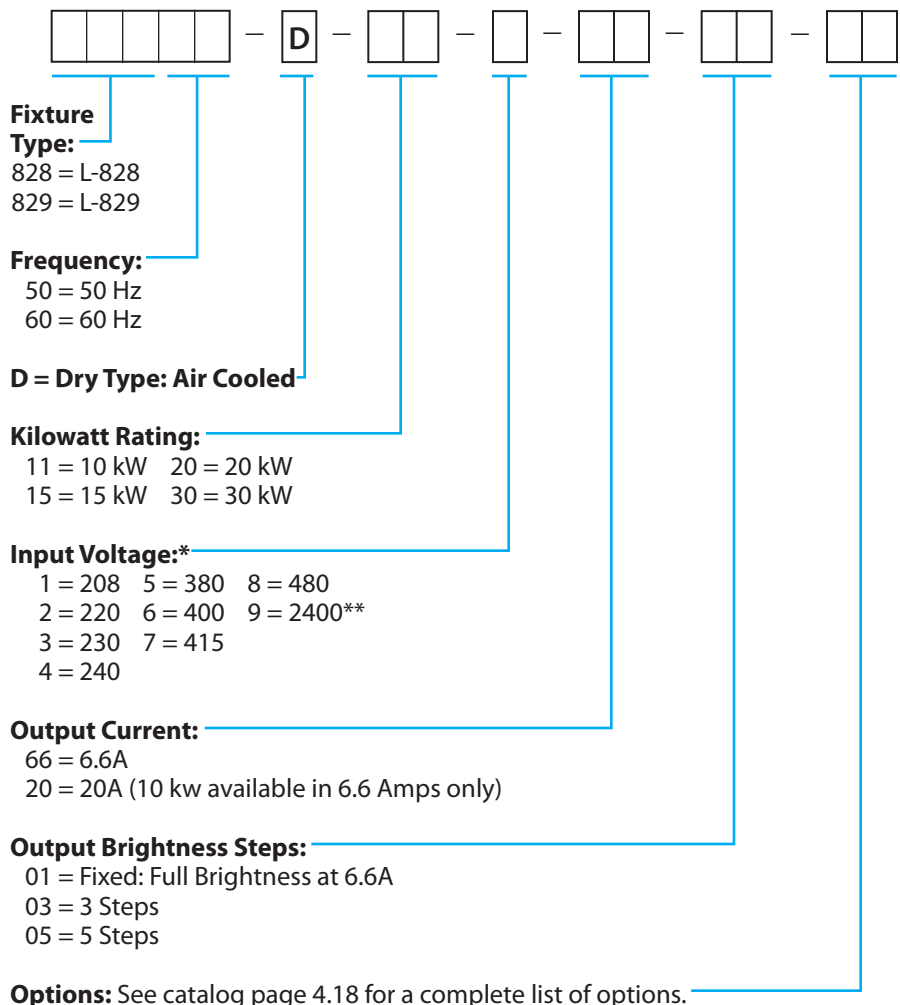
### Applications

The REGD Constant Current Regulator is designed to provide precision control of runway lighting circuits. The equipment can be supplied with a wide range of control and monitoring options. These regulators are air cooled and designed for indoor service.

### Features

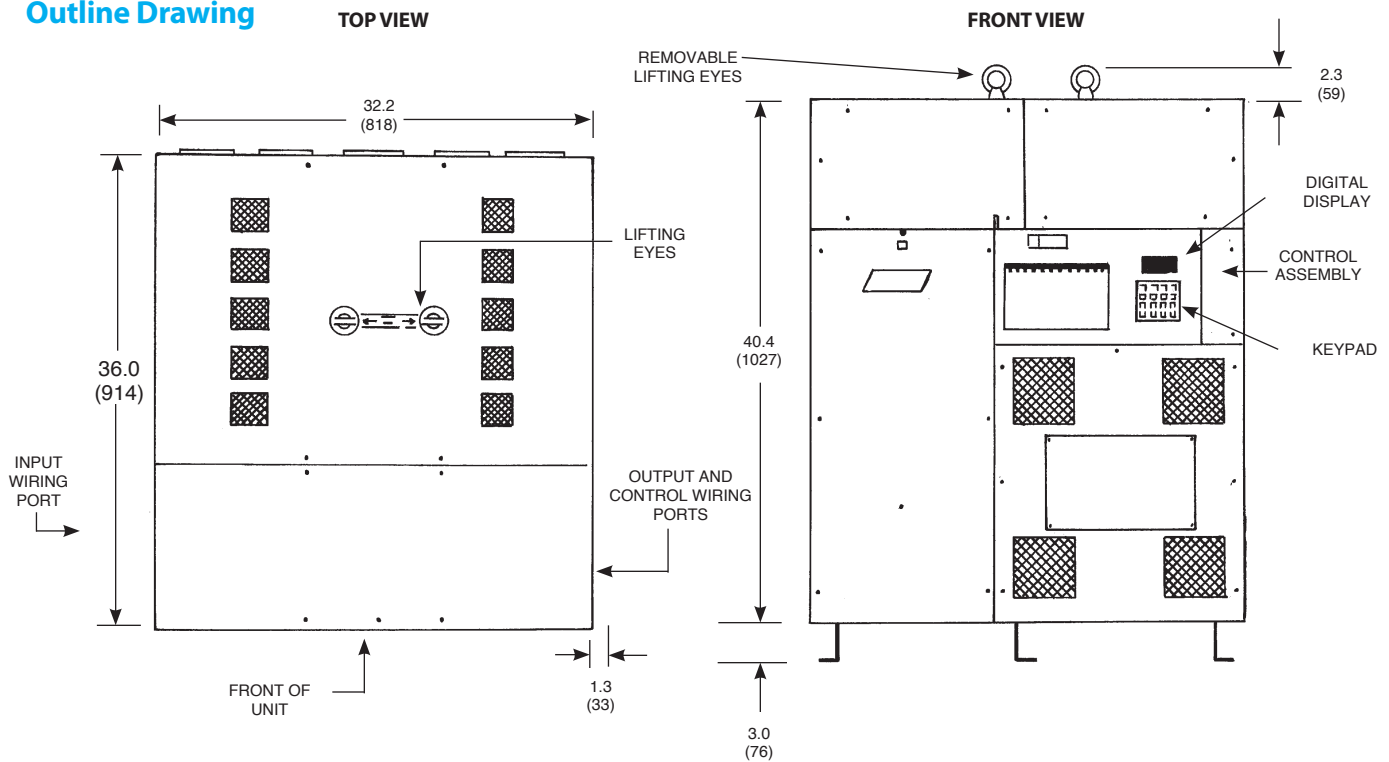
- ETL Certified 
- Air cooled
- Advanced Diagnostic Aids
- Shunt type ferro-resonant regulator
- Elapsed Time Indicator: each step and total
- Built-in digital ammeter (0.5% accuracy)
- Regulation  $\pm 1\%$  over 0 to 100% load and +10% to -5% line voltage with no tap changes
- On-off switching under load
- Lightning and transient protection: input and output lines
- Efficiency — 90% minimum
- High power factor
- Remote reset capability
- Output current maintained with 30% open isolation transformer secondaries
- Open circuit protection
- Over current protection
- Compatibility of Multiple Options
- Soft On/Off
- Integral L-829 Monitoring
- 10,000 feet remote control @ 120V
- Temperature  $-40^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$
- Plug-in printed circuit boards
- Circuit board compatibility with small dry CCR\*\*\*

### Ordering Information



\* Voltage Availability  
50 Hz only: 230, 380, 400, 415    60 Hz only: 480, 2400    50 or 60 Hz: 208, 220, 240  
\*\* Wye system is standard with one-pole breaker. For Delta System see Option 94.  
\*\*\* Field adjustments may be required.

## Outline Drawing



## Technical Data

Brightness Step	REGD Output		Percentage (%)		
	Current (Amps)		Light Output		
	3-Step	5-Step	3-Step	5-Step	
5	—	6.6	20.0	—	100
4	—	5.2	15.8	—	20
3	6.6	4.1	12.4	100	4.0
2	5.5	3.4	10.3	30	0.8
1	4.8	2.8	8.5	10	0.2

<b>Dimensions:</b>	inches (mm)			
<b>Instruction Manual:</b>	9540			
	<b>10 KW</b>	<b>15 KW</b>	<b>20 KW</b>	<b>30 KW</b>
<b>Shipping Weight:</b>	800 lbs. 363 kg.	880 lbs. 399 kg.	1015 lbs. 460 kg.	1170 lbs. 531 kg.
<b>Shipping Volume:</b>	84 cu.ft. 2.37 cu.m.			

Note: For 4, 7.5 and 10 kw series type REGD regulators, refer to catalog page 4-03.

## Renewal Parts

Part Number	Description
32323-"X"- "Y"	L-828 Control Assembly
32323-"X"- "Y"-61	L-829 Control Assembly

Insert 1, 3, or 5 in place of "X" for the number of brightness steps required.  
Insert 1 for 6, 6A or 2 for 20A in place of "Y" for the output current required.

10047-1005	Fuse, 1/8 Amp, Slo-Blo
10047-1205	Fuse, 1 Amp, Slo-Blo
31505-1	SCR/Heatsink Assembly, 10-20KW
31505-2	SCR/Heatsink Assembly, 30KW
10047-1141	Fuse, 2 Amp, Slo-Blo

