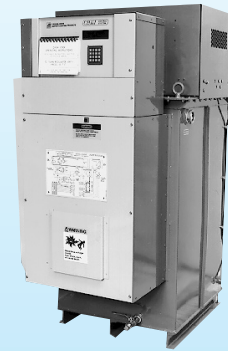


REGW

Constant Current Regulators-Wet

Compliances: FAA AC 150/5345-10: L-828 and L-829
ICAO Aerodrome Design Manual, Part 5
UFC 3-535-01
USN NAVAIR 51-50AAA-2




REGW

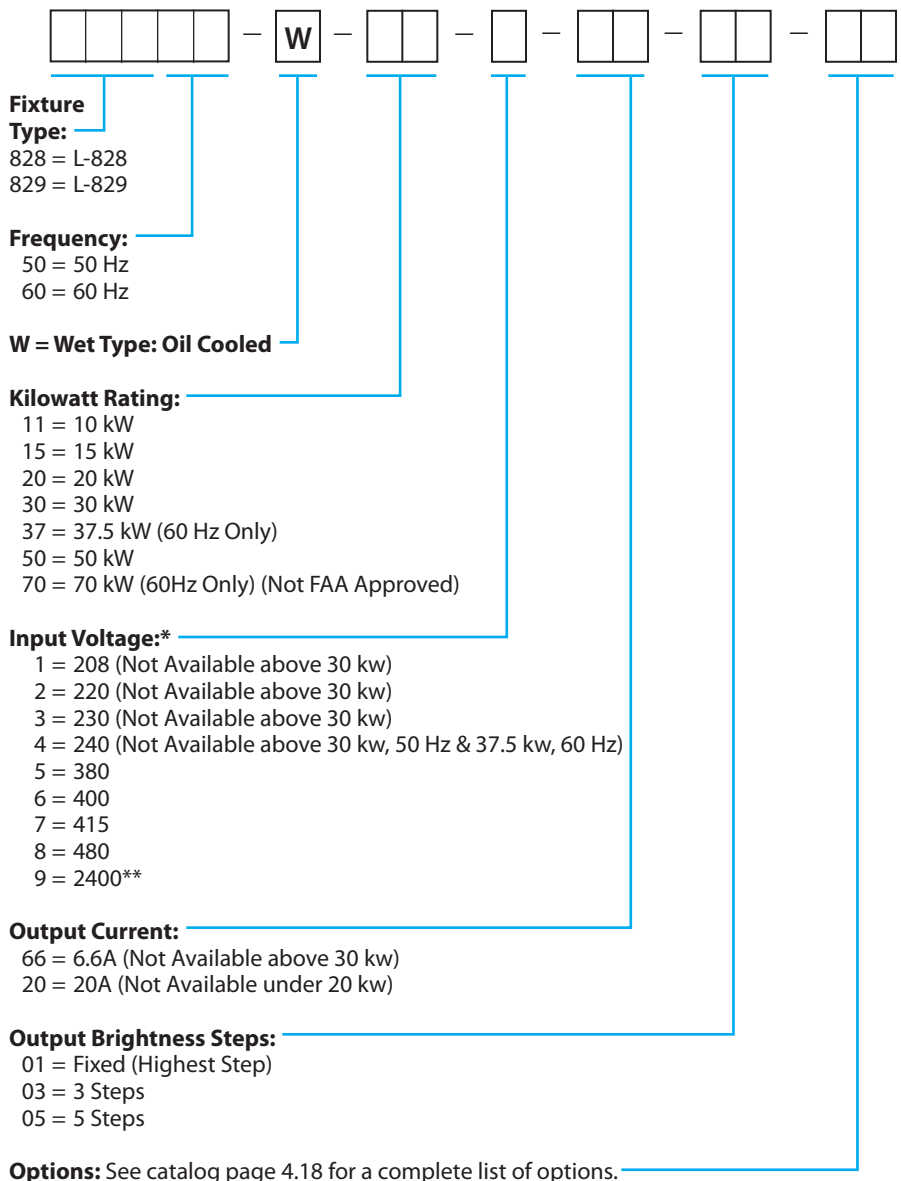
Applications

The REGW 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 oil cooled and designed for indoor service.

Features

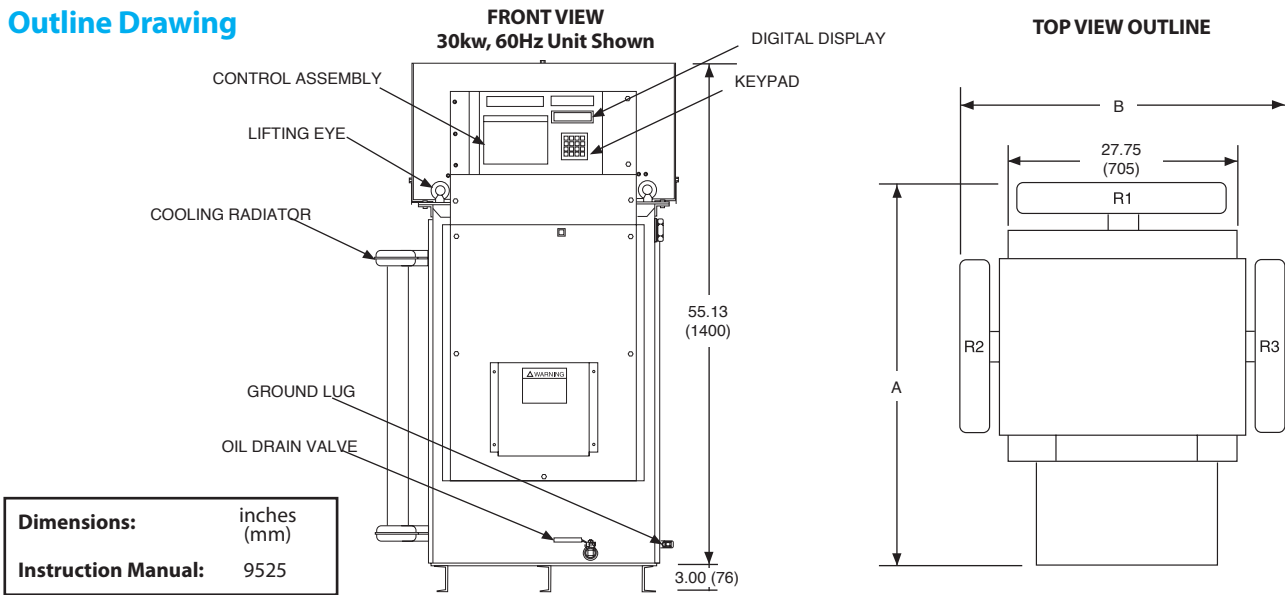
- ETL Certified 
- Oil cooled
- Advanced CH-III control system
- Shunt type ferro-resonant regulator
- Elapsed Time Indicator: each step and total
- Built-in digital ammeter (0.5% accuracy)
- Regulation $\pm 1\%$ over 0 to 100% load and +10% to -5% line voltage with no tap changes
- On-off switching under load
- Superior 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°C to $+55^{\circ}\text{C}$
- Plug-in printed circuit boards
- Separate High Voltage compartment

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 (See page 4.19).

Outline Drawing



Technical Data

Brightness	Current Output		Percentage (%)
	6.6A System	20A System	Light Output
Step			
5	6.6	20.0	100.0
4	5.2	15.8	20.0
3	4.1	12.4	4.0
2	3.4	10.3	0.8
1	2.8	8.5	0.2

KW	Shipping Weight		Shipping Volume	
	Lb.	Kg.	Cu.Ft.	Cu.M.
10	1575	715	103	2.92
15	1700	770	103	2.92
20	1825	830	103	2.92
30	2000	910	103	2.92
50	2600	1180	103	2.92
70	3000	1360	103	2.92

Dimensions—Inches(Millimeters)

KW	A	B	Radiators		
			R1	R2	R3
10	38.36 (974)	27.75 (705)	—	—	—
15	43.19 (1097)	27.75 (705)	Yes	—	—
20	43.19 (1097)	27.75 (705)	Yes	—	—
30 60Hz only	43.19 (1097)	31.63 (803)	Yes	Yes	—
50	43.19 (1097)	38.25 (972)	Yes	Yes	Yes
70	49.19 (1249)	38.25 (972)	Yes	Yes	Yes

Note: 30kw, 50Hz and 37.5kw, use data as shown for 50kw.

Renewal Parts

Part Number	Description
32323-"X"- "Y"	L-828 Control Assembly
32323-"X"- "Y"-61	L829 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, 30-70KW

