

# Remote Area Lighting System (RALS)

PD Systems offers access to the REMOTE AREA LIGHTING SYSTEM (RALS) for the military.

## Remote Area Lighting Systems (RALS)

The RALS is a self-contained, skid mounted, fully enclosed transportable area lighting system. The RALS takes a 3-phase, 120/208VAC input of from a standard 60-amp MS90555 connector to supply up to thirteen included lighting fixtures. The RALS has a fixture that attaches to main unit itself, and two separate loops for the remaining twelve fixtures. Each loop is comprised of two 375-foot cable assemblies, with six (6) 150-watt, high-pressure sodium, floodlight lighting fixtures per loop. The fixtures are extendable up to a 15-foot height and have anchor stakes for secure mounting. The RALS uses photocell light sensing for automatic day-night off-on operation with a manual override. The RALS conforms to NEC for outdoor use.



## Design and Construction

The RALS can be used in all military environments where area lighting is needed. The RALS set can be installed anywhere 3-phase, 120/208VAC is available. It can operate from -25°F to 120°F and meet all military requirements for humidity, sand, dust, salt spray, fungus, and altitude. The RALS has built-in forklift provisions for transporting.

## Global Parts Distribution and Support System



### RALS Enclosure Set

**Model:** PDSYS-RALS-09  
**Input Voltage:** 120/208  
**Input Phase(s):** 3-phase  
**Frequency:** 50/60Hz  
**Input Amps:** 60

### Lighting

**Style:** Floodlight  
**Wattage:** 150  
**Bulb Type:** High Pressure Sodium (HPS)  
**Lumens:** 16,000  
**Fixture Count:** 13  
**Fixture Height:** 15 feet

### Cable Loops

**Loop Length:** 375 feet  
**Loop Count:** 4  
**Fixture Interval:** 125 feet

### Dimensions

**Length (in):** 85.00  
**Width (in):** 48.00  
**Height (in):** 48.00  
**Weight (lbs):** 1,500  
**Ship Volume (ft<sup>3</sup>):** 112

### Operation

**Auto:** Photocell sensing



For more information on RALS, contact Mazen Badr, Vice President and General Manager

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