

# Revolving Lighthouse Pedestal

with lens assembly SL-RL400



SL-RL400, South Mole, Gibraltar

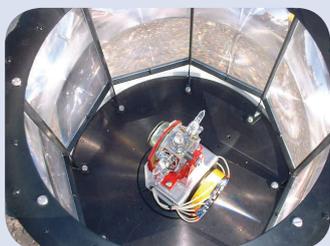


8 panel lens array

Infinitely adjustable speed potentiometers

## The Sealite Advantage

- Efficient & reliable gearless electromagnetic drive
- Available with or without weatherproof housing
- Flexible choice of light source & lens array to suit the application
- 8 panel lens array permits slower rotation to give long flash lengths
- 1/2 panel lens array permits more complex characters offering greater range



PA6 lampchanger & easy flasher inside 8 panel array

**The SL-RL400 is a revolving lighthouse lens assembly for medium to high range duties. This revolving pedestal has been designed to suit a number of beacon and lighthouse applications.**

The lighthouse pedestal can be supplied in three variations:

- Pedestal and tailored lens assembly for lighthouse solarisations to match existing characters
- Standalone beacon housing PBB or PRL pedestal in weatherproof housing
- Drive pedestal for conversion of existing Power Beam Beacons (PBB)

There are options for a single or dual gearless drive assembly each electrically isolated from the other.

Optional electrically isolated speed monitor board gives visual Over, Under and Runaway Speed LED indications plus revolution counter for independent telemetry monitoring and local viewing.

The halogen version has totally self-contained controls mounted within the pedestal removes the need for separate control panel and interconnecting cable unless requested by the customer.

The unit is specifically designed to accommodate PA6 series of lampchanger for halogen or PA2 for CDMT lamp duties.

The lighthouse pedestal can be supplied with 6 or 8 full panel or 16 half panel lens configuration.

### Optional Weatherproof Pedestal Housing

A revolving pedestal has been developed to house the SL-RL400 on those sites which do not have an existing lanternhouse.

The unique hexagonal base provides two access panels for the many gearless drive and remote monitoring variants available.

Combined weight of only 51.5kg removes the need for expensive support structures normally required for large lanternhouses.

The IP67 weatherproof enclosure has tamperproof fixings and 'no access' panels to deter unauthorised access. Robust, 10mm, UV-stabilised polycarbonate glazing offers exceptional strength.

The design allows easy top access for relamping duties and complete removal of the turntable and electrics for major servicing every 5 years.



SL-RL400 shown with 16 panel array in weatherproof housing

# Revolving Lighthouse Pedestal

with lens assembly SL-RL400

## SL-RL400 Light Intensity for Full & Half Panel Exhibition

Lamp Size	Intensity (Io Cds)	RPM	Period (sec)	Full Panel Intensity	Range (miles)	Flash (sec)	Period (sec)	Half Panel Intensity	Range (miles)	Flash (sec)
<b>Halogen Lamps</b>										
12v 10 Watt	96,000	0.5	15.0	32,000	16.1	0.20	7.50	16,000	15.3	0.40
12v 10 Watt	96,000	1.0	7.5	19,000	15.3	0.10	3.75	9,500	14.2	0.20
12v 20 Watt	230,000	0.5	15.0	77,000	19.1	0.20	7.50	38,500	17.4	0.40
12v 20 Watt	230,000	1.0	7.5	46,000	17.9	0.10	3.75	23,000	16.2	0.20
12v 50 Watt	350,000	0.5	15.0	117,000	20.1	0.23	7.50	58,500	18.4	0.46
12v 50 Watt	350,000	1.0	7.5	70,000	18.9	0.12	3.75	35,000	17.1	0.24
12v 75 Watt	364,000	0.5	15.0	166,000	21.0	0.30	7.50	83,000	19.3	0.60
12v 75 Watt	364,000	1.0	7.5	107,000	19.9	0.15	3.75	53,500	18.2	0.30
12v 75 Watt	364,000	1.5	5.0	79,000	19.2	0.10	2.50	39,500	17.5	0.20
12v 100Watt	488,000	0.5	15.0	222,000	21.7	0.30	7.50	111,000	20.0	0.60
12v 100Watt	488,000	1.0	7.5	144,000	20.6	0.15	3.75	72,000	19.9	0.30
12v 100Watt	488,000	1.5	5.0	105,000	19.9	0.10	2.50	52,500	18.2	0.20
<b>Metal Halide</b>										
35 Watt CDMT	462,000	0.5	15.0	231,000	21.8	0.50	7.50	115,500	20.1	1.00
35 Watt CDMT	462,000	1.0	7.5	154,000	20.9	0.25	3.75	77,000	19.1	0.50
35 Watt CDMT	462,000	1.5	5.0	116,000	20.1	0.17	2.50	58,000	18.4	0.34
35 Watt CDMT	462,000	2.0	3.75	92,000	19.5	0.13	1.87	46,000	17.9	0.26
70 Watt CDMT	750,000	0.5	15.0	404,000	23.3	0.53	7.50	202,000	21.5	1.06
70 Watt CDMT	750,000	1.0	7.5	276,000	22.3	0.27	3.75	138,000	20.5	0.54
70 Watt CDMT	750,000	1.5	5.0	210,000	21.6	0.18	2.50	105,000	19.9	0.36
70 Watt CDMT	750,000	2.0	3.75	169,000	21.0	0.13	1.87	84,500	19.3	0.26
150 Watt CDMT	1,100,000	0.5	15.0	688,000	24.6	0.67	7.50	344,000	22.9	1.34
150 Watt CDMT	1,100,000	1.0	7.5	500,000	23.9	0.33	3.75	250,000	22.0	0.66
150 Watt CDMT	1,100,000	1.5	5.0	393,000	23.2	0.22	2.50	196,500	21.4	0.44
150 Watt CDMT	1,100,000	2.0	3.75	324,000	22.7	0.17	1.87	162,000	20.9	0.34
150 Watt CDMT	1,100,000	3.0	2.5	239,000	21.9	0.11	1.25	119,500	20.1	0.22

1. All ranges are calculated with a transmission factor of T=0.74
2. Rotational speeds are infinitely adjustable between 0.5 and 10 RPM. The above speeds are given for ease of comparison.
3. Halogen lamps are mounted on the standard 6 place PA6 series lampchanger. Metal halide on PA2 lampchanger
4. Other lamps are available on request including pre-focus.
5. Group character beam configurations are possible with blanking screens and are detailed in specific proposals



SL-RL400 shown with 16 panel array in weatherproof housing

SPECIFICATIONS * *	SL-RL400	SL-RL400
	Pedestal only	Pedestal with Housing
<b>Physical Characteristics</b>		
Height (mm/inches)	542 / 21 <sup>3</sup> / <sub>8</sub>	560 / 22
Diameter (mm/inches)	405 / 16	550 / 21 <sup>5</sup> / <sub>8</sub>
Mass (kg/lbs)	Nett: 23.5 / 51.8	Nett: 51.5 / 113.5 Gross: ~70 / ~154
Mounting	3 x 12mm holes on 360 PCD with levelling adjustment bushes	3 x 14mm holes on 462 PCD



- Specifications subject to change or variation without notice
- \* Subject to standard terms and conditions