

AIDS TO NAVIGATION SCHEDULE AN490-01

BUGATTI REEF LIGHT - QLD

(Established 1/08/1990)

IALA AVAILABILITY CATEGORY: 1

POSITION: Latitude: 20° 06.3220' S
Longitude: 150° 17.3660' E
Datum: WGS84

CHARTS: AUS 821, 370

DAYMARK: Concrete column surmounted by white GRP hut 7 metres above MHWS.

CHARACTER: Flashing (2) in 8.0 secs
Flash: 1.0 sec
Short Eclipse: 1.5 sec
Long Eclipse: 4.5 sec

COLOUR OF LIGHT: White

RADAR REFLECTOR: AGA SR66

BEACON: ML-300

LIGHT SOURCE: Lamp: 12V, 35W, C8, Halogen LP P30s
Lampchanger: CR Control S-2086B 10 amp (6 position)
Flasher: CR Control 9010-03
Daylight Control Switch: API 9001-0317

POWER SOURCE: Solar Panels: 3 x Solarex MSX60
(inclined at 25° to horiz.)
Regulator: 3 x Solarex SR8
Diodes: Schottky 8A, 45 PRV;
80SQ045;
3 for solar panels
6 for battery modules.
Battery: 12 V, 480Ah (3 x 160Ah modules)
6 x Yuasa EN160-6, 6V, 160Ah

REMOTE MONITORING: Satellite – Immarsat D+
Parameters: Lantern Current (Day/Night)
Battery Voltage
GPS Position
Communications: DMR-200 Satellite Terminal
Processor: Fox LP3500
Terminal ID Number: 59469623
Carrier: Skywave Communications
Power Supply: Common to main light

STRUCTURE: Concrete column with splayed deck 7 metres from reef to deck surmounted by size 3 GRP hut.
Refer Drg QN2-14

INTENSITY: 2100 cd

ELEVATION: 9 metres

RANGE: Nominal: 10 nmiles

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Geographical: 10 nmiles