

Pyrocystis lunula (F.Schütt) F.Schütt

in A.Engler & K.Prantl, *Nat. Pflanzenfam.*, I. Teil., Abt. 1b: 4, fig. 2b–f (1896)

Gymnodinium lunula F.Schütt, *Ergebn. Plankton-Exped. Humboldt-Stiftung* 4: 11, 43, pl. 24, 25, fig. 80 (1895);

Dissodinium lunula (F.Schütt) Pascher, *Arch. Protistenk.* 36: 132 (1916)

Type locality: Atlantic Ocean

Pyrocystis obtusa Pavill., *Résult. Camp. Sci. Monaco* 82: 38 (1931)

Type locality: ?

Australian distribution: Gulf of Carpentaria/North-west Shelf, Qld (Moreton Bay) to N.S.W. (off Sydney) and Tas. (Maria Island), Vic. (Port Fairy), E Indian Ocean

Extra-Australian distribution: Brazil, South Atlantic Ocean, Gulf of Mexico, Canary Islands, North Atlantic Ocean, North Sea, Mediterranean Sea, Indian Ocean, Papua New Guinea, Pacific Ocean

Note: A strongly bioluminescent species

References: E.J.F.Wood, Dinoflagellates in the Australian region, *Austral. J. Mar. Freshw. Res.* 5: 171–351 (1954)

E.J.F.Wood, Dinoflagellates in the Australian region. III – Further collections, *Tech. Pap. Div. Fish. Oceanogr. CSIRO* 17: 1–20 (1963)

G.M.Hallegraeff & S.W.Jeffrey, Tropical phytoplankton species and pigments of continental shelf waters of north and north-west Australia, *Mar. Ecol. Prog. Ser.* 20: 59–74 (1984)

G.M.Hallegraeff & D.D.Reid, Phytoplankton species successions and their hydrological environment at a coastal station off Sydney, *Austral. J. Mar. Freshw. Res.* 37: 361–377 (1986)