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Marine artificial light at night: An empirical and technical guide

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Supplement S1. List exemplifying taxonomic occurrence and photosensory systems (non-exhaustive). Note that animals can have several photosensory systems. For additional examples see for instance Land and Nilsson (2012).

Phylum	Class	Photosensory system	Reference
Annelida	Polychaeta	Compound eyes	Bok et al. (2019); Nilsson (1994)
Arthropoda	Bivalvia (several species)	Several photoreceptor organs	See Audino et al. (2020) Additional File 2 for a list of morphology of photoreceptor organs
	Hexanauplia	Simple eyes	Manor et al. (2009)
	Malacostraca	Compound eyes	Baldwin Fergus et al. (2015); Cronin et al. (1994)
	Ostracoda	Compound eyes	Land and Nilsson (1990)
Chordata	Several	Compound eyes	Cronin and Jinks (2001); Cronin et al. (1995); Hariyama et al. (1986)
	Actinopterygii	Camera-type eyes	Karpestam et al. (2007)
	Agnatha	Camera-type eyes	Gustafsson et al. (2008)
	Ascidiacea	Simple eyes	Tsuda et al. (2003)
	Aves	Camera-type eyes	Cronin (2012)
	Chondrichthyes	Camera-type eyes	Gustafsson et al. (2012)
	Mammalia (Several species)	Camera-type eyes	Mass and Supin (2007); Pardue et al. (1993)
Cnidaria	Reptilia	Camera-type eyes	Brudenall et al. (2008)
	Cubozoa	Camera-type eyes	Nilsson et al. (2005)
	Hydrozoa	Simple eyes	O'Connor et al. (2010)
Echinodermata	Tentaculata	Photoreceptor cells & eye spots	Schnitzler et al. (2012)
	Asteroidea	Compound eyes	Garm and Nilsson (2014)

	Echinoidea	Photoreceptor cells & eye spots/ compound eye like	Yerramilli and Johnsen (2010)
Mollusca	Bivalvia	Compound eyes	Nilsson (1994)
	Cephalopoda	Camera-type eyes	Hanke and Kelber (2020)
	Cubozoa	Simple eyes	O'Connor et al. (2010)
	Gastropoda	Simple eyes	Seyer (1992)
Porifera	Demospongiae	Photoreceptor cells & eye spots	Rivera et al. (2012)

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