

Lichina Agardh.
(LICHINACEAE)

After Henssen, 1973, Fink, and others

Rev. 5/94

Thallus minutely fruticose, caespitose, \pm erect, dark olive-brown to black, gelatinous when wet; lobes small, cylindrical or flattened, with an indistinct, \pm gelatinous cortex of tangled hyphae; medulla of longitudinal hyphae; attached by an indistinct holdfast.

Apothecia immersed in the swollen tips of branches; disc \pm closed, round or irregular; narrow proper exciple enclosed in a thalline exciple; paraphyses branched and anastomosed (unbranched to rarely branched according to Rogers), thin, becoming septate, with capitate apices; asci cylindrical, unitunicate, thin walled, deliquescing, not thickened at the apex; outer coat 1+ blue; spores 8, ellipsoid to oblong-ellipsoid, simple, hyaline, thin walled.

Pycnidia immersed in thallus close to the apothecia, with single ostiole or chambered; fulcrum exobasidial; pycnospores round or cylindrical-bacilliform. No substances. Photobiont Calothrix or Dichothrix. On rocks, either marine (at or below high tide mark) or terrestrial.

1. Cortex \pm well developed. Lobes usually to 0.3 mm thick. Thallus 2-3(-5) mm high; lobes erect, tapering, densely clustered and interwoven, richly dichotomously branched, terete, forming small compact tufts 5-10 mm diam., sometimes coalescing to form swards; surface matt, olive-brown to black. Apothecia to 0.5 mm diam.; spores 12-18 x 10-15 μ m. On seashore rocks at about high tide line, particularly on sunny, sheltered shores, small estuaries and creeks, becoming restricted to shade and crevices on exposed shores where it may occur well above high tide mark. Northeastern. L. confinis (Müller) C. Agardh

1. Cortex poorly defined or absent. Lobes 0.1-0.15 mm thick. Thallus 1-3 mm high. Lobes cylindrical. Algal filaments partly protruding. On maritime rocks, Northeastern. L. willeyi (Tuck.) Henssen

Literature

Fink, B. 1935. Lichen Flora of the United States.

Henssen, A. 1973. **I have reprint** [Need more info. form her on L. willeyi]

Purvis, O. W. and A. Fletcher. 1992. Lichina. In: Purvis, et al., Lichen Flora of Great Britain and Ireland.

Rogers, 19 . Genera of Australian Lichens.