

Table 1. Morphological characters of flightless Luciolinae females (expanded from Ballantyne & Lambkin 2009 Table 6, 130, 132–136).

- A. 1 = colour pattern like that of male; 2 = colour pattern differs to that of male.
 B. 1 = elytra covering all but two segments of the abdomen; 2 = elytra covering all but 4–5 segments of the abdomen; 3 = elytra very short and almost all of the abdomen exposed.
 C. 1 = elytra with apical ridge; 2 = elytra without apical ridge.
 D. 1 = elytra with visible interstitial lines; 2 = elytra without visible interstitial lines.
 E. 1 = elytra contiguous for most of their length; 2 = elytra divergent along sutural margins in apical ½ to 1/5; 3 = elytra not contiguous
 F. 1 = hind wings longer than half fore wing length; 2 = hind wings shorter than half elytral length; 3 = hind wings vestigial or absent.
 G. 1 = female can probably flit; 2 = female cannot fly.
 G. 1 = width of anterior margin of MS = posterior width across combined MN plates; 2 = width of anterior margin of MS less than width across combined MN plates.
 H. 1 = pronotal outline like that of male; 2 = modified
 I. 1 = Eleven antennomeres; 2 = less than 11 antennomeres
 J. 1 = all antennomeres longer than wide; at least some antennomeres where L=W; 3 = at least some antennomeres where L<W.
 K. 1 = mandibles well defined; 2 = mandible reduced;
 L. 1 = minor physogastry; 2 = major physogastry.
 M. 1 = apical maxillary palpomere well defined; 2 = apical maxillary palpomere reduced.
 N. Estimated capacity to feed: 1 = yes; 2 = no.

Species	A	B	C	D	E	F	G	H	I
<i>A. flammans</i>	2	1	1	1	1	1	1	1	1
<i>A. lychnus</i>	1	1	1	1	1	1	1	1	1
<i>A. olivieri</i>	1	1	1	1	1	1	1	1	1
<i>A. palauensis</i>	1	1	1	2	1	1	?	1	1
<i>A. testaceolineata</i>	1	1	?	1	?	3	2	1	1
<i>Atyphella atra</i>	2	1	1	1	1	3	2	1	1
<i>Emeia pseudosauteri</i>	1	2	1	2	2	1	2	1	1
<i>L. hypocrita</i>	1	2	1	1	1	1	2	1	1
<i>L. nicollieri</i>	1	2	1	1	1	1	2	1	1
<i>L. parvula</i>	1	1	1	1	1	2	2	1	1
<i>A. conspicua</i>	2	3	1	1	1	3	2	1	2
<i>A. inconspicua</i>	2	3	2	2	3	3	2	1	2
<i>A. lewisi</i>	2	3	2	2	2	3	2	2	2
<i>A. scintillans</i>	2	3	1	1	1	3	2	1	1
<i>A. similis</i>	2	3	1	1	2	3	2	1	1
<i>Luciola filiformis</i>	2	3	2	2	3	3	2	1	2

Species	J	K	L	M	N	O
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<i>A. lychnus</i>	1	1	1	1	1	1
<i>A. flammans</i>	1	2	1	1	2	?
<i>A. olivieri</i>	1	1	1	1	1	1
<i>A. palauensis</i>	1	1	1	1	1	1
<i>A. testaceolineata</i> ²	1	?	?	1	?	?
<i>Atyphella atra</i>	1	1	?	1	2	?
<i>Emeia pseudosauteri</i>	1	1	1	1	1	1
<i>L. hypocrita</i>	?	?	1	1	?	1
<i>L. nicollieri</i>	1	1	1	1	1	1
<i>L. parvula</i>	1	1	1	1	1	1
<i>A. conspicua</i>	1	2	2	2	2	2
<i>A. inconspicua</i>	2	2	1	2	2	?
<i>A. lewisi</i>	1	?	?	2	?	?
<i>A. scintillans</i>	2	2	2	2	2	2
<i>A. similis</i>	1	2	2	2	2	2
<i>Luciola filiformis</i>	1	2	3	2	2	2