Electronic Supplementary Information (ESI)

Arene effects on difluoroboron β-diketonate mechanochromic luminescence

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Fig. S1 Normalized solid-state emission spectra of 1-4 powders on quartz before (A) and after thermal annealing (B). 1-3: λ_{ex}=369 nm; 4: λ_{ex}=397 nm.

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Fig. S2 Normalized emission spectra for crystals of BF$_2$mbm and BF$_3$dbm on quartz before (C) and after thermally annealing (TA), and ~1 minute after smearing (1 m) ($\lambda_{ex}=369$ nm).
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![Graph A](image)

![Graph B](image)
**Table S1.** Melting points obtained by a melting point apparatus.

<table>
<thead>
<tr>
<th>Compound</th>
<th>Melting Point (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BF$_2$bdm (1)</td>
<td>144-146</td>
</tr>
<tr>
<td>BF$_2$dbm (2)</td>
<td>178-180</td>
</tr>
<tr>
<td>BF$_2$abm (3)</td>
<td>216-219</td>
</tr>
<tr>
<td>BF$_2$abm (4)</td>
<td>234-236</td>
</tr>
</tbody>
</table>