I'll eventually post an explanation, but in the meantime, here it is:

- 74AC86-based solar head; lights a high-intensity LED when locked on a bright light.
- Very power-efficient solarized head
- Not as efficient as the Solar Power Smart Head, but uses fewer components; occupies part of one page (Ian’s circuit collection). I haven’t built a head based on this circuit, but have been told that the photodiodes in Ian’s diagram are shown incorrectly in parallel, and instead should be wired in series (a la ----|>|---|<|-----).

Meanwhile, a slightly refined version (with flashing LEDs to indicate "lock") was posted a few weeks later:

Source: http://www.solarbotics.net/library/circuits/bot_head_scheid.html