

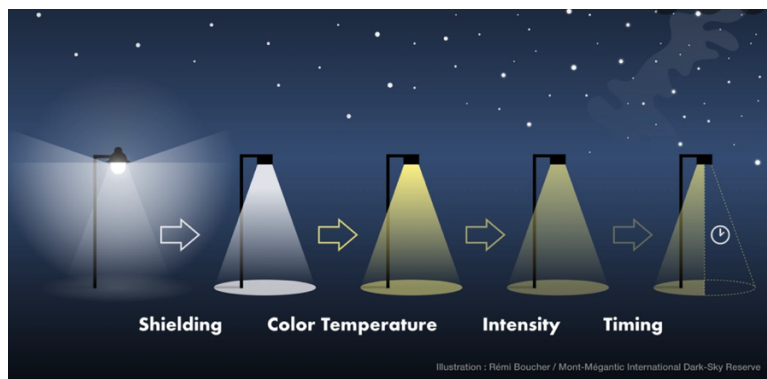


CHECKLIST DARK-SKY COMPLIANT STREETLIGHTS

- Correlated Color Temperature (CCT):** 2200K if possible and no greater than 2700K
- Backlight:** Backlight rating of no greater than 1 (using the BUG rating system)
- Uplight:** Uplight rating of 0 (using the BUG rating system)
- Glare:** Glare rating of no greater than 1 (using the BUG rating system)
- Brightness:** The intensity of the light where it strikes the ground – what’s known as “illuminance,” and measured in units called foot candles or lux – should be the minimum value recommended by the Illuminating Engineering Society (IES) for the location in question or not exceed that value by more than 20%.
- Add-on Shields:** "House-side" and cul-de-sac shielding for cobra head lights, where necessary to eliminate light trespass
- Adaptive Control Integration:** "Smart" controllers to enable dimming schedules and turning off lights when they are not needed
- “Blue Cutoff” Filters:** In neighborhoods near an astronomical observatory, a fixture with an integrated filter to eliminate the emission of all blue-violet light should be considered.

Before choosing an LED streetlight fixture, a public product demonstration with at least four luminaire options (including at least one 2200K option and at least one fixture with the recommended BUG rating) and polling of the community to assess its preferences is highly recommended to ensure community satisfaction.

Where new installation or lighting retrofit projects are under consideration, an assessment should be undertaken to determine whether the lighting in question is even necessary.



Fundamentals of Dark Sky Friendly Streetlighting