

Light Fixture and Locations

As part of the design process, three decorative fixture options were presented at the neighborhood outreach meeting, and Bern was selected.



Mesa



Granville



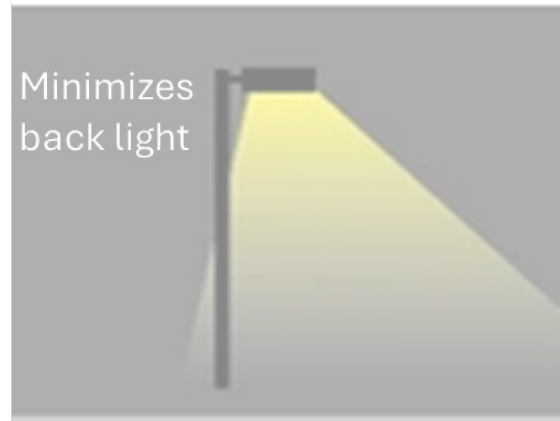
Bern

Bern consists of a 16-foot decorative black metal pole with an LED fixture. The system is designed to provide an average illumination intensity between 0.4 and 0.7 footcandles across the neighborhood.

For comparison, typical light levels are approximately:

- 40 footcandles in a classroom setting,
- 1,000 footcandles in full sunlight,
- 100 footcandles on an overcast day,
- 1 footcandle at twilight,
- 0.1 footcandle under a full moon

The fixture has an Asymmetric Type IV light distribution, so the light beam is angled toward the street, minimizing backlight.



Locations

The proposed design layout includes the placement of 555 Bern light fixtures throughout Melrose Park. The average spacing between fixtures is approximately 145 feet, which equates to placement at about every other property.

