

Aiming & Installation Notes (Sample)

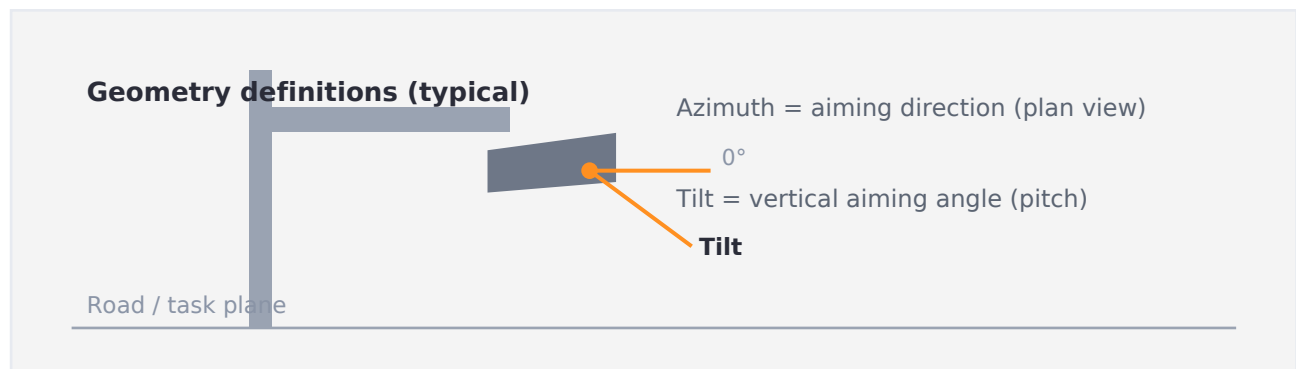
Format preview for layouts that require aiming/tilt. Replace the example values with project-specific outputs.

1. When This Note Applies

- Floodlighting / high-mast / wide-area layouts where aiming affects lux, uniformity, or glare.
- Asymmetric optics or non-zero tilt needed due to spacing, setback, or mounting constraints.

2. Inputs Required

- Targets: maintained illuminance (lux), uniformity, and any glare/ULR limits if specified.
- Geometry + photometry: mounting height, spacing, arrangement, and the exact IES/LDT file name (optic code).



Angle convention: Definitions must match the DIALux/Relux report and site execution. If a project uses a different sign convention, state it explicitly.

3. Aiming Table (Example)

ID	Mount H (m)	Tilt (deg)	Az (deg)	Optic / IES File
L1	10.0	0	90	Road-Optic-A / SL-RD-120W.ies
L2	10.0	3	90	Road-Optic-A / SL-RD-120W.ies
L3	10.0	3	270	Road-Optic-A / SL-RD-120W.ies
L4	10.0	0	270	Road-Optic-A / SL-RD-120W.ies

Tip: Keep the same luminaire ID mapping across drawings, BOQ, and DIALux/Relux reports to avoid site confusion.



4. Installation Notes (Typical)

- Bracket/arm orientation: confirm reference direction (road centerline / north arrow) before tightening.
- Fasteners & torque: tighten to bracket supplier torque range; re-check after initial energization cycle.
- Cable entry & sealing: use rated gland, keep a drip loop, and ensure strain relief to protect connectors.
- Grounding & bonding: connect protective earth and bonding straps (if specified) for continuity to the pole.
- Surge protection: install SPD per strategy (luminaire / pole base / cabinet). Keep earth lead as short as possible.

5. Field Aiming Procedure (Quick)

- Label each pole and luminaire ID on-site to match the aiming table.
- Set azimuth first (plan direction), then set tilt (vertical angle).
- Use a digital inclinometer for tilt; record measured values in the site log.
- Lock fasteners and verify final orientation from ground reference.

6. Site Acceptance Checklist (Example)

Check Item	Pass / Notes
Luminaire IDs match drawings and aiming table	
Azimuth and tilt set within tolerance (e.g., +/- 1 deg)	
Cable glands sealed, drip loop present, strain relief installed	
Protective earth connected; bonding continuity verified (if specified)	
SPD installed per strategy; earth lead length minimized	
Night-time spot check (sample poles): lux/uniformity trend acceptable	

Contact: Share a layout (CAD / sketch / Google pin) and target lux/uniformity. We will return a project-specific aiming table, notes, and a matching photometry file list.