

HST — User Manual

Pole-Mounted LED Street Luminaire • Installation, operation & maintenance

1. Product description

HST is a pole-mounted LED street luminaire for direct illumination of public spaces, parking areas and streets. It combines precision lenses and a tempered glass diffuser with an aluminium housing finished in light grey RAL 7035.

2. Optical and mechanical construction

The optical system uses precision lenses with a tempered glass diffuser and is specified as impact resistant. The housing is aluminium. The luminaire is designed for outdoor operation.

3. Mounting

HST mounts on Ø60mm horizontal or vertical poles using two screws. It can also be wall mounted with an optional bracket. The installation angle can be adjusted by $\pm 15^\circ$ to achieve the required light aiming.

4. Electrical characteristics

The official product information lists a 220–240V mains supply, 0/50/60Hz / 50–60Hz, Protection Class I and an LED lifetime of H: 100000/L90B10.

5. Environmental protection

HST is specified for outdoor environments with IP66 ingress protection and IK09 impact resistance. Use the luminaire within the applicable environmental and electrical limits for the selected installation.

6. Product variants

The HST range includes multiple order-code variants from 18W through 78W. Delivered lumens and efficacy vary by order code. Select the exact variant from the project lighting calculation and manufacturer order-code table.

7. Maintenance

Keep the tempered glass diffuser and optical area clean. Inspect mounting screws, bracket/pole interface and electrical connections as part of the site's scheduled maintenance. Replace or service components only in accordance with the applicable manufacturer instructions.

8. Troubleshooting

No light: isolate the supply and verify the electrical connection, supply voltage and selected product variant.

Incorrect aiming: re-check the $\pm 15^\circ$ mounting adjustment and mounting orientation.

Reduced output: inspect the diffuser and optical area for dirt or obstruction.

Loose fitting: inspect the Ø60mm pole/bracket connection and mounting screws.

9. Safety

Installation and electrical work should be performed by qualified personnel. Isolate the electrical supply before servicing. Follow applicable local electrical, lighting and work-at-height requirements.

Source note

Source basis: Wirefield's official HST product page. The official page identifies HST as a pole-mounted LED street luminaire for public space, parking area and street applications, with direct light distribution, aluminium housing, RAL 7035 light grey finish, IP66, IK09, Protection Class I, 220–240V supply, precision lenses with tempered glass diffuser, and LED lifetime H: 100000/L90B10. It also lists order-code variants, wattage, delivered lumens, efficacy and dimensions.