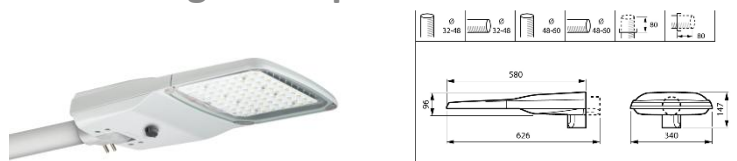


UniStreet gen2 – specification text



PRODUCT DESCRIPTION

LED luminaire family for street and road lighting, large version. Lumen output from 4.500lm up to 31.000lm. A software tool to customize flux, optimize light level, minimize power consumption, is available. For optimal heat management, driver and led module are in separate compartments.

MECHANICAL CHARACTERISTICS

- Frame and cover in 85% recycled die cast aluminum alloy, EN AC 44300, no more than 1% of copper content to avoid corrosion. No screw from top to avoid corrosion or water leak. The body is without ribs or fins to reduce dirt accumulation and ease cleaning cycle during life.
- Optical cover in tempered flat glass. Option for Extra Clear or Anti Reflective glass for even higher LOR. Impact protection up to IK10. Ingress of water protection up to IP69. Removable LED module and optics by using a single tool.
- Spigot for Post top or side entry mounting in die cast aluminum alloy. Three sizes, Ø32÷Ø48mm, Ø48-60 and Ø76mm. Spigot reducer Insert(s) available as option. Anti-corrosion coated steel mast bolts. Spigot / tilt regulation
Post top tilt: 0°, +5°, +10°, +15° - Side entry: 0°, -5°, -10°, -15°, -20° (in 5° steps).
- Operating temperature ranges from -40°C to +50°C (with some limitation in max flux at extreme conditions).
- Closure of the cover by two anti-corrosion coated steel screws.
- Standard color: GR-RAL7035. Powder paint. Painting based on salt spray test, 500hrs standard or 1000hrs (MSP) for coastal areas and more aggressive environments. Other colors RAL or AKZO colors upon request.
- Optional gear plate for easy driver or SPD exchange and use of knife connector.
- Luminaire assembly without glue for easy disassembly and recycling at end of life.

ELECTRICAL CHARACTERISTICS, TESTS AND STANDARDS

- Standard surge protection 6/8kV on luminaire level. Added surge protector option to 10 or 20kV.
- The LED board must be equipped with temperature protection controller to protect light source and driver in extreme conditions.
- Fully CE, ENEC, ENEC+ certified. RoHs and REACH compliant. 5 years warranty.

DIMMING OPTIONS:

- Stand-alone dimming by external Dali, internal DynaDimmer, LineSwitch or Coded mains protocol.
- Connected dimming by Interact City, Cellular node, RF Antenna, DiiA Dali 2.0, Z4i and use of Zhaga Connectors (top, bottom, top & bottom) or Nema Socket 5 PIN or Nema Socket 7 PIN (SR Ready).

AVAILABLE OPTICS AND LED SOURCE CHARACTERISTIC

Engine options, based on High Power LED (Ledgine O) or 5050 chip based (Ledgine P) with optics to optimize per application. (>50 optics). Performance up to 200lm/W (system).

- Internal backlight louver (BL1, BL2 and BL3 for High power, PL1 and PL2 for 5050). Optional External Louvers.
- LED light source CCT/CRI: 740, 730, 757, 727, 722, 718, or 830, SDCM≤5. Environmental/nature friendly light recipe CCT/CRI 518, 420 or 610 must be available.

SERVICEABILITY

The luminaire is equipped with a digitally enabled unique identifier (QR code), visible on the outside of the luminaire, as well as on the box of the luminaire, and delivered with additional labels to be installed inside the door of the mast. The ServiceTag app shall be able to access the info online as well as in the driver when it is in de-energized state via contactless interface. (Ex: Via NFC reader)