

SABS

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SABS – Streetlighting luminaires



Tshepang Pheelwane
Lighting Technology Testing Laboratory

December 2022

Streetlights

SANS 60598-2-3

- Road luminaires
- Street lighting
- Public outdoor lighting
- Tunnel lighting
- Column-integrated luminaire with minimum height of 2,5 m



Safety :Streetlights

SANS 60598-2-3

Scope

- Classification
- Markings
- Construction
- Creepage distance and clearances
- Provision for earthing
- Terminals
- Wiring
- Protection against electric shock
- Endurance and thermal tests
- Dust and moisture
- Insulation resistance and electric strength
- Resistance to heat, fire and tracking



Performance: Streetlights

SANS 475

Scope

- Safety testing to SANS 60598-2-3
- Terminal blocks
- Provision for earthing
- Electrical requirement
- Operating temperatures (Min – 35 degrees Celsius)
- Photometry (Exclusion)
- Mechanical strength
- Resistance to corrosion
- Dust and moisture (Min – IP65)



LUMINAIRES (VC8055)

- Luminaires- Safety testing: Accredited to the latest version of SANS (IEC) 60598-1:2021 and Part 2 standards
- Luminaires - Performance testing: Accredited to SANS 475:2016 excluding Photometry
**Lab to update schedule to SANS 475:2022 after completion of gap analysis.*

LAMPS (VC9091)

- CFL – Safety testing: SANS 60968:2016
- CFL – Performance testing: SANS 60969:2010

Lighting Technology lab equipment procurement update

- Purpose of funding from SANEDI is to purchase Goniometer to close gaps in performance testing. Currently the lab is to re-public tender due to non-complying suppliers. Estimated closing date for the tender is not later than 21 December 2022.

Thank You.
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