

SPECIAL ISSUE

Kenya Gazette Supplement No. 18

11th December, 2025

(Nairobi City County Legislative Supplement No. 8)

Legal Notice No. 8

THE NAIROBI CITY COUNTY TRANSPORT ACT

(No. 3 of 2020)

THE NAIROBI CITY COUNTY TRANSPORT (STREET AND PUBLIC LIGHTING)
REGULATIONS, 2025

ARRANGEMENT OF REGULATIONS

Regulation

PART I—PRELIMINARY

- 1—Citation.
- 2—Interpretation.
- 3—Object and Purpose.
- 4—Application of the Regulation.

PART II—OPERATIONAL STANDARDS

- 5—Lighting Levels.
- 6—Installation of Street Lights.
- 7—Optical Configuration.
- 8—Specifications.
- 9—Partnership with Government Agencies.
- 10—Public Private Partnership Programs.
- 11—Installation of Street Lights by Private Developers.

PART III—ENFORCEMENT AND COMPLIANCE

- 12—Inspection of works.
- 13—Damage of Streetlight Infrastructure.
- 14—Frontage of Commercial Buildings.
- 15—Vandalism of Streetlighting Infrastructure.

PART IV—MISCELLANEOUS

- 16—Offence and Penalty.

FIRST SCHEDULE

SECOND SCHEDULE

THE NAIROBI CITY COUNTY TRANSPORT ACT

(No. 3 of 2020)

IN EXERCISE of the powers conferred by section 68 of the Nairobi City County Transport Act, 2020, the County Executive Committee member for Roads, Transport and Public Works makes the following Regulations—

THE NAIROBI CITY COUNTY TRANSPORT (STREET AND PUBLIC LIGHTING) REGULATIONS, 2025

PART I—PRELIMINARY

Citation

1. These regulations may be cited as the Nairobi City County Transport (Street and Public Lighting) Regulations.

Interpretation

2. In these Regulations, unless the context otherwise requires—

“Act” means the Nairobi City County Transport Act, 2020;

“cat eyes” means reflective materials placed on the centre line of a road, enabling road users to discern the centre of the road by the reflection of vehicle headlights;

“Central Business District” has the same meaning assigned to it in the Act;

“Chief Officer” means chief officer for the time being responsible for Public works;

“Code of Practice” means British standard code of practice for Road Lighting (BS5489) and its Related Kenya Bureau of Standards code of practice KS 1452);

“Committee Member” means County Executive Committee Member for the time being responsible for roads, transport and public works;

“County” means the Nairobi City County Government;

“Director” means the Director for the time being responsible for Energy & Lighting in the County;

“directorate” means the County Government directorate responsible for energy and lighting;

“footway” has the meaning assigned to it in the Act;

“public road” has the meaning assigned to it in the Act;

“road” has the meaning assigned to it in the Act; and

“road agency” means any public agency, other than the County, that is responsible for the management, construction, maintenance, or control of roads within Nairobi City County.

Object and Purpose

3. The objects and purpose of these Regulations are to—

(a) give effect to section 60 of the Act;

- (c) operation and maintenance obligations; and
- (d) hand over provisions.

(4) All approved Public–Private Partnership Street lighting projects shall be subject to periodic performance audits by the County.

Installation of Streetlights by Private Developers

11. (1) The Chief Officer shall ensure that any subdivision plan exceeding ten acres, or any development extending more than five hundred metres, provides for the installation of street or public lights by the developer.

(2) Street and public lights installed under paragraph (1) shall conform to the requirements prescribed in these Regulations, applicable codes of practice, the Kenya Bureau of Standards (KEBS) specifications and any other applicable law.

(3) A developer shall hand over the installed street or public lights to the County for adoption after the lights have demonstrated effective performance for a period of at least twelve (12) months.

(4) No developer shall install street or public lighting on any road unless a lighting plan has been submitted to the Chief Officer for approval and is accompanied by the prescribed fee.

(5) The Committee Member shall consider and determine any request by a private entity for the County to assume responsibility for an existing or planned street or public light.

PART III—ENFORCEMENT AND COMPLIANCE

Inspection of Works

12. (1) No approved works shall commence unless they are undertaken under the supervision of an authorized officer from the Directorate and upon payment of the prescribed fee.

(2) The inspecting officer shall ensure that all installations comply with the technical standards adopted by the County.

Damage of Street Light Infrastructure

13. A motor vehicle owner or any other road user who damages street-lighting infrastructure shall be liable for the full cost of its repair or replacement at the rate determined by the Committee Member.

Frontage of Commercial Buildings

14. (1) Any commercial building with a frontage on a public road shall install security lighting in accordance with the guidelines issued by the Directorate to ensure compliance with the required technical specifications.

(2) Approval for any new commercial development fronting a public road shall include provisions for public lighting and shall comply with the guidelines issued from time to time by the Directorate.

Vandalism of Street Lighting Infrastructure

15. (1) The Committee Member shall collaborate with security agencies and the community to implement surveillance measures, rapid-response mechanisms, and community reporting systems for the protection of street-lighting installations.

(2) Any person who vandalises, steals, or wilfully damages street-lighting infrastructure commits an offence and shall be liable upon conviction to a fine not exceeding Kenya Shillings Two Hundred Thousand (KSh. 200,000), or to imprisonment for a term not exceeding six (6) months, or to both.

PART IV—MISCELLANEOUS*Offence and Penalty*

16. (1) A person who contravenes any provision of these Regulations for which no specific penalty is provided shall be liable, upon conviction, to a fine not exceeding two hundred thousand shillings (200,000) or to imprisonment for a term not exceeding three months, or to both.

- (b) develop standards for the design, installation, operation, and maintenance of street and public lighting within the County;
- (c) enhance traffic and pedestrian safety along public roads and pathways;
- (d) reduce motor vehicle and pedestrian accidents by illuminating hazards and improving visibility during low-light conditions;
- (e) secure and enhance safety on County-owned properties, public spaces, and community facilities; and
- (f) promote energy-efficient and climate-responsive technologies, including Light Emitting Diodes (LEDs), solar-powered systems, and smart-control solutions, to advance environmental sustainability and operational efficiency.

Application of the Regulation

4. These Regulations shall apply to all street and public lighting installed within the boundaries of Nairobi City County.

PART II—OPERATIONAL STANDARDS

Lighting Levels

5. The Director shall determine the wattage of street and public lights to be installed within the County and shall make recommendations to the Chief Officer, taking into account—

- (a) the volume of traffic;
- (b) the volume of pedestrians;
- (c) safety considerations; and
- (d) security considerations.

Installation of street and Public Lights

6. (1) The Committee Member shall determine the need for the installation of street and public lights on county roads.

(2) The County may install and assume financial responsibility for streetlights in the following instances—

- (a) at intersections of public ways;
- (b) at dangerous curves or other serious road hazards where increased illumination would reduce potential traffic accidents; and
- (c) in areas with high volumes of pedestrian traffic during dusk or night-time hours.

(3) The County shall not install or assume financial responsibility for street lights in the following instances—

- (a) for the security of private property;
- (b) at entrances to private drives; or
- (c) on private roads or ways.

(4) The County shall only install or pay for a street light on an existing pole that is—

- (a) owned by the County or a public utility; and
- (b) located within a public right-of-way.

Optical Configuration

7. (1) The optical configurations of streetlights installed within the County shall comply with the code of practice set out in the First Schedule to these Regulations.

(2) Notwithstanding paragraph (1), the Chief Officer may amend the optical configurations of streetlights already installed, based on the recommendations of the Director.

Specifications for Street Light Accessories

8. The specifications for streetlight accessories shall be as set out in the Second Schedule to these Regulations.

Partnerships with Government Agencies

9. (1) The Committee Member may collaborate with a government agency, through a written agreement, for the installation and maintenance of street and public lights.

(2) The government agency shall bear the cost of such installation and maintenance.

(3) Where street or public lights installed by a government agency are handed over to the County, the agency shall provide the resources required for the subsequent maintenance of the installation for a period of not less than twelve months, to enable the County to factor the maintenance costs into its budget.

- (4) An instrument of collaboration under this regulation shall—
- (a) define outage response timelines;
 - (b) provide for safety compliance requirements;
 - (c) prescribe reporting standards;
 - (d) set out penalties for non-compliance; and
 - (e) be reviewed annually.

Public Private Partnership Programs

10. (1) Any proposal for a Public-Private Partnership arrangement for street lighting shall be submitted to the Directorate of Public-Private Partnership.

(2) A proposal submitted under paragraph (1) shall be evaluated in accordance with the applicable national and county laws to ensure feasibility, transparency, and value for money.

(3) A Public-Private Partnership project approved under these Regulations shall include clear contractual terms relating to—

- (a) the design of the street lighting system;
- (b) financing arrangements;

3. Control Gear and Components

<i>Component</i>	<i>Specification</i>
Control box / feeder pillar	IP65 enclosure, stainless steel or coated mild steel, lockable, fitted with MCBs, contactors, surge arresters, and terminal blocks.
Surge Protection Device (SPD)	Minimum 10 kA rating, Type II, IEC 61643 compliant.
Photocell	NEMA or Zhaga-compliant, 230 V, dusk-to-dawn operation with 10–15 sec delay.
Dimming controller (optional)	0–10 V or DALI/D4i protocol; programmable or remotely managed.
Cable termination box	Weatherproof, with lugs, strain relief, and IP-rated glands.

4. Cables and Wiring

<i>Parameter</i>	<i>Requirement</i>
Type	PVC or XLPE insulated copper cable, armoured for underground routing
Voltage Rating	0.6/1 kV
Conductor Size	2.5 mm ² (control) to 16 mm ² (power), as per design
Standards	IEC 60502, BS 6346, or KEBS equivalent
Colour Coding	Brown (live), Blue (neutral), Green/Yellow (earth)
Cable Marking	Embossed with manufacturer name and size at ≤1 m intervals

5. Junction Boxes

<i>Parameter</i>	<i>Requirement</i>
Enclosure	Polycarbonate or glass-fibre reinforced polyester, IP66
Terminals	Brass or stainless-steel screw terminals
Fittings	Cable glands, strain relief, rubber seals
Mounting	Within pole base or at base-plate level

6. Foundations

<i>Parameter</i>	<i>Requirement</i>
Material	Reinforced concrete, class 25 or higher
Anchor Bolts	M20–M24 galvanized bolts with templates

Foundation Depth	As per pole height and soil conditions (typically 1/6 of pole height)
Earthing	Copper earth rod \geq 16 mm diameter, 2.4 m length
Earthing Resistance	\leq 10 ohms at each pole

7. Earthing and Bonding

- (a) Each pole and metallic component shall be bonded to earth.
- (b) Earth continuity conductors shall be copper, minimum 6 mm².
- (c) Earthing pits shall be accessible and clearly marked.

8. Marking and Identification

- (a) Each pole and luminaire shall bear a durable nameplate showing manufacturer, model, wattage, and installation date.
- (b) Feeder pillars shall include circuit identification labels.

9. Inspection and Testing

- (a) Accessories shall be inspected for conformity with these specifications prior to installation.
- (b) Factory test certificates for poles, cables, and control gear shall be submitted to the County.
- (c) Random field tests shall be conducted for insulation resistance and earthing continuity.

10. Warranty

All accessories shall carry a minimum five-year warranty against corrosion, mechanical failure, or manufacturing defects.

Made on 11th December 2025.

IBRAHIM NYANGOYA AUMA,
County Executive Committee, Member for Mobility and Public Works.

FIRST SCHEDULE

OPTICAL CONFIGURATIONS FOR STREET LIGHTS

Item	Road / Area Type	Mounting Height (m)	Pole Spacing (m)	Distribution Type	Nominal Lumen Output (lm)	CCT (K)	CRI (Ra)	BUG Rating	Target Avg Illuminance (lux)	Min:Avg Uniformity (U0)	Remarks
1	Collector Road	6.0	25	Type III	≥12,000	4000	≥70	B2-U1-G2	10-15	≥0.4	Full cut-off, adaptive control permitted
2	Arterial Road	8.0	30	Type III / IV	≥18,000	4000	≥70	B2-U2-G3	15-20	≥0.3	Full cut-off, networked dimming required
3	Highway / Dual Carriageway	12.0	70	Type IV / V	≥28,000	4000 - 5000	≥70	B3-U3-G4	10-25	≥0.3	Full cut-off, glare control mandatory
4	Pedestrian / Cycle Path	3.0	15	Type I	≥3,000	3000	≥80	B0-U0-G0	5-20	≥0.5	Warm light preferred, low glare
5	Intersection / Roundabout	10.0	—	Combination	≥30,000	4000	≥70	B2-U2-G3	20-50	≥0.25	Multi-beam or aimed fittings allowed

											ed
6	Car Park / Open Area	6.0	—	Type V	≥15,000	4000	≥70	B2-U2-G2	10–20	≥0.4	Minimize uplight and backlight

SECOND SCHEDULE

SPECIFICATIONS FOR STREET LIGHTING ACCESSORIES

1. Lighting Poles

Item	Description	Requirement
Type	Steel tubular / conical / octagonal	Hot-dip galvanized to BS EN ISO 1461
Material	Mild steel (minimum 3 mm wall thickness)	Yield strength ≥ 275 MPa
Height	6–12 m (as per Schedule 1)	Straightness tolerance ≤ 1/1000 height
Finish	Galvanized or powder-coated	Minimum coating thickness 80 µm
Base Plate	Mild steel, welded	Gusseted for stability
Door Opening	Lockable access panel	IP54 minimum
Mounting	Foundation bolts (M20–M24)	Stainless steel or galvanized
Design Life	Minimum 25 years	Certified to EN 40 or equivalent

2. Brackets and Arms

Item	Description	Requirement
Type	Single, double, or outreach arm	Compatible with luminaire type
Material	Hot-dip galvanized steel or aluminium	Minimum wall thickness 3 mm
Length	0.5–2.0 m (as per road classification)	Determined by photometric design
Angle	0° to 15° adjustable tilt	Stainless steel locking bolts
Finish	Galvanized or powder-coated	Match pole finish

