

NOREX

TRAFIC SIGNAL HEAD



Reliable, Long-Life LED System

NOREX LED modules are designed for:

- High temperature durability
- Low output degradation,
- Resistance to humidity and environmental stress
- Minimal phantom effect (sun reflection).

Special optic lensing ensures consistent signal clarity.



Multi-Voltage LED Drive System

NOREX supports multiple operating voltages depending on the model:

- 220 VAC standard LED models
- 42 V Power LED models
- Low-current LED drive prevents LED aging
- Extremely low power consumption (< 8W per module for Power LED models)

This design ensures energy savings and extended product life.



High-Capacity Optical Engine

NOREX traffic signal head is built with a high-performance LED optical engine. It provides:

- High luminous intensity
- Uniform light distribution
- Single-source appearance (no visible LED diodes)
- Low energy consumption
- Long operating lifetime

The optical system ensures maximum visibility under all weather and lighting conditions.



Installation and Maintenance

NOREX Designed for long-term outdoor operation in harsh environments.

- Robust polycarbonate housing (UV-stabilized)
- Lightweight modular structure
- Dual-side hinging front doors for easy access
- Adjustable lantern mounting centers
- Fast module replacement



Parameter	Specification			
General				
Product Series	NOREX LED Traffic Signal Head			
Application	Urban Roads, Intersections, Pedestrian Crossings, Smart Mobility Systems			
Availability	200 mm & 300 mm Signal Modules			
Models				
Family	NOREX LED Models		NOREX Power LED Models	
Model	NOREX 3-xx	NOREX 2-xx	NOREX 3P-xx	NOREX 3P-xx
Diameter	Ø300 mm	Ø200 mm	Ø300 mm	Ø200 mm
Operating Voltage	220 VAC (+12/-15%)		220 V / 42 V	
Operating Frequency	50 Hz ±4		50 Hz ±4	
Operating Temperature	-40°C to +60°C		-40°C to +60°C	
Relative Humidity	95%		95%	
Body Structure	Polycarbonate UV		Polycarbonate UV	
Body Color	Black / Orange		Black / Orange	
Power Factor	> 0.9		> 0.9	
Total Harmonic Distortion	< 20%		< 20%	
Phantom Class	5		5	
Light Intensity Distribution	Type N / M	Type W	Type N / M	Type W
Phantom Light	No colour phantom (black lens)		No colour phantom (black lens)	
Symbol Class	S1		S1	
Durability	IR3		IR3	
Protection Class	IP65		IP65	
Performance Level	B3/2 / A3/2	B2/2 / A3/1	B3/2 / A3/2	B2/2 / A3/1

