



NERA

LED STREET LIGHT



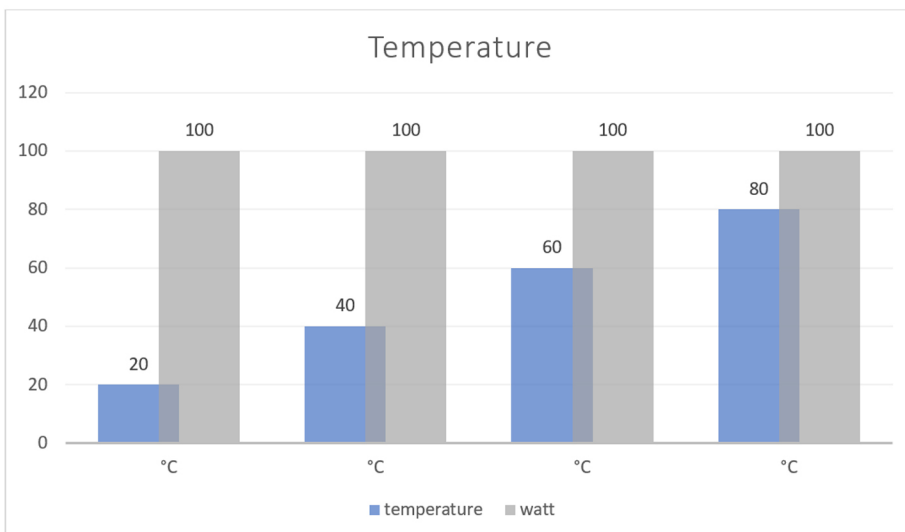


The Design

The product design was created after all shapes were tested and developed to provide the best shape with the best possible performance



This product was developed and worked on to be smoother in installation and in a streamlined manner and with high heat dissipation in order to process lighting and maintain the ability to work and with ideal lighting intensity in all natural conditions





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Key Features

- Modular pluggable technology, tool-free onsite, maintenance
- Single unit's damage won't affect other unit's current
- Free modular serialization and full power range solutions
- Honeycomb and whole structure cooling technology, high efficient heat dissipation
- Non-wire eutectic soldering
- Ergonomic light distribution to achieve uniform illumination effect
- Double-coupling IP67 protection, highest waterproof level



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Product data

Light Technical

Power	100W
Correlated Color Temperature (Nom)	3000K-4000K-6000K
Luminous Efficacy (rated) (Nom)	145lm/w
Color rendering index (CRI)	>80
Optical cover/lens type	Flat glass

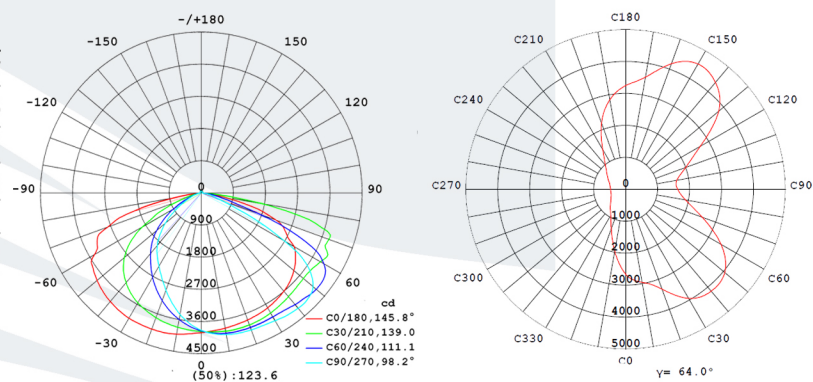
Approval and Application

Ingress protection code	IP67
Mech. impact protection code	IK08
Numerator - Quantity Per Pack	1
Full product name	Noray-Nera

Mechanical and Housing

Housing Color	Dark Gray
Overall length	62.5
Overall width	29
Overall height	15
Dimensions (Height x Width x Depth)	62.5x29x15
Material	Aluminum

Lighting Way



Temperature

Ambient temperature range	-40-50°C
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Operating and Electrical

Input Voltage	24V
Line Frequency	0Hz
Input Frequency	0Hz
Median useful life	50,000h
Driver	Noray Isolated LED Driver
Chip	LED 3030 Chip



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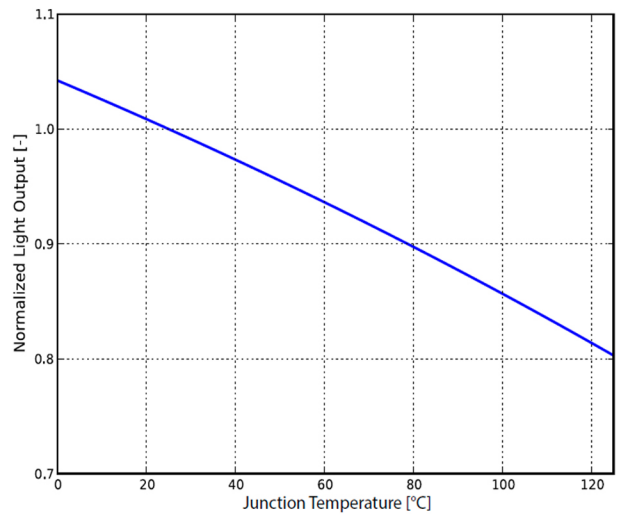
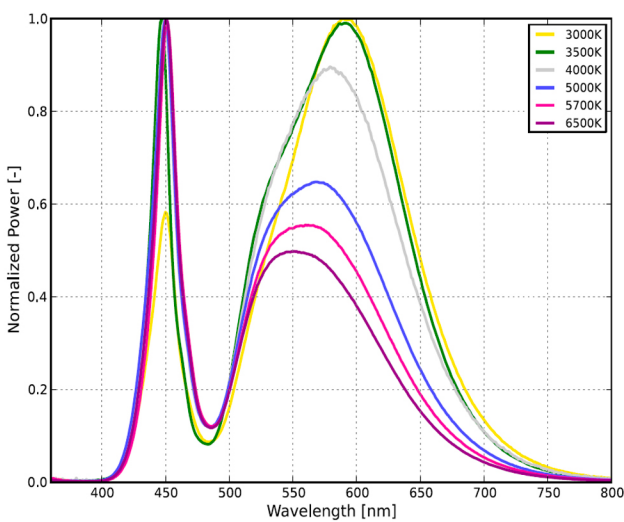


2D Line 3030

Electrical data

Absolute Maximum Ratings

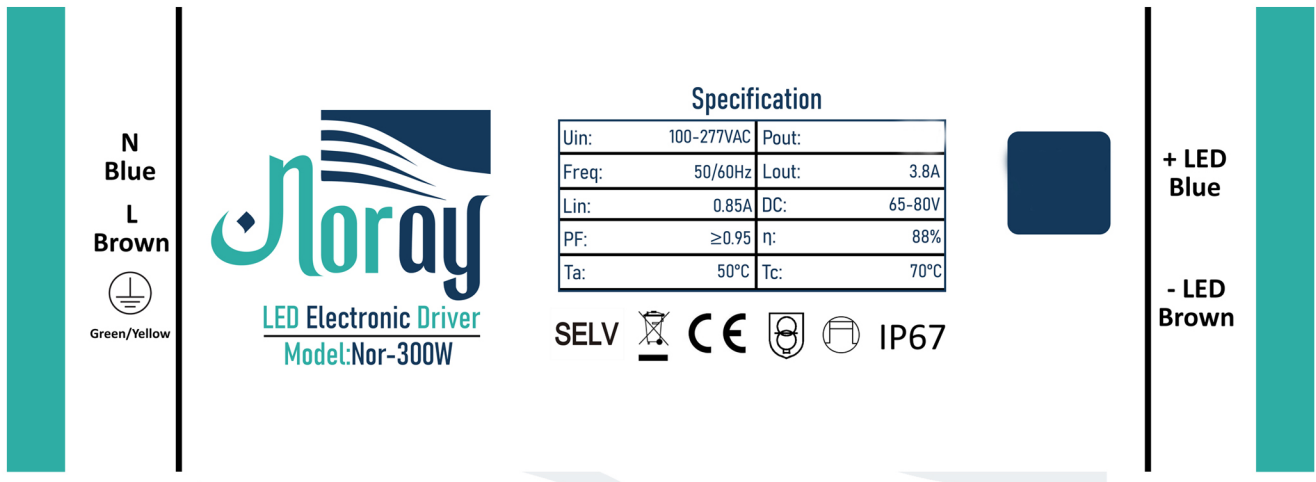
DC Forward Current	240mA	Operating Case Temperature	40°C to 105°C
Peak Pulsed Forward Current	300mA	LED Storage Temperature	40°C to 105°C
ESD Sensitivity (ANSI/ESDA/JEDEC JS-001-2012)	Class 2	Soldering Temperature	JEDEC 020D 260°C
LED Junction Temperature (DC & Pulse)	125°C	Allowable Reflow Cycles	3



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LED Driver



Specification

Uin:	100-277VAC	Pout:	
Freq:	50/60Hz	Lout:	3.8A
Lin:	0.85A	DC:	65-80V
PF:	≥0.95	η:	88%
Ta:	50°C	Tc:	70°C

SELV IP67

Electrical data

input voltage range	100-277V	DC voltage	65-80V
Rated input current	0.85A	Output current	1.3A,1.9A,2.6A,3.1A,3.8A
Rated input frequency range	Hz 45-66	Output power	100W,150W,200W,250W,300W
Power factor	0.95	Regulation method	Constant Current

Certificate

For
Energy Efficiency Label



الهيئة السعودية للمواصفات والمقاييس والجودة
Saudi Standards, Metrology and Quality Org.

The Saudi Standards, Metrology and Quality Org. (SASO)

has certified : **LIGHTING SQUARE FACTORY** to use the energy efficiency certificate according to **SASO 2927:2019**, for the **Lighting Part3** product and technology **LED_LUMINAIRE_STREET_LIGHT** :-

Type of Product	Brand name	Model's number	Rated Power (W)	Rated Lumen Flux (lm/w)	Driver Efficiency (η)	Factory Country	Color Temperature (K)	Classification
Luminaire	LIGHTING SQUARE	ARON-100W-3000K	100	14500	NA	Saudi Arabia	3000	A
Control Gear	Inventronics	EUM-150S420DG	150	NA	0.89	China	NA	

* Expiry Date: **1446-05-14 AH, 16-Nov-2024 AD**

This certificate is subject during its validation to the related Rules & Regulations of the Kingdom of Saudi Arabia, and any Instructions or Amendments issued by SASO.



Application No: E65148/2023

License No: LP2112365148

Certificate

For
Energy Efficiency Label



الهيئة السعودية للمواصفات والمقاييس والجودة
Saudi Standards, Metrology and Quality Org.

The Saudi Standards, Metrology and Quality Org. (SASO)

has certified : **LIGHTING SQUARE FACTORY** to use the energy efficiency certificate according to **SASO 2927:2019**, for the **Lighting Part3** product and technology **LED_LUMINAIRE_STREET_LIGHT** :-

Type of Product	Brand name	Model's number	Rated Power (W)	Rated Lumen Flux (lm/w)	Driver Efficiency (η)	Factory Country	Color Temperature (K)	Classification
Luminaire	LIGHTING SQUARE	ARON-100W-4000K	100	14500	NA	Saudi Arabia	4000	A
Control Gear	Inventronics	EUM-150S420DG	150	NA	0.89	China	NA	

* Expiry Date: **1446-05-14 AH, 16-Nov-2024 AD**

This certificate is subject during its validation to the related Rules & Regulations of the Kingdom of Saudi Arabia, and any Instructions or Amendments issued by SASO.



Application No: E65142/2023

License No: LP2112365142

Certificate

For
Energy Efficiency Label



الهيئة السعودية للمواصفات والمقاييس والجودة
Saudi Standards, Metrology and Quality Org.

The Saudi Standards, Metrology and Quality Org. (SASO)

has certified : **LIGHTING SQUARE FACTORY** to use the energy efficiency certificate according to **SASO 2927:2019**, for the **Lighting Part3** product and technology **LED_LUMINAIRE_STREET_LIGHT** :-

Type of Product	Brand name	Model's number	Rated Power (W)	Rated Lumen Flux (lm/w)	Driver Efficiency (η)	Factory Country	Color Temperature (K)	Classification
Luminaire	LIGHTING SQUARE	ARON-100W-6000K	100	14500	NA	Saudi Arabia	6000	A
Control Gear	Inventronics	EUM-150S420DG	150	NA	0.89	China	NA	

* Expiry Date: **1446-04-07 AH, 10-Oct-2024 AD**

This certificate is subject during its validation to the related Rules & Regulations of the Kingdom of Saudi Arabia, and any Instructions or Amendments issued by SASO.



Application No: E64491/2023

License No: LP2102364491



CERTIFICATE

Management system as per EN ISO 9001:2015

In accordance with TÜV AUSTRIA procedures, it is hereby certified that

LIGHTING SQUARE FACTORY **Al Sulay Dist. 8030 Riyadh, Saudi Arabia**

applies a management system in line with the above standard for the following scope

**Manufacturing of LED lighting fixtures (indoor lights, floodlights, garden lights, facade lights, and road lighting fixtures).
Manufacturing of lighting poles, high mast, flag poles, traffic poles, and accessories**

Certificate Registration No. 20100243019439

Valid until 2027-05-09

Certification Body
at TÜV AUSTRIA GMBH

Vienna, 2024-05-10

This certification was conducted in accordance with TÜV AUSTRIA auditing and certification procedures and is subject to regular surveillance audits.

TÜV AUSTRIA GMBH Deutschstraße 10 A-1230 Wien www.tuv.at



Online Verification



www.tuv.at/certcheck



CERTIFICATE

Management system as per EN ISO 14001:2015

In accordance with TÜV AUSTRIA procedures, it is hereby certified that

LIGHTING SQUARE FACTORY **Al Sulay Dist. 8030 Riyadh, Saudi Arabia**

applies a management system in line with the above standard for the following scope

**Manufacturing of LED lighting fixtures (indoor lights, floodlights, garden lights, facade lights, and road lighting fixtures).
Manufacturing of lighting poles, high mast, flag poles, traffic poles, and accessories**

Certificate Registration No. 20104243019440

Valid until 2027-05-09

Certification Body
at TÜV AUSTRIA GMBH

Vienna, 2024-05-10

This certification was conducted in accordance with TÜV AUSTRIA auditing and certification procedures and is subject to regular surveillance audits.
TÜV AUSTRIA GMBH Deutschstraße 10 A-1230 Wien www.tuv.at



Online Verification



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ZERTIFIKAT | CERTIFICATE | CERTIFICAT | CERTIFICADO | СЕРТИФИКАТ | شهادة | 证书 | 인증서



CERTIFICATE

Management system as per ISO 45001:2018

In accordance with TÜV AUSTRIA procedures, it is hereby certified that

LIGHTING SQUARE FACTORY **Al Sulay Dist. 8030 Riyadh, Saudi Arabia**

applies a management system in line with the above standard for the following scope

**Manufacturing of LED lighting fixtures (indoor lights, floodlights, garden lights, facade lights, and road lighting fixtures).
Manufacturing of lighting poles, high mast, flag poles, traffic poles, and accessories**

Certificate Registration No. 20116243019441

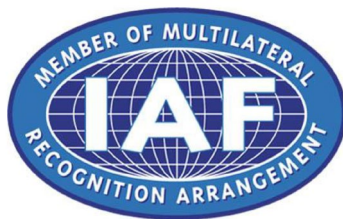
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Certification Body
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