

# NERON

## Area Lights



### AREA LIGHT CLASS I DIVISION 2

#### Product Description:

The Neron Explosion Proof Area Light is designed for installation in Class I, II and III hazardous environments, their innovative design provides high energy efficiency, superior lighting quality, and a longer operating life. Manufactured in accordance with the European Directive (ATEX) and IECEx standards, they are designed for general outdoor illumination duties at medium and high suspension heights. They also offer a high color rendition index compared to high-pressure sodium lamps.

#### Classifications / Ratings

- **Class I, Division 2, Groups A, B, C, D**
- **Class II, Division 1, Groups E, F, G**
- **Class II, Division 2, Groups F, G**
- **Class III**
- **II 2 G Ex ec mb IIC T6...T3 Gc**
- **II 2 D Ex tb IIIC T80°C...T125°C Db**

#### Environmental

- Ambient Operating Temperature -40 °F ~ +140°F
- Temperature Rating **C1D2 T6**
- Ingress Protection Rating of **IP66**
- Impact Protection of **IK09**
- Average Life of 50000 Hours.

#### Construction

Housing	Aluminum
Cover Material / Lens	Tempered glass
Base / Power Supply	Three connection cable entry points
Finish	Gray

#### Application Areas

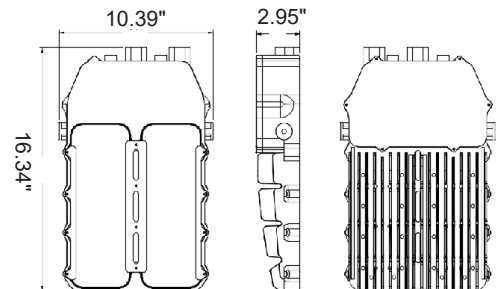
- Oil and gas industry
- Chemical industry
- Marine and aerospace field
- Metal treatment
- Food and alcohol industry

#### Warranty

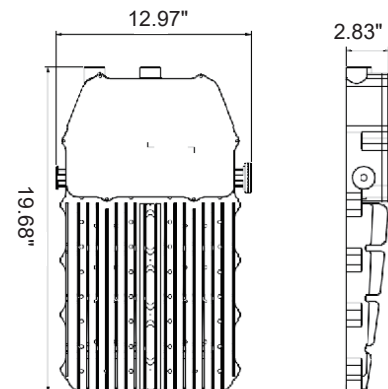
- 5-year limited system warranty standard
- Warranty does not cover product failure due to an overvoltage event (power surge)



**STA1L140 (Neron 1)**  
Dimension Diagram (100W)



**STA2L140 (Neron 2)**  
Dimension Diagram (150W / 200W / 240W)



**Product Specifications:**

Item	Specification	Details			
Model Version		<b>STA1L140</b> (Neron 1)		<b>STA2L140</b> (Neron 2)	
Electrical	Power	100W	150W	200W	240W
	Voltage	100-305 V AC 50/60 Hz			
	Current	0.40A	0.60A	0.80A	0.96A
	Power Factor	>0.9			
	Total Harmonic Distortion (THD)	≤20%			
	Surge Protection	10KV			
Lighting Performance	Lumens	14000 lm	21000 lm	28000 lm	33600 lm
	Efficacy	140 lm/W			
	Color Temperature (CCT)	4000 K, 5000 K			
	Color Rendering (CRI)	70			
	Beam Angle	120°			

**Ordering Information :** Typical order example: *IK-EXHB-STA1L140-100W-40K-CID2-FM*

IK	EXHB	MODEL	POWER	CCT	CID2	MOUNTING OPTIONS
IK IKIO	EXHB Explosion Proof High Bays	<input type="checkbox"/> STA1L140 Neron 1 Area Lights	<input type="checkbox"/> 100W	<input type="checkbox"/> 40K for 4000K	CID2 CID2 Explosion Proof Rated	<input type="checkbox"/> FM Flood Mount (Default)
		<input type="checkbox"/> STA2L140 Neron 2 Area Lights	<input type="checkbox"/> 150W <input type="checkbox"/> 200W <input type="checkbox"/> 240W	<input type="checkbox"/> 50K for 5000K		

\*Default Mounting Bracket Is Flood Mount.  
\*Refer Accessories Table Before Selecting Your Desired Mounting Options.

**Accessories Table:**

Mounting Option	Model Ordering Code	Accessories Description	Accessories Image	Product Image
Flood Mount	FM	Flood Mount Bracket IK-EX-FM		