

# NLE pendant LED lighting-hazardous area

## Product introduction

The Zone 2 NLE product Series LED Luminaires using high-quality international brand LED chips, have extremely long lifespan. Multiple version of the NLE LED are available, providing ideal solutions for a wide range of applications.

NLE provides the same durability and reliability of a traditional HID fixture, coupled with the low cost of ownership and energy efficiency of Crouse-Hinds LED technology. High-performance LEDs and a solid-state electronic driver provide light where you need it, at a fraction of the operating costs of HID lighting technologies.

Suitable for Zone 2 Ex-gas and 22 Ex-dust hazardous area, such as heavy industrial, chemical, petrochemical or pharmaceutical facilities, platforms, shipyard, electric power, loading docks, wastewater treatment, paper mill.



1

## Product features

- **High Efficient & Energy saving**

Up to 66% energy-saving comparing to HID Luminaire.

Model	Nominal lumens	Wattage	Equivalent HID Luminaire	Energy Savings
NLE-3L	Approx.3731	Approx.30W	70W-100W	Up to 58%
NLE-5L	Approx.5000	Approx.50W	100W-150W	Up to 66%
NLE-7L	Approx.7000	Approx.70W	150W-175W	Up to 60%
NLE-8L	Approx.8000	Approx.80W	150W-175W	Up to 60%

- **Industry-Best Safety Reliability**

- Extremely low profile & light weight.
- Copper free aluminum housing, tempered and impact resistant glass globe, heat & corrosion proof.
- IP66 Protection.

- **Perfect Temperature and Optical Performance for Wide Application**

- Best T- Rating: T6/T5.
- Permissible temp. range\*:  
3L/5L: -40°C~+55°C T6  
7L/8L: -40°C~+55°C T5
- Cold white 5700K & Warm white 3000K are available
- \* Please contact Crouse-Hinds sales for other temp. range request.

- **Anti Shock and vibration**

- **Mercury-free & lead free, environment protection**

- **Instant ON/OFF**

- **Standard Product provides pendant mount, optional U shape yoke mount provide the greatest mounting flexibility: wall mounting ,ceiling mounting , pole mounting and etc.**

Separate pole mounting bracket is also available, please refer to below drawing for details.

- **Rated life of 5 years at 55°C provides long term, low-maintencnce operation.**

# NLE pendant LED lighting-hazardous area

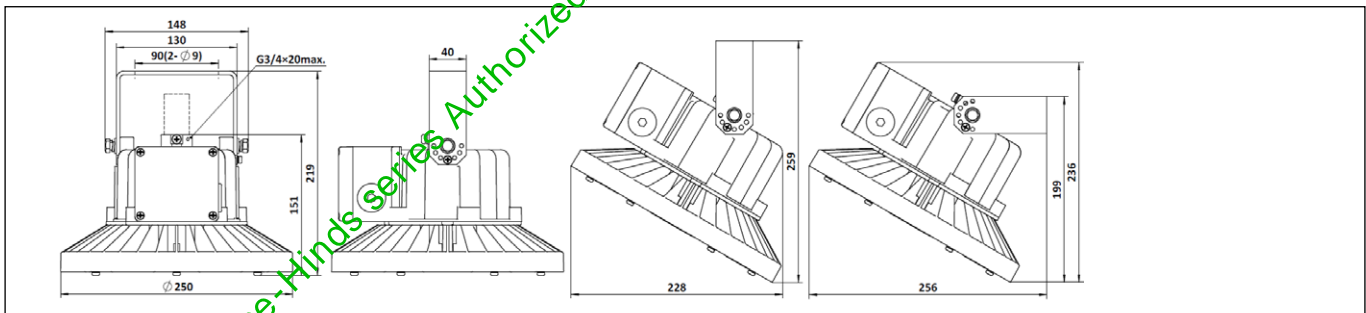
## Technical information

<b>Certification of conformity</b>	IECEX NEP 21.0002X., EPT 16 ATEX 2452X, IECEX SEV 19.0056X
<b>Ex Marking</b>	Ex nR IIC T6/T5 Gc Ex tb IIIC T80°C/T100°C Db
<b>Power consumption</b>	Refer to below table
<b>Rated voltage</b>	AC 100V - 240V 50/60Hz; DC 108-250V
<b>THD</b>	<15%
<b>Power factor</b>	≥ 0.9
<b>Cable entry</b>	M20 as standard, M25 is available. 1 Ex e entry plugged
<b>Terminal</b>	Max 6 pole 6 mm <sup>2</sup> , L, N, PE; solid: 0.5mm <sup>2</sup> -6mm <sup>2</sup> ; Flexible: 0.5mm <sup>2</sup> -4mm <sup>2</sup>
<b>Permissible ambient temperature</b>	-40°C~+55°C
<b>Degree of protection</b>	IP66
<b>Insulation class</b>	I
<b>Dimension</b>	Ø250 x 174 (mm)
<b>Net weight</b>	<5kg

## Ordering information

Part No.	Product Type	Lumen Output <sup>1)</sup>	Color Temp.	System Watt	Input Voltage	Entry Threaded	Ex e Threaded Plug <sup>2)</sup>	Ambient Ta	Ta Code (Gas)	TC(Dust) Dust Temp.
CCL1506975	NLE-3L-1M-S886-T3-1P-B6	3188lm	5700K	28W		2 x M20	1 x M20		T6	T80C
CCL1507107	NLE-5L-1M-S886-T3-1P-B6	5090lm	5700K	50W		2 x M20	1 x M20		T6	T80C
CCL1506173	NLE-7L-1M-S886-T3-1P-B6	7300lm	5700K	70W	100-240V AC	2 x M20	1 x M20	-40°C~ +55°C	T5	T100C
CCL1507371	NLE-8L-1M-S886-T3-1P-B6	7867lm	5700K	75W	50/60Hz,	2 x M20	1 x M20		T5	T100C
CCL1507239	NLE-3L-W-1M-S886-T3-1P-B6	2997lm	3000K	35W	108-250V DC	2 x M20	1 x M20		T6	T80C
CCL1507503	NLE-5L-W-1M-S886-T3-1P-B6	5070lm	3000K	60W		2 x M20	1 x M20		T6	T80C
CCL1612807	NLE-6L-W-1M-S886-T3-1P-B6	6385lm	3000K	75W		2 x M20	1 x M20		T5	T100C

## Installation and dimension



## Polar curve

