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 versions 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.

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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.3000	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.

- Fixture life and years of maintenance-free operation

Ambient temperature	No. of years at 24 hours usage	No. of years at 12 hours usage
25˚C	11	23
35˚C	10	21
40˚C	7.5	15
45˚C	6	11
50˚C	5	9
55˚C	3.5	7

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Technical data

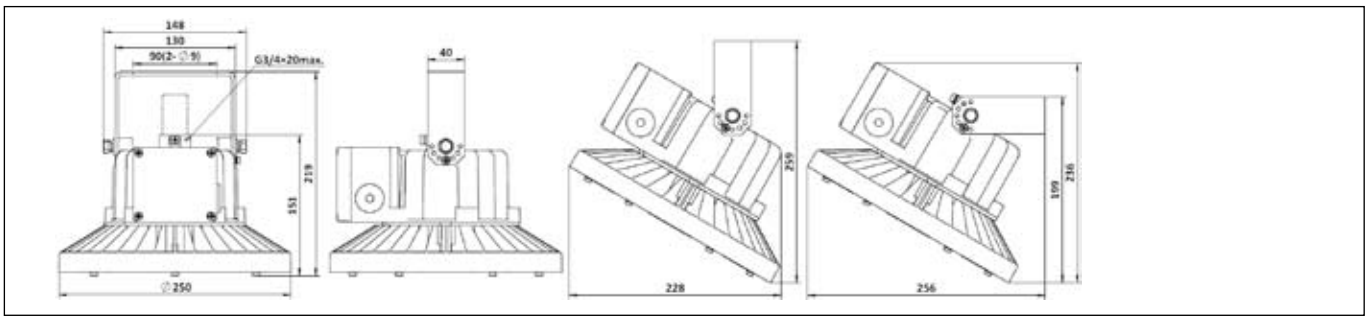
EC-type examination certificate	EPT 16 ATEX 2452X
IECEx-certification of conformity	IECEx CQM 16.0013X
Marking acc. to IECEx	Ex nR IIC T6/T5 Gc Ex tb IIIC T80˚C/T100˚C Db
Marking acc. to GB	Ex nR IIC T6/T5 Gc, Ex tD A21 IP66 T80˚C/T100˚C
EMC compliance	EN 55015:2013 EN 61000-6-4:2007/A1:2011 EN 61000-3-2:2006/A2:2009 EN 61000-3-3:2013 EN 61547:2009 EN 61000-6-2:2005/AC:2005 IEC 61000-4-2 ed2.0(2008-12);IEC 61000-4-3 ed3.2 Consol.with am 1&2(2010-04) IEC 61000-4-4 ed3.0(2012-04);IEC 61000-4-5 ed2.0 (2005-11);IEC 61000-4-6 ed4.0(2013-10) IEC 61000-4-8 ed2.0(2009-09);IEC 61000-4-11 ed2.0 (2004-03)
Power consumption	Refer to below table
Rated voltage	AC 100V - 240V 50/60Hz; DC 108-250V
THD	<15%
Power factor	≥ 0.9
Cable entry	2xM25x1.5 or 2xM20x1.5, 1 entry plugged
Terminal	L, N, PE; solid: 0.5mm^2-6mm^2; Flexible: 0.5mm^2-4mm^2
Permissible ambient temperature	-40˚C~+55˚C
Degree of protection	IP66
Insulation class	I
Dimension	Ø250 x 174 (mm)
Net weight	<5kg

Ordering logic

NLE	-3L	-W	-1M	-S886	-T1	-F	-1P	-B1
Series No.	**Total lm**	**Color temperature**	**Entry size**	**Entry qty.**	**Terminal**	**Glass**	**Entry acc.**	**Mounting type***
NLE	-3L=3000 -5L=5000 -7L=7000 -8L=8000	Default=5700K -W=3000K	-1M=M20 -2M=M25	Defult=1 entry -S886=Two entries	-T1=Pillar terminal -T2=MK 6/3 -T3=MK 6/6 -T4=MUT 4 (3 pole) -T5=MUT 5 (6 pole)	Default=Clear Glass -F=Foggy Glass	Default=one unplugged entry -1P=Two entries,1 plastic plug.1 opening -2G=Two entries,plastic gland each -3G=Two entires,with 1 plastic plug,1 plastic gland	Default=G3/4 Pendant mout only -B1=W/T Painted bracket mount only -B4=W/T Painted and G3/4 Pendant mount

*Also available for stainless steel mount type, details pls contact Crouse-Hinds sales.

Dimension



Polar curve