



L1605A

Hazardous Location LED Lighting



Net Weight: 5.5 kg (12.1 lb)

Zone
2

Zone
21

Zone
22

IP68

NEMA
6P

Protection

- Ex nR IIC T5 Gc
- Ex tb IIIC T100°C Db

Standards

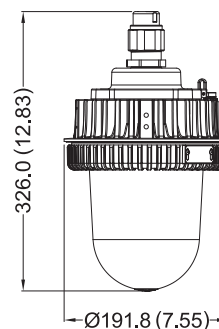
CNS 3376-0
CNS 3376-15
IEC 60079-31

Light Features

- LED Bulb Light Source
- Waterproof protection IP68
- Salt Spray 1000 hrs. passed

Technical Data

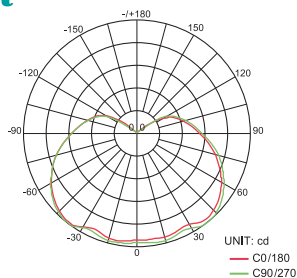
Rated Voltage (±10%)	110V (14W) / 220V (13W) / 110V~220V (16W)		
Watts (±10%)	13W / 14W / 16W		
Amps	13W 220V: 0.06A / 14W 110V: 0.13A / 16W 110V~220V: 0.07~0.15A		
Color of LED Light	3000K (Warm White) / 6500K (Cool White)		
Ambient Temperature	-20°C ~ +50°C, T5		
CRI	Cool White ≥ 70 / Warm White ≥ 80		
Lumen (±10%)		13W	14W
	3000K	1060lm	1143lm
	6500K	1105lm	1191lm
Beam Angle	X-165° / Y-165°		
Frequency	50 / 60 Hz		
Degree of Protection	IP68 / NEMA 6P		
Material	• Enclosure • Glass		
LED Service Life	20,000 hrs		
Entrance Thread	1 x NPT 3/4"		



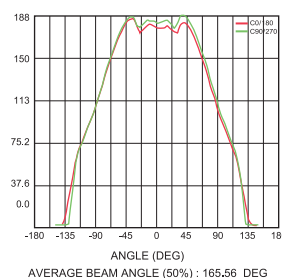
Dimension in Millimeters (inches)

Optical Report

Polar Luminous Intensity Distribution



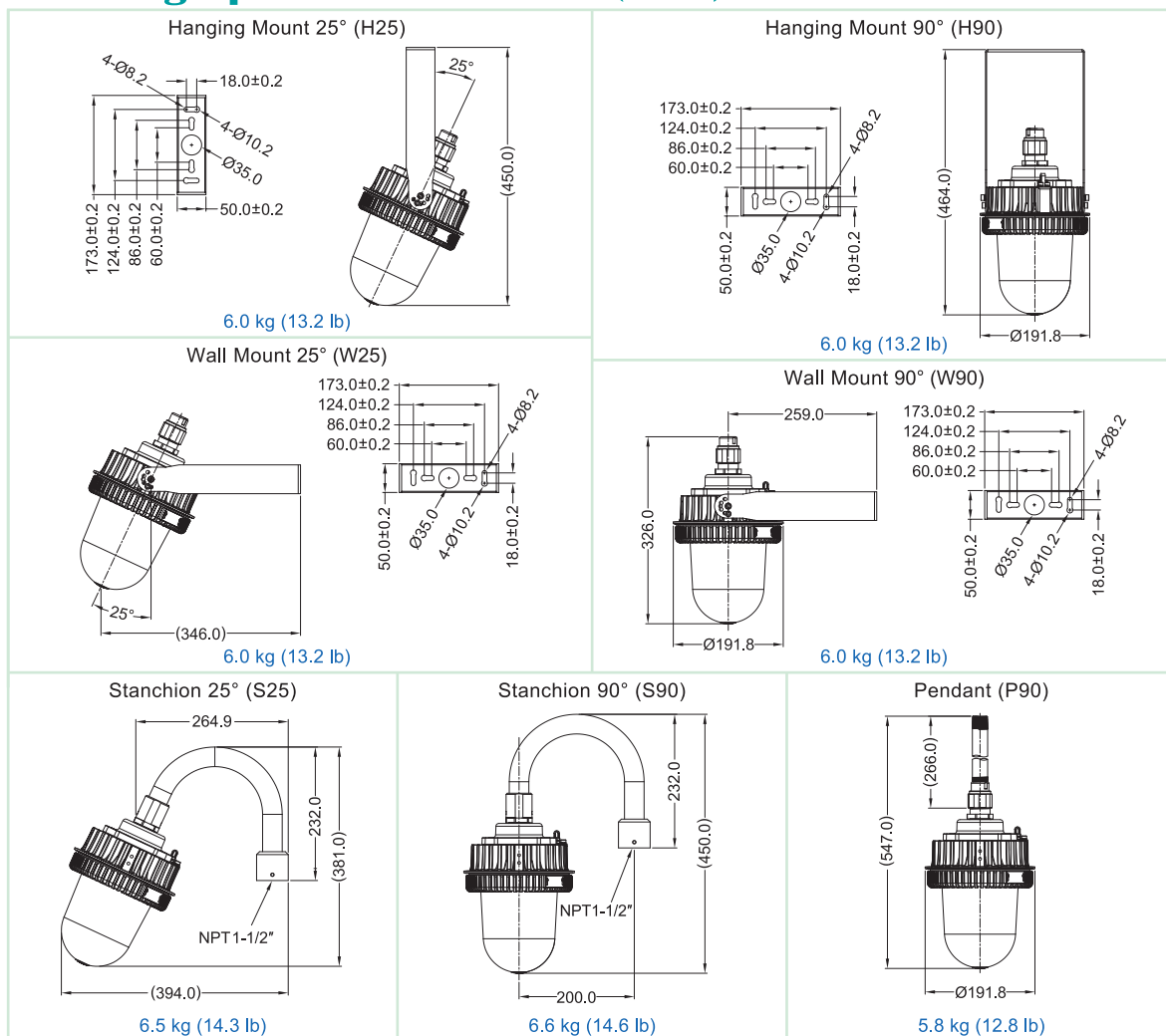
Luminous Intensity Distribution Diagram



Model Code

THT	E	1605	A	B	F	C	A	A6	W90
Brand, THT=TOP HI-TECH CO., LTD.	Category of product, E=Explosion-proof Lighting	Model Name, 1605=Model L1605	E27 (LED Light)	Type of top cover, B=Short top cover	Type of light source, F=LED Bulb	C.C.T., C=Cool White, W=Warm White	Voltage, 1=110V (14W), 2=220V (13W), A=110~220V (16W)	Wattage, A3=13W, A4=14W, A6=16W	Mounting bracket type W25/90=Wall Mount 25°/90° H25/90=Hanging Mount 25°/90° S25/90=Stanchion 25°/90° P90=Pendant

Mounting Option & Dimensions (All in mm)



Applicable Area

- Oil Refinery Complex
- Petrochemical Complex
- Painting Facility
- Transporting Nature Gas
- Transproting Liquefied
- Petroleum Gas
- Offshore Platform (Oil and Natural Gas)