



Zone
2

Zone
21

Zone
22

IP67

NEMA
6

Protection

- Ex nR IIC T6 Gc
- Ex tb IIIC T85°C Db
- ⓂII 3 G Ex nR IIC T6 Gc
- ⓂII 2 D Ex tb IIIC T85°C Db

Standards

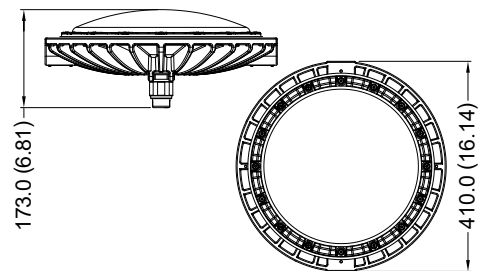
IEC 60079-0
IEC 60079-15
IEC 60079-31
EN 60079-0
EN 60079-15
EN 60079-31

Net Weight: 12.0 kg (26.4 lb)

Technical Data

Rated Voltage (±10%)	110V / 220V / 277V AC				
Watts (±10%)	140W / 160W / 180W / 200W				
Amps	140W 110V: 1.27A, 220V: 0.64A, 277V: 0.51A / 160W 110V: 1.45A, 220V: 0.73A, 277V: 0.58A / 180W 110V: 1.64A, 220V: 0.82A, 277V: 0.65A / 200W 110V: 1.82A, 220V: 0.91A, 277V: 0.72A				
Color of LED Light	3000K (Warm White) / 5000K (Cool White)				
Ambient Temperature	-20°C ~ +40°C, T6				
Power Factor	cos ≥ 0.9				
CRI	Cool White ≥ 70 / Warm White ≥ 80				
Lumen (±10%)	SMD	140W	160W	180W	200W
	3000K	14841lm	16508lm	18830lm	21160lm
	5000K	16295lm	18325lm	20005lm	22413lm
Beam Angle	X-110° / Y-110°				
Frequency	50 / 60 Hz				
Degree of Protection	IP67 / NEMA 6				
Material	• Enclosure • Cover	Aluminum alloy Clear PC Cover			
LED Service Life	60,000 hrs				
Entrance Thread	1 × NPT 3/4"				

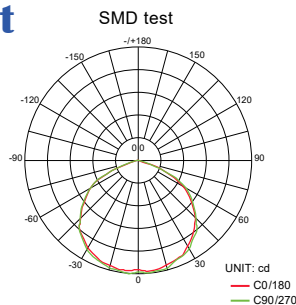
Technical drawing of the LED light fixture showing a side view and a top view. The side view shows a height of 173.0 (6.81) inches. The top view shows a diameter of 410.0 (16.14) inches.



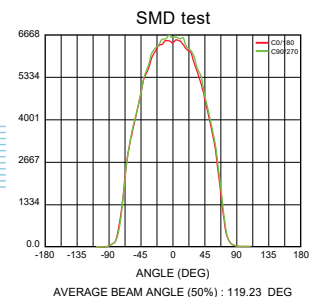
Dimension in Millimeters (inches)

Optical Report

Polar Luminous
Intensity Distribution



Luminous
Intensity Distribution Diagram



Model Code

THT	H	1512	A	N	K	W	9	U0	W90
						①	②	③	④

① C.C.T.

C=Cool White
W=Warm White

② Voltage

1=110V, 2=220V, 9=277V

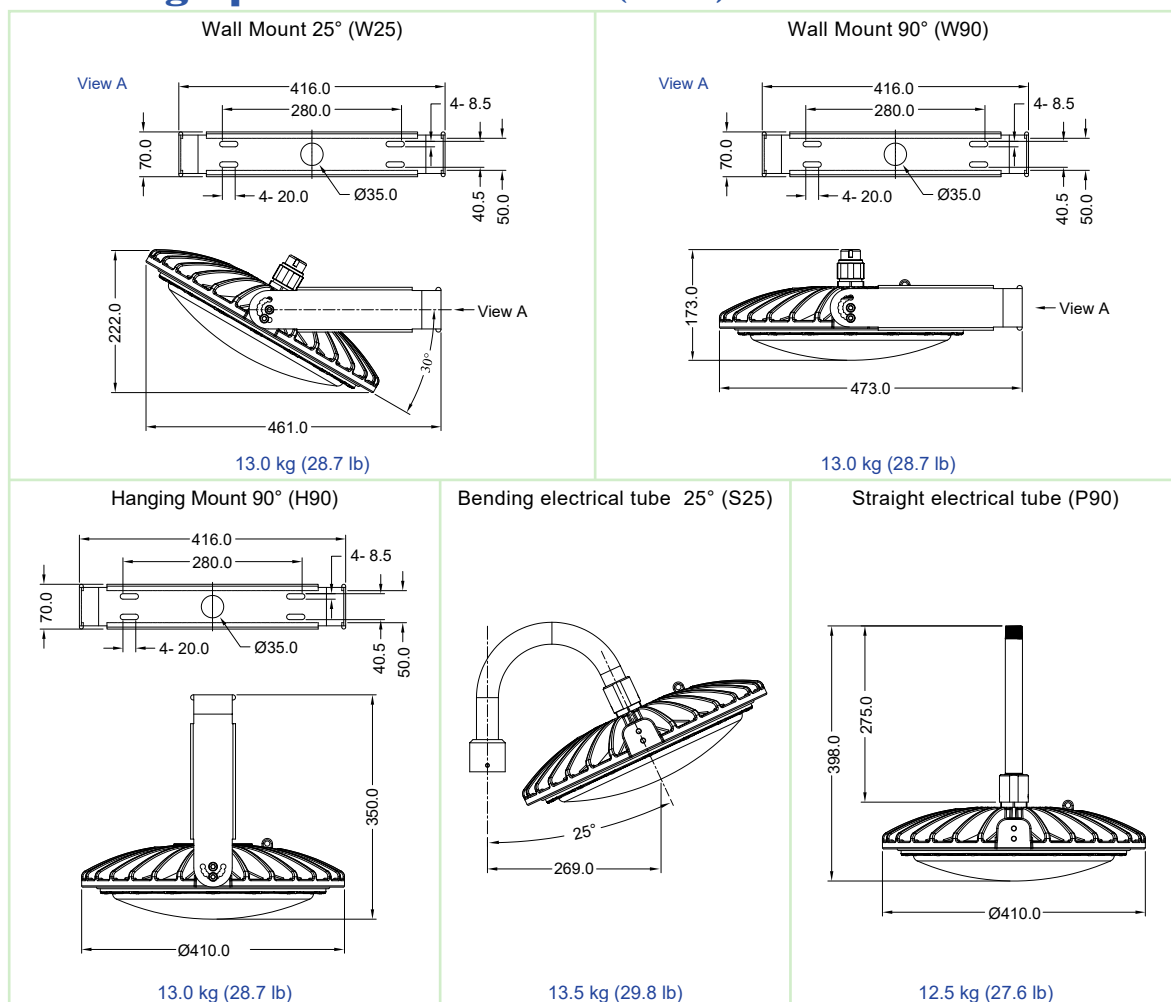
③ Wattage

N0=140W, Q0=160W
S0=180W, U0=200W

④ Mounting Bracket Type

W25/90=Wall Mount 25°/90°
H90=Hanging Mount 90°
S25=Bending electrical tube 25°
P90=Straight electrical tube

Mounting Option & Dimensions (All in mm)



Applicable Area

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