

L1105

Luminaires For Use In Hazardous Locations



CID2
Group
A, B, C, D

CIID1
Group
E, F, G

IP68

**NEMA
6P**

Protection

- Class I, Division 2
Group A, B, C, D
- Class II, Division 1
Group E, F, G
- Class III

Standards

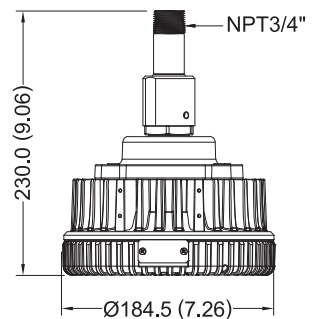
UL 844
UL 1598 Luminaires
UL 8750
CSA C22.2 No. 137-M1981
CSA C22.2 No. 30-M1986
CSA C22.2 No. 25-1996
CSA C22.2 No. 250.0
CSA C22.2 No. 250.13

Light Features

- Service life up to 60,000 hours
- Tank veiwier mounting available

Technical Data

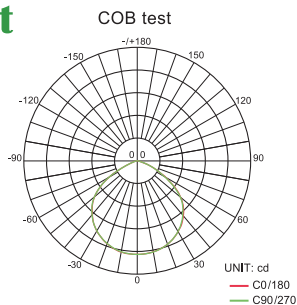
Rated Voltage (±10%)	COB: 24V / 120V / 277V / 480V, DOB: 120V / 277V, SMD: 120V / 277V AC		
Watts (±10%)	40W / 60W (Watts of 24V are different, please contact us for details.)		
Amps	COB: 40W 24V: 1.67A, 120V: 0.33A, 277V: 0.14A, 480V: 0.08A / 60W 24V: 2.50A, 120V: 0.50A, 277V: 0.22A, 480V: 0.13A DOB: 40W 120V: 0.33A, 277V: 0.14A / 60W 120V: 0.50A, 277V: 0.22A SMD: 40W 120V: 0.33A, 277V: 0.14A / 60W 120V: 0.50A, 277V: 0.22A		
Color of LED Light	3000K (Warm White) / 5000K (Cool White)		
Ambient Temperature	CID2: -40°C ~ +40°C, T3C / CIID1: +40°C, T4		
Power Factor	cos ≥ 0.9, cos ≥ 0.87 (480V)		
CRI	Cool White ≥ 70 / Warm White ≥ 80		
Lumen (±10%)		40W	60W
	3000K	3800lm	5700lm
	5000K	4000lm	6000lm
Beam Angle	X-110° / Y-110°		
Frequency	50 / 60 Hz		
Degree of Protection	IP68 / NEMA 6P		
Material	<ul style="list-style-type: none"> • Enclosure • Glass 		
LED Service Life	60,000 hrs		
Entrance Thread	1 × NPT 3/4"		



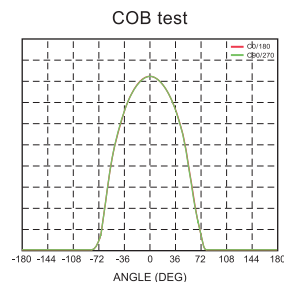
Dimension in Millimeters (inches)

Optical Report

Polar Luminous Intensity Distribution



Luminous Intensity Distribution Diagram



L1105

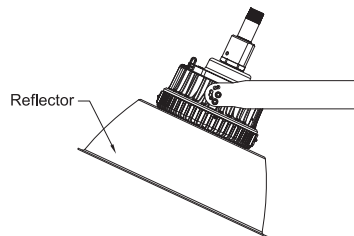
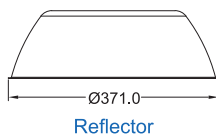
Model Code

THT	E	1105	Z	B	A	C	9	F0	P90
Brand, THT=TOP HI-TECH CO., LTD.	Protection type of luminaire, E=Explosion proof luminaires	Model Name, 1105=Model L1105	Suffix for manufacturer internal use only, Z=No sub-series under this model	Type of top cover, B=Short top cover	Type of LED model, A=DOB LED Module, B=DCOB LED Module, K=SMD LED Module	C.C.T., C=Cool White, W=Warm White	Voltage, 6=120V, 9=277V, C=480V, 3=24V	Wattage, D0=40W, F0=60W	Mounting bracket type W25/90=Wall mount 25°/90° H25/90=Pendant 25°/90° P90=Straight Electrical Tube Pan= Pan Mounting

Mounting Option & Dimensions (All in mm)

Wall Mount 25°/90° (W25 / W90)	Pendant Mounting 25°/90° (H25 / H90)	Straight Electrical Tube (P90)
<p>5.0 kg (11.0 lb)</p>	<p>5.0 kg (11.0 lb)</p>	<p>4.5 kg (9.9 lb)</p>

Optional Accessory



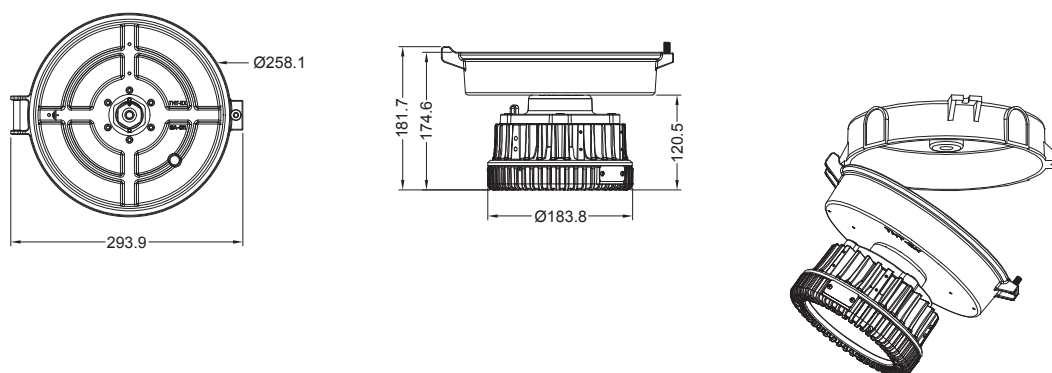
Applicable Area

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

Pan Mounting Option & Dimensions (All in mm)

Retrofit Kit for C Brand

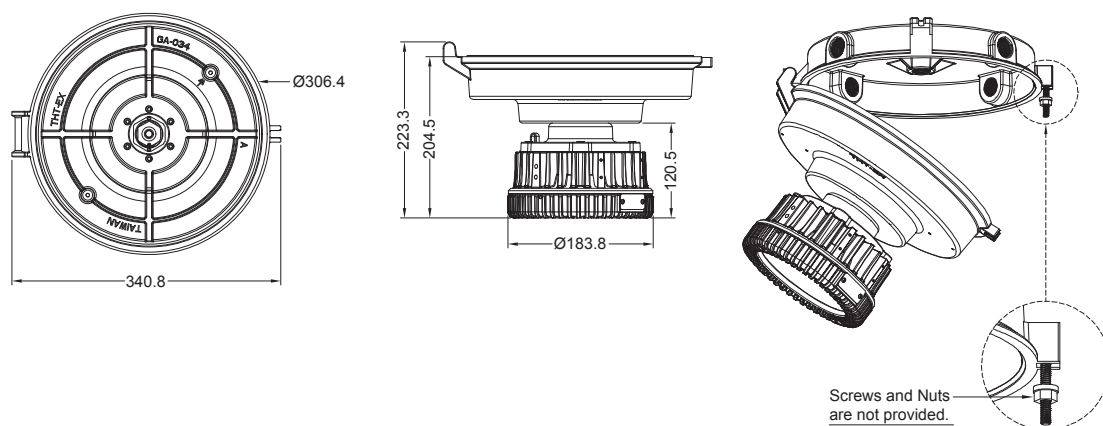
(PAN)



5.5 kg (12.1 lb)

Retrofit Kit for A Brand

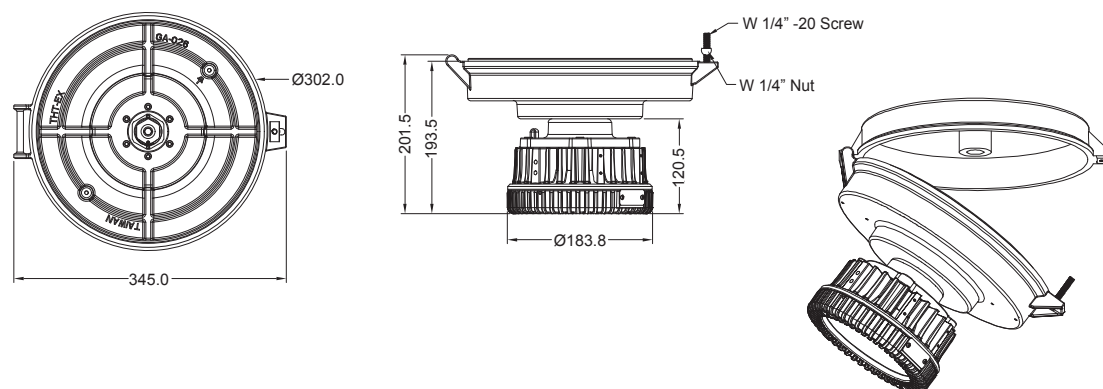
(PANA)



5.8 kg (12.8 lb)

Retrofit Kit for K Brand

(PANK)



6.0 kg (13.2 lb)