

L1102



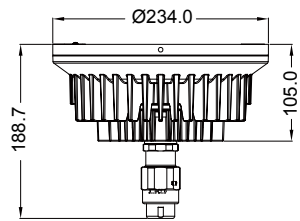
Air product factory

THT-EX

In accordance with special application requirement, THT-EX is able to offer higher specifications on Explosion-proof LED lighting devices, includes

- Lighting can be started at low temperature -65°C
- Lighting can be used at temperature 100°C
- IP rating IP68
- Salt water spray test 72 hours ~ 1000 hours

Certifications:



Dimension in Millimeters

Applicable Location

- Zone 1
- Zone 2
- Zone 21
- Zone 22
- Class I, Division 1
- Class II, Division 1
- Zone 1, AEx d IIB + H₂
- Zone 21, AEx tb IIIC
- Class I, Division 2
- Group A, B, C, D

Environmental Ratings

- NEMA 6/6P
- IP 67/68

Electrical Ratings

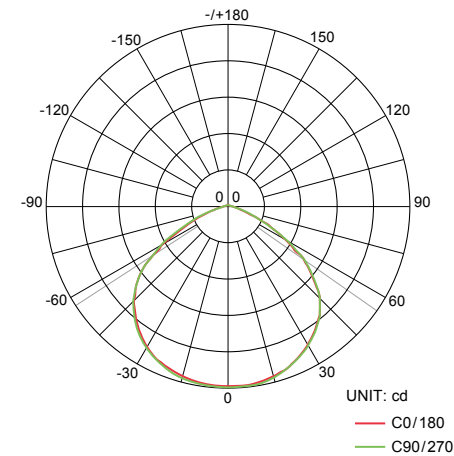
Voltage	24V / 110V / 120V / 220V / 277V / 480V AC
Frequency	50Hz / 60Hz
Wattage (Amps)	60W / 65W / 75W / 80W / 95W / 100W 0.125~4.16A
Operating Temperature	-20°C ~ +40°C
Power Factor	> 0.95

Raw Materials

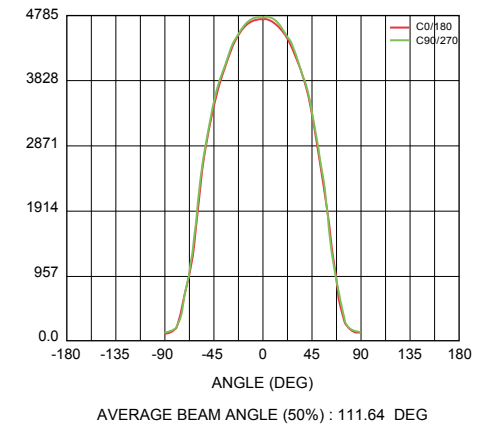
Housing	Aluminum Alloy
Screws	Stainless Steel
Tempered Glass	IEC Standards impact-resistant > 4 Joule

NOM This product is in compliance with NOM regulations.

Polar Luminous Intensity Distribution



Luminous Intensity Distribution Diagram



Optical Information

CCT	3000K ± 10% (Warm White) 5000K ± 10% (Cool White)
CRI	> 80 (Warm White) > 70 (Cool White)
Lum / Watt.	≧ 90 (Warm White) ≧ 100 (Cool White)
Beam Angle	≧ 110° (Warm White) ≧ 110° (Cool White)
IES Files	Available upon request

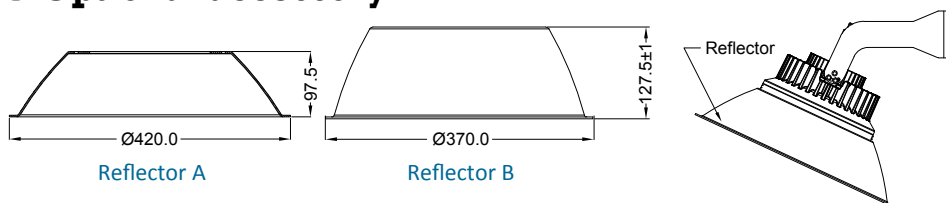
Applicable Area

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

● **Standard Product**

Dimensions and Mounting (Mounting Code)		
<p>Hanging Mount 25° (H25) [Pendant Mount]</p>	<p>Hanging Mount 90° (H90) [Pendant Mount]</p>	<p>Tripod Adjustable (TA)</p>
<p>Wall Mount 25° (W25)</p>	<p>Wall Mount 90° (W90)</p>	<p>Ceiling (C90)</p>

● **Optional accessory:**





● **Standard Product**

Dimensions and Mounting (Mounting Code)		
<p>Stanchion 25° (S25) [Bending Electrical Tube]</p>	<p>Stanchion 90° (S90) [Bending Electrical Tube]</p>	<p>Rotatable (RO)</p>
<p>Straight Electrical Tube (P90)</p>	<p>Long Adjustable (LA) Height and angle adjustable</p>	

▶ Please refer to Page 91, 92 for part number

Part Number

• W.W.: 3000K±10% • C.W.: 5000K±10%



Model No.	Certifications	Watt.	Volt.	Color	Part Number
L1102	 <ul style="list-style-type: none"> • NFPA 70 (UL844) Class I, Division 1 Group B, C, D • NFPA 70 (UL60079) Zone 1, AEx d IIB+H₂ Zone 21, AEx tb IIIC • UL1598 • Class I, Division 2 Group A, B, C, D 	60W	120V	Class I, Div. 1 (UL844)	W.W. THT-2LA60WZ5*W1102
				C.W. THT-2LA60WZ5*C1102	
			277V	Zone 1, Zone 21 (UL60079)	W.W. THT-2LA60Wd5*W1102
				C.W. THT-2LA60Wd5*C1102	
			480V	Class I, Div. 2 (UL844)	W.W. THT-2LA60WZ4*W1102
				C.W. THT-2LA60WZ4*C1102	
		65W	120V	Class I, Div. 2 (UL844)	W.W. THT-2KA65WZ4*W1102
				C.W. THT-2KA65WZ4*C1102	
		277V	75W	Class I, Div. 2 (UL844)	W.W. THT-2KA75WZ4*W1102
				C.W. THT-2KA75WZ4*C1102	
		80W	120V	Class I, Div. 1 (UL844)	W.W. THT-2LA80WZ5*W1102
				C.W. THT-2LA80WZ5*C1102	
			277V	Zone 1, Zone 21 (UL60079)	W.W. THT-2LA80Wd5*W1102
				C.W. THT-2LA80Wd5*C1102	
			480V	Class I, Div. 2 (UL844)	W.W. THT-2LA80WZ4*W1102
				C.W. THT-2LA80WZ4*C1102	
		95W	120V	Class I, Div. 2 (UL844)	W.W. THT-2KA95WZ4*W1102
				C.W. THT-2KA95WZ4*C1102	
	277V	100W	Class I, Div. 1 (UL844)	W.W. THT-2LA100Z5*W1102	
			C.W. THT-2LA100Z5*C1102		
	480V	100W	Zone 1, Zone 21 (UL60079)	W.W. THT-2LA100d5*W1102	
			C.W. THT-2LA100d5*C1102		
	480V	100W	Class I, Div. 2 (UL844)	W.W. THT-2LA100Z4*W1102	
			C.W. THT-2LA100Z4*C1102		
 <p>Ex d IIC T5 Gb Ex tb IIIC T100°C Db</p>	60W (COB)	24V 110V 220V 277V 480V	W.W.	THT-2LA60Wd5*W1102	
			C.W.	THT-2LA60Wd5*C1102	
	80W (COB)	24V 110V 220V 277V 480V	W.W.	THT-2LA80Wd5*W1102	
			C.W.	THT-2LA80Wd5*C1102	
	100W (COB)	24V 110V 220V 277V 480V	W.W.	THT-2LA100d5*W1102	
			C.W.	THT-2LA100d5*C1102	

Ordering information: Part number + mounting code

* — 1:110V 2:220V 3:24V
6:120V 9:277V C:480V

Part Number

• W.W.: 3000K±10% • C.W.: 5000K±10%

Model No.	Certifications	Watt.	Volt.	Color	Part Number
L1102	  <p>Ex db IIC T5 Gb Ex tb IIIC T95°C Db</p>	60W	24V 110V 220V	W.W.	THT-2LA60Wd5*W1102
				C.W.	THT-2LA60Wd5*C1102
		65W	110V 220V	W.W.	THT-2KA65Wd5*W1102
				C.W.	THT-2KA65Wd5*C1102
	75W	110V 220V	W.W.	THT-2KA75Wd5*W1102	
			C.W.	THT-2KA75Wd5*C1102	
	80W	24V 110V 220V	W.W.	THT-2LA80Wd5*W1102	
			C.W.	THT-2LA80Wd5*C1102	
	95W	110V 220V	W.W.	THT-2KA95Wd5*W1102	
			C.W.	THT-2KA95Wd5*C1102	
	100W	24V 110V 220V	W.W.	THT-2LA100d5*W1102	
			C.W.	THT-2LA100d5*C1102	