

# L1601C

## Hazardous Location LED Lighting



**Broad reflector**

**Narrow reflector**

Net Weight: S-1.1 kg (2.4 lb) / M-1.6 kg (3.5 lb) / L-2.6 kg (5.7 lb)



### Protection

- Ex nR IIC T6 Gc
- Ex tb IIIC T85°C Db

### Standards

- JNIO SH-TR-46-1
- JNIO SH-TR-46-8
- JNIO SH-TR-46-9
- IEC 60079-0
- IEC 60079-15
- IEC 60079-31

### Light Features

- Light weight
- Provides different mounting option to suits your need
- LED tube light suitable for food process illumination

## Technical Data

Rated Voltage (±10%)	110V / 220V / 277V AC			
Watts (±10%)	S : 10W / M : 20W / L : 40W			
Amps	10W 110V: 0.09A, 220V: 0.05A, 277V: 0.04A / 20W 110V: 0.18A, 220V: 0.09A, 277V: 0.07A / 40W 110V: 0.36A, 220V: 0.18A, 277V: 0.15A			
Color of LED Light	3000K (Warm White) / 5000K (Cool White)			
Ambient Temperature	-25°C ~ +55°C, T6			
Power Factor	cos ≥ 0.9			
CRI	Cool White ≥ 70 / Warm White ≥ 80			
Lumen (±10%)	SMD	10W	20W	40W
	3000K	900lm	1800lm	3600lm
	5000K	1000lm	2000lm	4000lm
Beam Angle	x-113° / Y-145° (without reflector) x-116° / Y-119° (with broad reflector) x-114° / Y-141° (with narrow reflector)			
Frequency	50 / 60 Hz			
Degree of Protection	IP68 / NEMA 6P			
Material	<ul style="list-style-type: none"> <li>• Enclosure Aluminum alloy</li> <li>• Lighting Tube PC</li> </ul>			
LED Service Life	60,000 hrs			
Entrance Thread	1 × M25			

### Standard Product Length

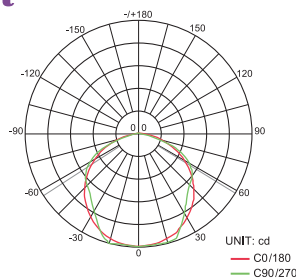
S : 405 mm

M : 655 mm

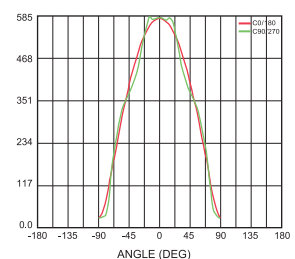
L : 1155 mm

## Optical Report

Polar Luminous Intensity Distribution



Luminous Intensity Distribution Diagram



## Model Code

<b>THT</b>	<b>H</b>	<b>1601</b>	<b>F</b>	<b>N</b>	<b>H</b>	<b>C</b>	<b>9</b>	<b>D0</b>	<b>03</b>	<b>W90R</b>
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Brand, THT=Top Hi-Tech Co, Ltd.

Category of product, H=Hazardous location LED lighting

Model Name, 1601=Model L1601

Lamp Length, D=Short size (1 ft), E=Middle size (2 ft), F=Long size (4 ft)

Type of top cover, N=No top cover exist

Type of LED module, H=SMD type LED bar

C.C.T., C=Cool White, W=Warm White

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

Wattage, A0=10W, B0=20W, D0=40W

Serial NO, 03=03 or blank, for marketing purposes and no impact on safety

Mounting bracket type  
W90R=Wall Mount 90°  
H90R=Hanging Mount 90°

## Mounting Option & Dimensions (All in mm)

### Wall Mount 90° (W90R)

**Broad reflector**

Length of A(mm)  
S : 405  
M : 655  
L : 1155

**Broad Reflector** S: 4.5 kg (9.9 lb) M: 5.0 kg (11.0 lb) L: 6.0 kg (13.2 lb)  
**Narrow Reflector** S: 2.8 kg (6.1 lb) M: 3.3 kg (7.2 lb) L: 4.3 kg (9.4 lb)

**Narrow reflector**

Length of A(mm)  
S : 405  
M : 655  
L : 1155

**Broad Reflector** S: 4.5 kg (9.9 lb) M: 5.0 kg (11.0 lb) L: 6.0 kg (13.2 lb)  
**Narrow Reflector** S: 2.8 kg (6.1 lb) M: 3.3 kg (7.2 lb) L: 4.3 kg (9.4 lb)

### Hanging Mount 90° (H90R)

**Broad reflector**

Length of A(mm)  
S : 405  
M : 655  
L : 1155

**Broad Reflector** S: 4.5 kg (9.9 lb) M: 5.0 kg (11.0 lb) L: 6.0 kg (13.2 lb)  
**Narrow Reflector** S: 2.8 kg (6.1 lb) M: 3.3 kg (7.2 lb) L: 4.3 kg (9.4 lb)

**Narrow reflector**

Length of A(mm)  
S : 405  
M : 655  
L : 1155

**Broad Reflector** S: 4.5 kg (9.9 lb) M: 5.0 kg (11.0 lb) L: 6.0 kg (13.2 lb)  
**Narrow Reflector** S: 2.8 kg (6.1 lb) M: 3.3 kg (7.2 lb) L: 4.3 kg (9.4 lb)

### Applicable Area

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