

# L2004 Hazardous Location LED Lighting

PC Tube: Diffuser



PC Tube: Clear



Zone  
2

Zone  
21

Zone  
22

IP67

NEMA  
6

## Protection

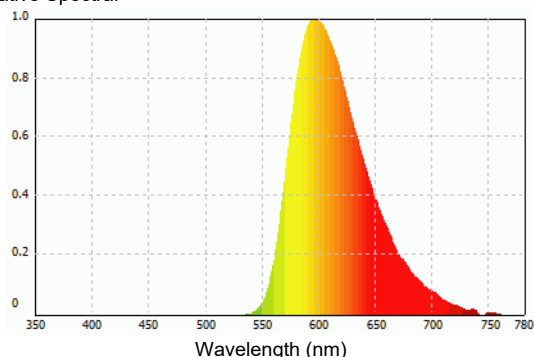
- Ex nR IIC T5...T6 Gc
- Ex tb IIIC T100°C...T85°C Db
- Ex II 3 G Ex nR IIC T5...T6 Gc
- Ex II 2 D Ex tb IIIC T100°C...T85°C Db

## Standards

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

## Yellow Light - Spectral Distribution

Relative Spectral



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



Lighting with Reflector  
>>Diffuser-Yellow Light

## Technical Data

Rated Voltage (±10%)	100V / 110V / 200V / 220V / 277V AC																			
Watts (±10%)	2ft: 20W, 40W / 4ft: 40W, 60W																			
Amps	20W 0.07A~0.20A / 40W 0.14A~0.40A / 60W 0.22A~0.60A																			
Color of LED Light	Yellow / Cool White / Warm White / Green																			
Ambient Temperature	2ft: -25°C ~ +40°C, T5; -25°C ~ +55°C, T5 / 4ft: -25°C ~ +40°C, T6; -25°C ~ +55°C, T5																			
Power Factor	cos≥0.9																			
CRI	Cool White≥70 / Warm White≥80																			
Lm / W (±10%)	<table><tr><td>Color PC Cover</td><td>Yellow</td><td>Cool White</td><td>Warm White</td><td>Green</td></tr><tr><td>Clear</td><td>85 lm/w</td><td>120 lm/w</td><td>108 lm/w</td><td>78 lm/w</td></tr><tr><td>Diffuser</td><td>80 lm/w</td><td>115 lm/w</td><td>102 lm/w</td><td>75 lm/w</td></tr></table>					Color PC Cover	Yellow	Cool White	Warm White	Green	Clear	85 lm/w	120 lm/w	108 lm/w	78 lm/w	Diffuser	80 lm/w	115 lm/w	102 lm/w	75 lm/w
	Color PC Cover	Yellow	Cool White	Warm White	Green															
	Clear	85 lm/w	120 lm/w	108 lm/w	78 lm/w															
	Diffuser	80 lm/w	115 lm/w	102 lm/w	75 lm/w															
Beam Angle	X-113° / Y-145° (without reflector) X-114° / Y-141° (with narrow reflector)																			
Frequency	50 / 60 Hz																			
Degree of Protection	IP67 / NEMA 6																			
Material	<ul style="list-style-type: none"><li>• Enclosure</li><li>• Lighting Tube</li></ul>	Aluminum Alloy PC Cover (Clear or Diffuser)			<b>Standard Product Length</b> 2 ft : 655 mm 4 ft : 1155 mm															
LED Service Life	60,000 hrs																			
Entrance Thread	1 × M25																			

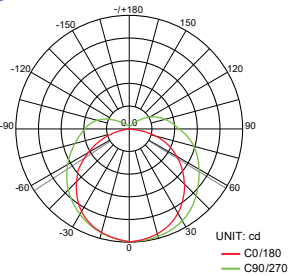
## Standard Product Length

2ft : 655 mm

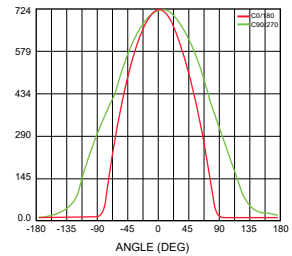
4ft : 1155 mm

## Optical Report

Polar Luminous  
Intensity Distribution



Luminous  
Intensity Distribution Diagram



## Model Code

THT	H	2004	F	N	H	C	9	F0	03	W90R
			①			②	③	④		⑤

### ① Length of LED luminaire

E=Middle size (2ft) (20W / 40W)  
F=Long size (4ft) (40W / 60W)

### ③ Voltage

4=100V, 1=110V  
5=200V, 2=220V, 9=277V

### ⑤ Mounting Bracket Type

W90R=Wall Mount 90°  
H90R=Hanging Mount 90°

### ② C.C.T.

C=Cool White  
W=Warm White  
Y=Yellow Light (Only 110V/220V/277V)  
G=Green Light (Only 220V, 2ft-20W, 4ft-40W)

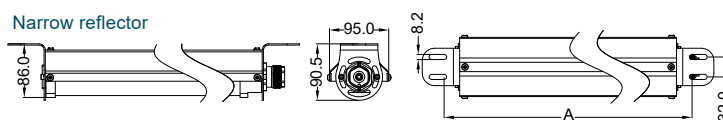
### ④ Wattage

B0=20W (For 2ft only)  
D0=40W (For 2ft and 4ft)  
F0=60W (For 4ft only)

## Mounting Option & Dimensions (All in mm)

### Hanging Mount 90° (H90R)

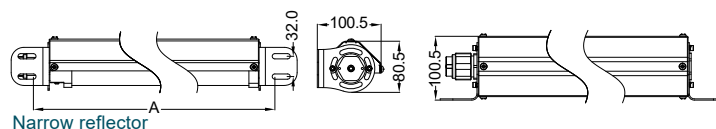
Length of A(mm)  
2ft : 655  
4ft : 1155



Narrow Reflector M: 3.3 kg (7.2 lb) L: 4.3 kg (9.4 lb)

### Wall Mount 90° (W90R)

Length of A(mm)  
2ft : 655  
4ft : 1155



Narrow Reflector M: 3.3 kg (7.2 lb) L: 4.3 kg (9.4 lb)