



**T8 Tube Series**

Length: 1200mm Cover: Diffusion/Clear Model No. MDLHMC T8P18L12-3

**GENERAL SPECIFICATIONS**

- LED Source: SMD 3014
- Chip brand: Lumenmax
- Base: G13
- Dimension: 26\*1198 mm
- Diffuse Material: PC
- Warranty: 5 Years
- Radiator: Aluminum Alloy
- Net Weight for one tube:

MDLHMC-T8P18L12-3
412(g)*3

**ELECTRICAL SPECIFICATION**

- Input voltage range: AC100~277V
- Input current:

AC Input	MDLHMC-T8P18L12-3
110V	0.16A

Input current measurement allowance is  $\pm 5\%$

- Power Consumption:

AC Input	MDLHMC-T8P18L12-3
110V	18W

Power Consumption measurement allowance is 10% (MAX)

- Power factor:

AC Input	MDLHMC-T8P18L12-3
110V	$\geq 0.95$

- Input current total harmonic distortion (A THD):  $< 17\%$
- Power efficiency :  $> 88\%$  @ 45A\*35.2V

**OPTICAL SPECIFICATION**

Beam Angle- 120 Degree:  
(CCT/4000K $\pm$ 250K)

Luminous flux	MDLHMC-T8P18L12-3
lm	1750

Luminous Flux (Typical) measurement allowance is  $\pm 10\%$

Luminous Efficacy @4200K

Luminous Efficacy	MDLHMC-T8P18L12-3
lm/W	97

Luminous Efficacy measurement allowance is  $\pm 3\%$

Correlated Color Temp (CRI): 4100K  
( $> 83$ )

**REGULATION**

- Safety:  
UL CE EMC  
FCC: Part 15
- Electric Class: Class II
- MTBF: 50,000 hrs For LED Module

**ENVIRONMENTAL SPECIFICATION**

- Temperature:

Operating	-20°C ~ 60°C
Storage	-20°C ~ 70°C

- Humidity:

Operating	5% ~ 90%
Storage	10% ~ 90%

- IP Protection: IP40

**FEATURES:**

Design Lights Consortium approved  
Tube Warranty: 5 Years

Lower Power Usage: Just 18 watts vs. 32 watts  
T-8 or 40 watts T-12 fluorescent tubes

Longer Life: 50,000+ hours

Rugged: Much more durable than traditional fluorescent tubes

Easy Installation: Retrofit into existing fluorescent fixtures in as little as 15 minutes per fixture

**BENEFITS:**

Cost Savings: Save up to 70% from traditional T-12 fluorescent tubes

Rebates: Since the IMC LEDs are DLC approved you will be able to receive the maximum rebates from your power company.

Durable Tubes: These tubes are resistant to high vibration. Traditional fluorescent tubes are extremely delicate compared to IMC LEDs

No Radiation: No UV or IR, no RFI, EMI, HD problems as with fluorescent's in hospital radiology areas, etc.

Eco-Friendly: No mercury hazard like in fluorescents. All materials are recyclable.

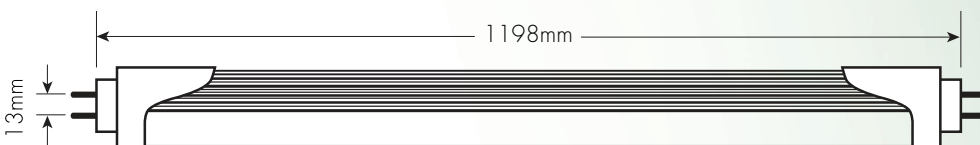
Lower Maintenance Cost: No need to replace tubes as much thus the cost of replacement goes dramatically down.

Immediate Power: No flickering on.

Cool to the Touch: Does not get hot like fluorescent tubes

Cold Operation: IMC LEDs work great in colder temperatures. Cleared for -20 degrees Celsius. Ideal for freezers.

Color: Available in Daylight Light (6,500 K) and Cool Light (4,100 K) colors



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