

iBright™ E58i T8 LED Tube

Economy Version



iBright™ E58i T8 LED Tubes are an economic solution for fluorescent replacements which can be dropped directly into existing T8, T10, T12 fixtures without ballast or starter.

The iBright™ E58i utilizes 5050 SMD LED diodes, and a clear lens to maximize lumen output.
The lamp can produce illuminance equivalent to that from a fluorescent tube while using less than 50% of the energy.

The iBright™ E58i comes with a UL listed external power supply, input voltage 100-277VAC. This external placement of the power supply plays a large part in the excellent thermal properties of the iBright™ E58i.

The lamp uses a patented solution for heat management which is designed for quick and efficient dissipation of heat from the LED chip to the air. With the reduction in heat buildup, the life span of the lamp increases, and performance stabilizes at an optimal level.





Features:

- Economic product; highly cost-effective;
- Maximum lumen output with utilization of a clear lens;
- Higher Brightness (1.2m, Typ. 1500lm);
- Stable performance due to external power supply;
- 50% savings in energy over traditional fluorescent tubes;
- Good light quality;
- Minimum maintenance costs;
- Good heat dissipation;
- Green and eco-friendly lighting source without use of mercury.



Ordering Information

Part Number	Description	Unit
HFL-8040W-060605-00	G5 EPS, Warm White (2800-3200K), 40LEDs, 0.6m, Max. 36VDC, 120 degree, Clear Lens	pcs
HFL-8080W-120605-00	G5 EPS, Warm White (2800-3200K), 80LEDs, 1.2m, Max. 36VDC, 120 degree, Clear Lens	pcs
HFL-8100W-150605-00	G5 EPS, Warm White (2800-3200K), 100LEDs, 1.5m, Max. 36VDC, 120 degree, Clear Lens	pcs
HFL-8040M-060605-00	G5 EPS, Natural White (4250-4750K), 40LEDs, 0.6m, Max. 36VDC, 120 degree, Clear Lens	pcs
HFL-8080M-120605-00	G5 EPS, Natural White (4250-4750K), 80LEDs, 1.2m, Max. 36VDC, 120 degree, Clear Lens	pcs
HFL-8100M-150605-00	G5 EPS, Natural White (4250-4750K), 100LEDs, 1.5m, Max. 36VDC, 120 degree, Clear Lens	pcs
HFL-8040N-060605-00	G5 EPS, Cool White (5500-6500K), 40LEDs, 0.6m, Max. 36VDC, 120 degree, Clear Lens	pcs
HFL-8080N-120605-00	G5 EPS, Cool White (5500-6500K), 80LEDs, 1.2m, Max. 36VDC, 120 degree, Clear Lens	pcs
HFL-8100N-150605-00	G5 EPS, Cool White (5500-6500K), 100LEDs, 1.5m, Max. 36VDC, 120 degree, Clear Lens	pcs

Technical Specifications

Physical Specifications

Length	600 mm (1.96 ft)	1200 mm (3.93 ft)	1500 mm (4.92 ft)
Weight	220g	430g	520g
Housing	Aluminum		
Cover	Clear PC		
Tube Diameter	T8		
Base Type	G13		
Work Environment	Indoor use (applicable for dry environment)		

Electrical Specifications

	600 mm (1.96 ft)	1200 mm (3.93 ft)	1500 mm (4.92 ft)
LED Quantity	40LEDs	80LEDs	100LEDs
Power Consumption	9W±2W	17W±2W	21W±2W
Input Voltage	Max.36VDC （Input Voltage of External Power Supply: 100-277VAC）		
Power Factor	>0.95		
Lighting Source	SMD LEDs		
Operation Temperature	-20-40℃ (-4-104℉)		

Optical Specifications

	600 mm (1.96 ft)	1200 mm (3.93 ft)	1500 mm (4.92 ft)
Luminous Flux	725-775 lm	1450-1550 lm	1800-1950 lm
Luminous Flux (Emergency) *	505-540 lm	1015-1085 lm	1080-1170 lm
Luminous Efficacy	85 lm/W		
Color Temperature	Warm White: 2800-3200 K Natural White: 4250-4750 K Cool White: 5500-6500 K		
CRI	>80		
Beam Angle	120°		

*For more information about emergency application, please check the catalog for ATG Emergency Driver.

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