

Eco-friendly, absolutely green

Adopting solid state lighting technology, iBright™ E25i is a green product, and safe to environment.

	iBright™ E25i (1.2m)	Conventional Fluorescent Lights
Power consumption	18W	40W
Life span	50,000 hours	9,000~15,000 hours
Radiation	RoHS compliant	UV, IR, ,
Toxicant	RoHS compliant	Toxic phosphor powders, Mercury (Hg), Lead (Pb)
CO ₂ emission	Low	High
Heat damage	No	High
Fragile	Durable, Aluminum Housing and PC Cover	Fragile Glass
Burn out failure	No	Yes
Flicker	Never	Frequently
Light wasted on reflector	No	High
Buzzing	No	Yes
EMI emissions	No, friendly to electronic equipment	Yes, harmful to electronic equipment
Recyclable	Yes	No
Low temperature working environment	Compatible	Incompatible
Ballast needed	No	Yes
Starter needed	No	Yes
Maintenance Fee	Low	High

Part Numbers

Part Number	Description	Unit
HFL-5030N-060601-L3	T5, Natural White, 30LEDs, 0.6m, Max.36VDC, 120 degree, SMD LED, Dotted Lens, EPS	pcs
HFL-5060N-120601-L3	T5, Natural White, 60LEDs, 1.2m, Max.36VDC, 120 degree, SMD LED, Dotted Lens, EPS	pcs
HFL-5081N-060601-L3	T5, Natural White, 81LEDs, 1.5m, Max.36VDC, 120 degree, SMD LED, Dotted Lens, EPS	pcs

Technical Specifications

Physical Specifications

	HFL-5030N-060601-L3	HFL-5060N-120601-L3	HFL-5081N-060601-L3
Dimension	600 mm (1.96 ft)	1200 mm (3.93 ft)	1500 mm (4.92 ft)
Weight	141.5g	278g	358.5g
Housing	Aluminum		
Cover	PC		
Tube Diameter	T5		
Base Type	G5		
Work Environment	Indoor use (applicable for dry environment)		

Electrical Specifications

	HFL-5030N-060601-L3	HFL-5060N-120601-L3	HFL-5081N-060601-L3
LED Quantity	30 LEDs	60 LEDs	81 LEDs
Power Consumption	11W ±2W	20W ±2W	30W ±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°C (-4~104°F)		

Optical Specifications

	HFL-5030N-060601-L3	HFL-5060N-120601-L3	HFL-5081N-060601-L3
Lumens	650~680 lm	1200~1300 lm	1700~1800 lm
Color Range	White		
Color Temperature	6000~6500K		
CRI	>75		
Beam Angle	120°		
Lumen Maintenance	>98%@1,000hrs		

Matching External Power Supply

iBright™ E25i EPS	Matching External Power Supply
HFL-5030N-060601-L3	HPS-FL270-360000-00 (Output: 270mA, Max.36VDC)
HFL-5060N-120601-L3	HPS-FL540-360000-00 (Output: 540mA, Max.36VDC)
HFL-5081N-150601-L3	HPS-FL810-360000-00 (Output: 810mA, Max.36VDC)