

iBright™

T8s LED Fluorescent Lights

"The government says that if every American home replaced one light bulb with a compact fluorescent light bulb, we could save enough energy to prevent greenhouse gases equal to the emissions of more than 800,000 cars. Certainly great news, yet recycling burned-out CFL light bulbs poses a quandary for homeowners." -The Dallas Morning News, April 17, 2008

The lighting revolution is coming!

iBright™ T8s LED Fluorescent Lights are the next generation solution to replace conventional fluorescent light. They feature higher efficiency, more reliability compared to the previous generation. They are well-suited for use anywhere, homes, offices, museums, galleries, shop windows, hotels, restaurants, meeting rooms, just like conventional fluorescent lights.

With patented thermal control technology, and special designed aluminum housing, iBright™ T8s substantially achieves good thermal property and plays more stable performance and of course will last up to 50,000 hours compared to 5,000 hours from conventional fluorescent lights.

iBright™ T8s adopts high efficient SMD LEDs, which makes them produce equivalent light intensity of 50 watts fluorescent lights at only 25 watts consumption (1.5m). They can directly drop into existing T8 sockets, no need of ballast and starter.

iBright™ T8s is patent pending product; while the original chip and phosphor coating adopted for LEDs are both patented. So you do not need worry about patent infringement.

iBright™ T8s are available in EPS version (External Power Supply) and IPS version (Integrated Power Supply).

iBright™ T8s is CE approved and RoHS compliant. Just choose iBright™ T8s for illumination lighting, task lighting, display lighting and back lighting.



Features & Benefits:

- Good light quality and good heat dissipation;
- High reliability;
- Low maintenance cost;
- Easy installation with no ballast & starter needed;
- Energy saving with low power consumption;
- Green and eco-friendly lighting source without mercury.

Recommended Applications:

- Illumination lighting for homes, offices, restaurants, hotels, malls, buses, trains, warehouses, parking lots etc;
- Task lighting for cabinets, cupboards etc in your homes, restaurants, and kitchens or any other places where accent lighting is required.
- Display lighting for the articles in your stores and shops;
- Back lighting for square billboards or advertisement boards.

iBright™ T8s for Illumination Lighting



SMD LED lighting source enables iBright™ T8s to save at least 80% energy use versus conventional fluorescent lights, which would be an energy savings of incredible magnitude from a global perspective. iBright™ T8s is worth the extra dough thanks to high reliability and longer life. Saving much off your energy bill and maintenance cost, why not iBright™ T8s? Get it real.



iBright™ T8s for Task lighting



Task lighting is required for visually intensive activities, such as reading, writing or some kitchen countertop activities. Good light quality of iBright™ T8s makes your task lighting more effective. No more so many wasteful overhead luminaries to be used for your task lighting purpose. Only locating iBright™ T8s underneath your cabinets, shelves, office cubicles etc, you can achieve an ideal task lighting. Furthermore, the linear profile of iBright™ T8s is also unobtrusive to the design environment.



iBright™ T8s for Display lighting



Good light quality and low heat generation makes iBright™ T8s an “green” alternative for display lighting. No longer worried about heat damage to your valuable articles displayed in your counter. Of course, you will also be surprised at the ideal display effect brought by good light output of iBright™ T8s.



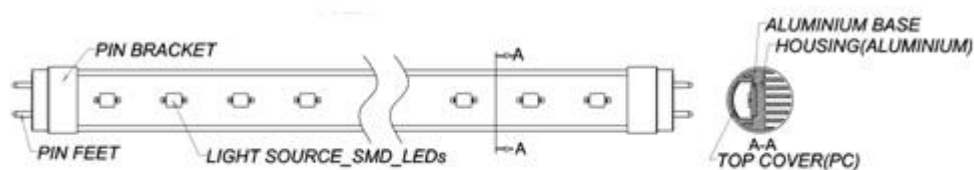
iBright™ T8s for Back Lighting



iBright™ T8s is an excellent candidate for square large-area back lighting. Only a relatively small quantity of iBright™ T8s dropped in, a large billboard or advertising board can be well illuminated for your business purpose of improving products or brands fame. With installation cost and time saved, meanwhile iBright™ T8s helps you to explore the best advertising effect as well.



Physical Dimensions



Part Numbers

Part Number	Description	Unit
HFL-8030N-060601-L3	T8, Natural White, 30LEDs, 0.6m, Max.36VDC, 120 degree, SMD LED, Dotted Lens, EPS	pcs
HFL-8030N-060602-H2	T8, Natural White, 30LEDs, 0.6m, 240VAC, 120 degree, SMD LED, Dotted Lens, IPS	pcs

*12VDC Input Version is also available by request.

Technical Specifications

Physical Specifications

Dimension	L600*D26 mm (L1.96*D0.085 ft)
Weight	380 g
Housing	Aluminum
Socket Type	T8
Work Environment	Indoor use (applicable for dry environment)

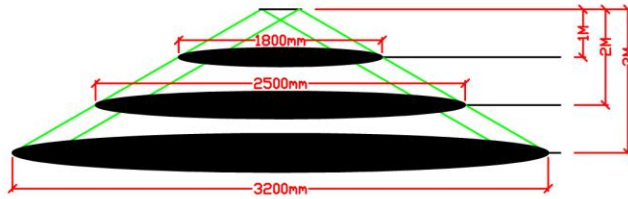
Electrical Specifications

	HFL-8030N-060601-L3	HFL-8030N-060602-H2
Input Voltage	Max.36VDC (Input Voltage of External Power Supply: 100~240VAC)	190~240VAC
Power Consumption	9W ± 1W	
Lighting Source	SMD LEDs	
LED Quantity	30 LEDs	
Operation Temperature	-20~40°C (-4~104°F)	

Optical Specifications

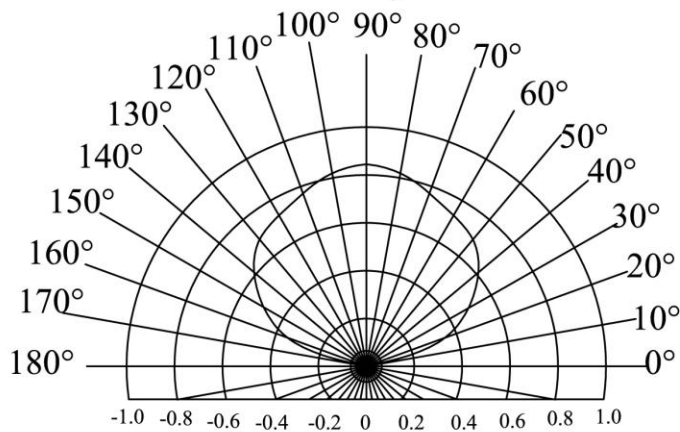
Color Range	White
Lumens	650~800lm
Luminous Efficacy	65~80 lm/W
Color Temperature	6000~6500K
CRI	>75
Beam Angle	120°
Lumen Maintenance	>95% @ 1,000hrs

photometric



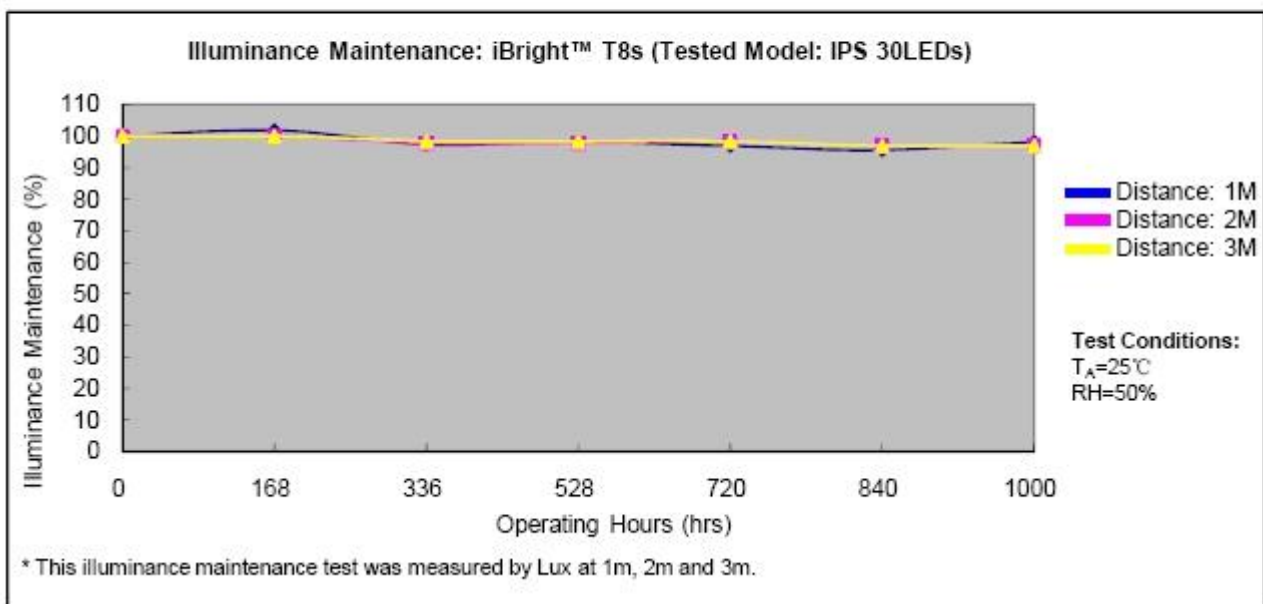
Distance(m)	Illumination of the center (LUX)
1	210
2	89
3	30

Relative Luminous Intensity



Illuminance Maintenance

Operating Hours (hrs)	0	168	336	528	720	840	1000
Illuminance Maintenance (%) @ 1 meter	100	101.8	97.4	98.2	96.9	95.6	98.2
Illuminance Maintenance (%) @ 2 meter	100	100	97.7	97.7	98.4	96.9	96.9
Illuminance Maintenance (%) @ 3 meter	100	100	98.4	98.4	98.4	96.9	96.9



Part Numbers

Part Number	Description	Unit
HFL-8060N-120601-L3	T8, Natural White, 60LEDs, 1.2m, Max.36VDC, 120 degree, SMD LED, Dotted Lens, EPS	pcs
HFL-8060N-120602-H2	T8, Natural White, 60LEDs, 1.2m, 240VAC, 120 degree, SMD LED, Dotted Lens, IPS	pcs

*AC Input and 12VDC Input Version are also available by request.

Technical Specifications

Physical Specifications

Dimension	L1200*D26 mm (L3.93*D0.085 ft)
Weight	760 g
Housing	Aluminum
Socket Type	T8
Work Environment	Indoor use (applicable for dry environment)

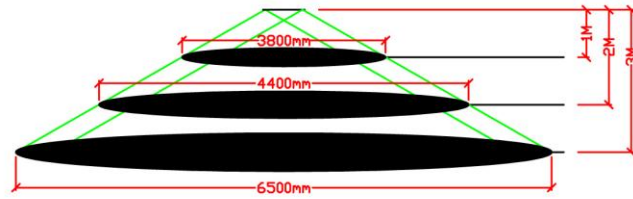
Electrical Specifications

	HFL-8060N-120601-L3	HFL-8060N-120602-H2
Input Voltage	Max.36VDC (Input Voltage of External Power Supply: 100~240VAC)	190~240VAC
Power Consumption	18W ± 1W	
Lighting Source	SMD LEDs	
LED Quantity	60 LEDs	
Operation Temperature	-20~40°C (-4~104°F)	

Optical Specifications

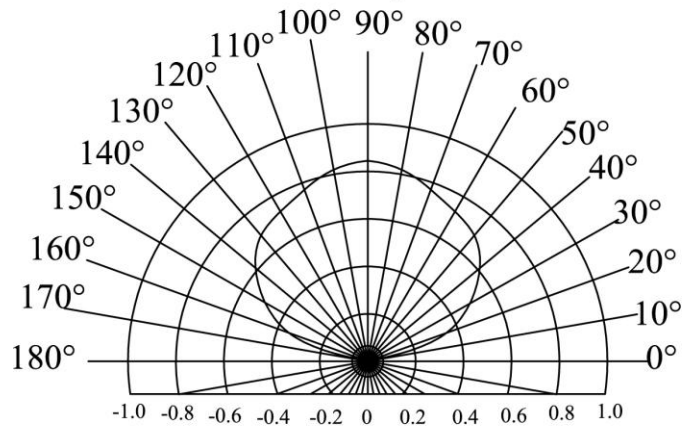
Color Range	White
Lumens	1200~1400lm
Luminous Efficacy	60~70 lm/W
Color Temperature	6000~6500K
CRI	>75
Beam Angle	120°
Lumen Maintenance	>95%@1,000hrs

photometric



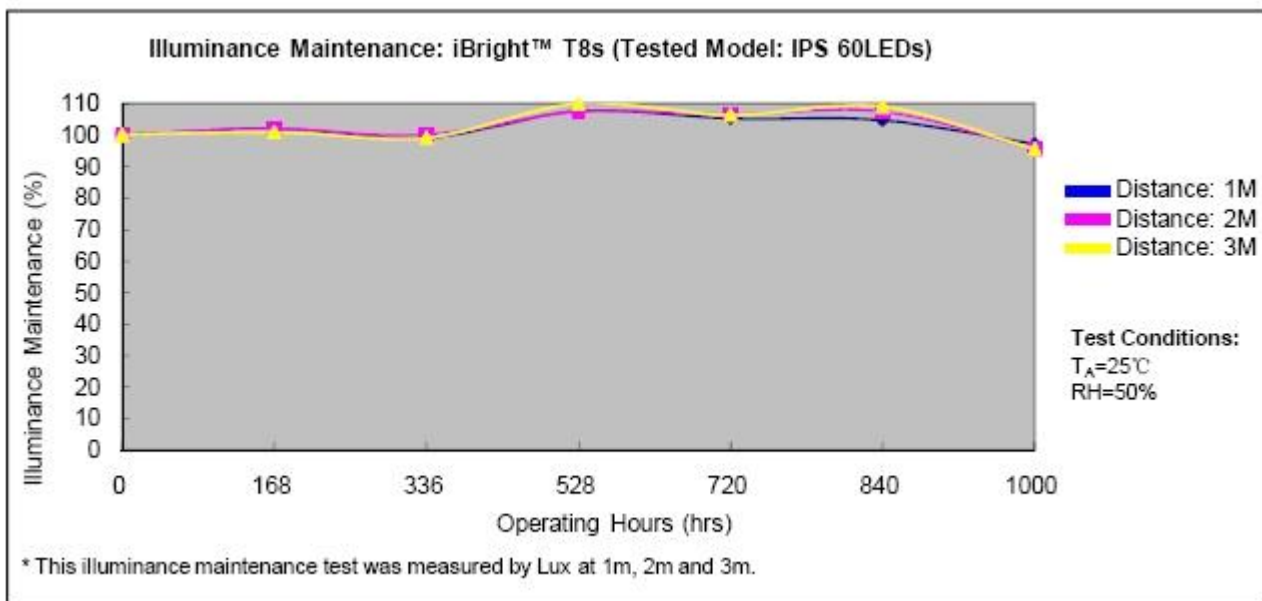
Distance(m)	illumination of the center (LUX)
1	323
2	104
3	53

Relative Luminous Intensity



Illuminance Maintenance

Operating Hours (hrs)	0	168	336	528	720	840	1000
Illuminance Maintenance (%) @ 1 meter	100	102	99.1	107.6	105.3	104.7	97.1
Illuminance Maintenance (%) @ 2 meter	100	101.9	100	107.4	106.5	107.4	95.4
Illuminance Maintenance (%) @ 3 meter	100	100.9	99.1	109.9	106.3	109	95.5



Part Numbers

Part Number	Description	Unit
HFL-8081N-150601-L3	T8, Natural White, 81LEDs, 1.5m, Max.36VDC, 120 degree, SMD LED, Dotted Lens, EPS	pcs
HFL-8088N-150602-H2	T8, Natural White, 88LEDs, 1.5m, 240VAC, 120 degree, SMD LED, Dotted Lens, IPS	pcs

Technical Specifications

Physical Specifications

Dimension	L1500*D26 mm (L4.92*D0.085 ft)
Weight	1000 g
Housing	Aluminum
Socket Type	T8
Work Environment	Indoor use (applicable for dry environment)

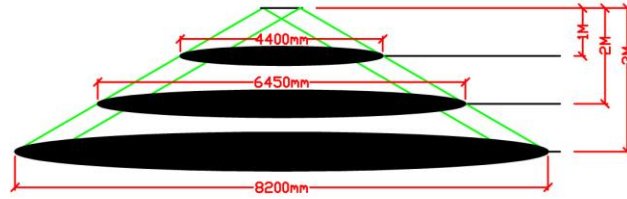
Electrical Specifications

	HFL-8081N-150601-L3	HFL-8088N-150602-H2
Input Voltage	Max.36VDC (Input Voltage of External Power Supply: 100~240VAC)	190~240VAC
LED Quantity	81 LEDs	88 LEDs
Power Consumption	25W ± 1W	
Lighting Source	SMD LEDs	
Operation Temperature	-20~40°C (-4~104°F)	

Optical Specifications

Color Range	White
Lumens	1800-2000lm
Luminous Efficacy	75 lm/W
Color Temperature	6000~6500K
CRI	>75
Beam Angle	120°
Lumen Maintenance	>95%@1,000hrs

photometric



Distance(m)	illumination of the center (LUX)
1	335
2	121
3	51

Relative Luminous Intensity

