



ATG ELECTRONICS

# iBright™

T8 LED Fluorescent Light



ATG Electronics® iBright™ T8 LED Fluorescent Light is enclosing LEDs into the glass tube housing to emit light like the conventional T series fluorescent light. It is a general illumination for using in RVs, Buses, Trains, Task Lighting, Store Displays, Warehouse Illumination and Under Cabinets.

#### Benefits

- High Brightness
- Easy Installation
- Extended Life
- Humidity / Moisture Resistant
- Energy Saving



**ATG**  
Electronics Corp.

Light your world  
Color your life!

## iBright™ at home



Choose iBright™ T8 LED Fluorescent Light, the Energy Star, to light up your home. Living room, bedroom, kitchen, passage... You will find the right places for the innovational lighting fixtures. Save your money today, give your family a green light.

## iBright™ in supermarkets

Are you suffering high energy cost everyday consumed in your supermarket?

iBright™ T8 LED Fluorescent Light will give you a solution.

Replace your conventional lighting fixtures with LEDs.

Save your money today!



## iBright™ in warehouses, workshops and offices



Pay less to get equal lighting intensity? iBright™ T8 LED Fluorescent Light will give you a positive answer. Save your operation cost and make your products more competitive.



## iBright™ in stores



Are you seeking a 24VDC input fluorescent lights to light your counter? iBright™ T8 LED Fluorescent Light will be the ideal candidate! A safe and economy solution!

## iBright™ in buses, trains

A new lighting revolution is here! You will find them in buses or trains tomorrow.



Elsewhere can you find the iBright™ T8 LED Fluorescent Light to be used?

## Part Numbers

Part Number	Description	Unit
HFL-8342N-150550-H1	T8, Natural White, 342LEDs, 4.92 ft, 120VAC, 110 degree, Glass Tube	pcs
HFL-8342N-150550-H2	T8, Natural White, 342LEDs, 1.5m, 240VAC, 110 degree, Glass Tube	pcs
HFL-8342N-120550-H1	T8, Natural White, 342LEDs, 3.93 ft, 120VAC, 110 degree, Glass Tube	pcs
HFL-8342N-120550-H2	T8, Natural White, 342LEDs, 1.2m, 240VAC, 110 degree, Glass Tube	pcs
HFL-8276N-120550-H1	T8, Natural White, 276LEDs, 3.93 ft, 120VAC, 110 degree, Glass Tube	pcs
HFL-8276N-120550-H2	T8, Natural White, 276LEDs, 1.2m, 240VAC, 110 degree, Glass Tube	pcs
HFL-8174N-060550-H1	T8, Natural White, 174LEDs, 1.96 ft, 120VAC, 110 degree, Glass Tube	pcs
HFL-8174N-060550-H2	T8, Natural White, 174LEDs, 0.6m, 240VAC, 110 degree, Glass Tube	pcs

\* Plastic tube available by request.

\* Red+Blue color for plant growth and other color available by request.

## Technical Specifications

### Physical Specifications

Length	1500mm (4.92 ft) or 1200mm (3.93 ft) or 600mm (1.96 ft)
Housing	Glass Tube (Plastic Tube is available as per request)
Socket Type	T8
Work Environment	Indoor use, applicable for dry environment

### Electrical Specifications

Part Number	LED Quantity	Power Consumption	Input Voltage	Lighting Source	Operation Temperature
HFL-8342N-150550-H1	342LEDs	15W	120VAC	High Intensity LEDs	-37°C ~55°C (-34.6°F ~131°F)
HFL-8342N-150550-H2			240VAC		
HFL-8342N-120550-H1	342LEDs	15W	120VAC		
HFL-8342N-120550-H2			240VAC		
HFL-8276N-120550-H1	276LEDs	13W	120VAC		
HFL-8276N-120550-H2			240VAC		
HFL-8174N-060550-H1	174LEDs	8W	120VAC		
HFL-8174N-060550-H2			240VAC		

### Optical Specifications

Part Number	Lumens	Efficiency	Color	Beam Angle	Color Temperature
HFL-8342N-150550-H1	1368 lm	91 lm/W	White	110 Degree	3000-8000K
HFL-8342N-150550-H2					
HFL-8342N-120550-H1	1368 lm	91 lm/W			
HFL-8342N-120550-H2					
HFL-8276N-120550-H1	1104 lm	85 lm/W			
HFL-8276N-120550-H2					
HFL-8174N-060550-H1	696 lm	87 lm/W			
HFL-8174N-060550-H2					

### Comparison between ATG Electronics ® iBright™ T8 LED Fluorescent Light with Conventional Fluorescent Light

	LED Fluorescent Light	Conventional Fluorescent Light
Wattage	15W	40W
Life Span	>50,000 hours	8000-10,000 hours
Ballast needed	No	Yes
Starter needed	No	Yes
Actual Power Consumption	18W-20W	44W
Heat Generation	Low	High
Radiation	No	Mercury vapor contained
Maintenance Fees	No	High
Environmental Pollution	No	High



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