

**HYLITE™**  
LED Lighting

**LED**  
**OptiMax™**  
High Performance Tube Lights

**44W**  
Fluorescent  
Equivalent

HyLite LED OptiMax™ Tube Lights - Up to 50,000 hour Rated Performance Life. Outstanding Quality of Light with Energy Savings of **90%** over Incandescent and up to **60%** over Fluorescent Tube and CFL.

Type A Type B

**Multi-Mode, Plug N' Play, 18W LED T8 Tube Lights**

- Multi-mode: Ballast Compatible (*Check the Ballast Compatibility List on last page*) or AC Direct (120~277V AC). Works with Single-end (either side) and/or Double-end Power Input.
- Save Labor and Maintenance: Works with Shunted or Non-Shunted Tombstones: No Rewiring Necessary!
- True, Plug & Play - Direct Install. Replace Fluorescent Tube with the Ballast or by removing the Ballast. It's that simple.
- Easy Installation: Replaces T8 & T12 Fluorescent Tube Lights in new or existing Fixtures. Compatible with Motion Controls & Sensors
- Ultra-efficient illumination with the highest luminous efficacy in its class of up to 125 lpw. Maintains more than 85% of its Initial Lumens throughout its lifespan.
- 320° Beam Angle provides Uniform Light Distribution over a Wide Area
- Universal Voltage: 120~277V AC. Suitable for Dry or Damp Location
- Ultra Long Life: Up to 50,000 hours; this translates to over 15 years (at an on-time of 9 hrs./day). Compare that with the Traditional Fluorescent Tube Lights that would need to be replaced every few years.
- Instantaneous "On/Off": Starts right away, no matter the Temperature or Humidity conditions. Over their Lifespan, the Light Degrades by only 15%, typically near the end of its life.
- HyLite LED Tube Lights run Cool and do not add to the Heat Load in the Building. They run at only 95°F (35°C). Traditional Fluorescent Tube Lights can run up to 180°F (82°C). In hotter climates, HyLite LED Tube Lights can save between 20-25% on Cooling Bills due to a reduced HVAC Load.
- No RF or Radiated EMI Interference: Perfect for settings where Sensitive Instruments can be disturbed by Fluorescent Lighting. No UV Emissions - Does Not attract Bugs or Insects
- Flicker-free Lighting: Constant, Seamless Light eliminates Eye Strain and Headaches associated with Fluorescent Lighting. Pleasant Light showing True Colors. CRI >80
- Proprietary Optical Design. Shatter-proof, Coated Glass Tube provides Greater Transparency and Lower Thermal Conductivity
- Enhances Vision: Zero Dark Spots for greater Visibility and Safety
- Withstands Extreme Hot and Cold Temperatures: -4°F~-113°F (-20°C~-45°C)
- RoHS Compliant: No Lead, Mercury, Toxic Gases or any Hazardous Materials. Facilitates LEED® points
- Environmentally Friendly: 98% of the HyLite LED Tube Light is Recyclable
- Safe and Reliable: Isolated Circuit Design. UL & CE Certified
- Low Total Cost of Ownership. Shortest Payback Period and High ROI

The Most Versatile LED Tube Light in the Industry!



Patented & Proprietary Technology - No Color Shifting through out its Life



Energy 60%	High Efficacy 125 lpw	>50000 Hours	CRI (Ra) >83	Angle 320°
THD <20%	Multiple CCT	Minimal Heat	PF >0.96	100-277V

**Applications :**

- Office Lights
- Lab and Clean Room
- Food Plants
- Hospitality
- Warehouses
- Kitchen Lighting
- Computer and Equipment Rooms
- Hospitals
- Pharma Plants
- Data Centers
- Store Displays
- Supply Rooms
- Utility Rooms

98% RECYCLABLE  
NO LEAD, MERCURY, HEAVY METALS OR TOXIC GASES



**Proprietary Technology Reduces:**

- Energy Costs
- Bulb and Ballast Replacement Costs
- Re-Lamping and Lamp Disposal Issues
- Costly Equipment Rental
- Pollution: No Mercury, Lead or Toxic Gases Contamination

<b>Longer Life</b> Up to 50,000 Hours	<b>Energy Costs</b> Reduction of up to 60%	<b>Power</b> Low Consumption	<b>Beam Angle</b> Wide & Uniform	<b>Lumen Efficacy</b> 125 lpw LM-79 Tested	<b>No IR/UV</b> No Noise	<b>No EMI / RFI</b> Zero Interference	<b>Solid State</b> Vibration and Shock Resistant	<b>Reliability</b> LM-80 Tested ISTMT Tested	<b>Warranty</b> 5 years
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Model	Watts	CCT	Lens Type	Lumens	Efficacy	Fluorescent Equivalent	Energy Savings*	Dimensions & Weight (Each)			Case Qty.	Case Weight
								Length	Diameter	Weight		
HL-GT8-4AB-18W-40K	18W	40K	Frosted	2200	122 lpw	44W	59%	4 ft.	1.15"	8 oz.	30	18 lb.
HL-GT8-4AB-18W-50K		50K		2250	125 lpw		60%	(121cm)	(29mm)	(22g)		(8 Kg.)

\* Does not include Ballast Loss, Maintenance, Replacement Lamp Savings and Disposal Costs which amount to an additional Savings of 30% or more!

CRI: >83	Beam Angle: 320°	Power Factor: >0.96	Input Voltage (V): AC:100-277V, 50/60Hz
THD: <20%	IP Rating: 42	Humidity Range: 10%~90%	Ambient Working Temperature: -4°F~140°F (-20°C~60°C)
(CCT): 4000K = Neutral White	5000K = Daylight		

### Warning - Important Safety Instructions

- Read and Understand the detailed Installation Instructions before installing the HyLite OptiMax™ LED T8 Tube Light.
- HyLite OptiMax™ LED T8 Tube Lights are not Dimmable. Do not use with Dimmers.
- HyLite OptiMax™ LED T8 Tube Lights are designed to work with Electronic Ballasts or AC Direct Wire. Risk of Fire or Electric Shock. Read and Understand all Installation Instructions before installing HyLite OptiMax™ LED T8 Tube Lights. Use in Dry or Damp locations only. Do not use where directly exposed to water or weather. Non-submergible (not water tight).
- **Risk of Fire or Electric Shock.** Before Installation, check Specifications for the most Current Ballast Compatibility List. If the Ballast model does not appear on this List, please **DO NOT** Install, until you check with HyLite. Installing Tube Lights without verifying it against the Ballast Compatible List and without testing the Compatibility will void all Warranties. If not Compatible, insert LED Tubes according to Type B Installation Instructions only. Read and Understand all Installation Instructions before installing HyLite OptiMax™ LED T8 Tube Lights.
- Disable all Power to the Fixture before Inspection, Installation, or Removal. Failure to do so will create a Hazardous and Fatal Working Environment.
- Do Not Make or Alter any Open Holes in an Enclosure of Wiring or Electrical Components during Installation.
- Not Suitable for Use with Dimmer.
- Do Not Open – No User Serviceable Parts inside.

### WARNING:

- a. Risk of Fire or Electric Shock. LED Retrofit Kit Installation requires knowledge of Luminaires Electrical Systems. If not Qualified, DO NOT attempt Installation. Contact a Qualified Electrician.
- b. Risk of Fire or Electric Shock. Install this Kit only in the Luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the Input Rating of the Retrofit Kit does not exceed the Input Rating of the Luminaire.
- c. DO NOT make or alter any open holes in an enclosure of Wiring or Electrical Components during Kit Installation
- d. To prevent Wiring Damage or Abrasion, DO NOT Expose Wiring to edges of Sheet Metal or other Sharp Objects.
- e. Installers should not Disconnect existing Wires from Lampholder Terminals to make new Connections at Lampholder Terminals. Instead Installers should Cut existing Lampholder Leads away from the Lampholder and make new Electrical Connections to Lampholder Lead Wires by employing applicable Connectors.
- f. For a Linear Tubular LED Lamp Conversion, there shall be text or a Diagram showing how the supply Connections were made to the Lampholders so the correct Connections will be made to the Lamp when the Lamp is Installed or Replaced.
- g. This Retrofit Kit is accepted as a component of a Luminaire where the suitability of the combination shall be determined by Authorities having Jurisdiction.

HyLite OptiMax™ LED Tube have been tested for compatibility to work flawlessly with the Ballasts shown above. HyLite is continually testing OptiMax™ LED Tube on various other Ballasts. We will continue to update the Ballast Compatibility List as additional models are tested. Please contact HyLite about any Ballasts not shown on this list.

**Note:** Risk of Fire or Electric Shock. Before Installation, check Specifications for the most Current Ballast Compatibility List. If the Ballast model does not appear on this List, please DO NOT Install, until you check with HyLite. Installing Tube Lights without verifying it against the Ballast Compatible List and without testing the Compatibility will void all Warranties. If not Compatible, insert LED Tubes according to Type B Installation Instructions only. Read and Understand all Installation Instructions before installing HyLite OptiMax™ LED T8 Tube Lights.

Brand	Model	Comments	Brand	Model	Comments
Damar	1688B	One Driver, Two Lamps	Howard Industries	EP2/32IS/MV/MC/HE	One Driver, Four Lamps
	1688D	One Driver, Two Lamps		EP4/32IS/MV/MC/HE	One Driver, Four Lamps
	3654C	One Driver, Three Lamps		EPH4/32IS/MV/SC/HE	One Driver, Four Lamps
EIKO	PM-2X32T8-UNV-IS	One Driver, Two Lamps		EPL2/32IS/MV/MC/HE	One Driver, Two Lamps
	PM-3X32T8-UNV-IS	One Driver, Three Lamps	EPL3/32IS/MV/SC/HE	One Driver, Three Lamps	
	PM-3X32T8-UNV-IS-H	One Driver, Three Lamps	EPL4/32IS/MV/MC/HE	One Driver, Four Lamps	
	PM-4X32T8-UNV-IS	One Driver, Four Lamps	Osram Sylvania	QHE2X32T8/UNV ISN-SC	One Driver, Single Lamp
Espen	VE2P32MVHIPLE	One Driver, Two Lamps		QTP2X32T8/UNV DIM-TC	One Driver, Two Lamps
	VE2P32MVHIPHE	One Driver, Two Lamps		QHE4X32T8/UNV ISN-SC	One Driver, Single Lamp
	VE2P32MVHPPE	One Driver, Two Lamps			One Driver, Two Lamps
	VE2P32MVHIPE	One Driver, Two Lamps		One Driver, Three Lamps	
	VE3P32MVHIPHE	One Driver, Three Lamps		One Driver, Four Lamps	
	VE3P32MVHPPE	One Driver, Three Lamps	QHE2X32T8/UNV-PSN-MC	One Driver, Two Lamps	
	VE3P32MVHIPE	One Driver, Three Lamps	QHE 4*32T8/UNV/ PSX-SC	One Driver, Four Lamps	
	VE4P32MVHIPE	One Driver, Four Lamps	Philips Advance	REB-2P32-N	One Driver, Single Lamp
	VE4P32MVHPPE	One Driver, Four Lamps		ICN-2P32-N	One Driver, Two Lamps
	VE4P32MVHIPHE	One Driver, Four Lamps			One Driver, Single Lamp
	VE4P32MVHIPLE	One Driver, Single Lamp			One Driver, Two Lamps
		One Driver, Two Lamps			One Driver, Two Lamps
		One Driver, Three Lamps			REB-4P32-SC
	One Driver, Four Lamps				One Driver, Two Lamps
	One Driver, Four Lamps				One Driver, Three Lamps
	One Driver, Single Lamp			IOPA-3P32-N	One Driver, Single Lamp
	One Driver, Two Lamps				One Driver, Two Lamps
	One Driver, Three Lamps			One Driver, Three Lamps	
GE	GE132MAXP-L/ULTRA	One Driver, Single Lamp		IOP-4PSP32-LW-SC	One Driver, Single Lamp
	GE232-120RES-B	One Driver, Single Lamp			One Driver, Two Lamps
		One Driver, Two Lamps			One Driver, Three Lamps
	GE432MAXG-N-DIYL	One Driver, Four Lamps			One Driver, Two Lamps
	GE432-120RES-B	One Driver, Four Lamps			One Driver, Three Lamps
	GE332MAX-G-N-DIYB	One Driver, Three Lamps		IOPA-1P32-N	One Driver, Single Lamp
	GE232MAX-N/ULTRA	One Driver, Single Lamp		ICN-2P32-N	One Driver, Two Lamps
		One Driver, Two Lamps		IOP-2P32-N	One Driver, Two Lamps
	GE132MAX-H/Ultra	One Driver, Single Lamp		IOP-4PSP32-SC	One Driver, Four Lamps
	GE232MAX-L/ULTRA	One Driver, Two Lamps		IOPA-3P32-LW-N	One Driver, Three Lamps
	GE232-MV-N	One Driver, Two Lamps		IOPA-4P32-N	One Driver, Four Lamps
	GE232-MVPS-N	One Driver, Two Lamps	TCP	E4P32ISUNVE	One Driver, Four Lamps
	GE232-MV-PS-H	One Driver, Two Lamps		E3P32ISUNVE	One Driver, Three Lamps
	GE232-MVPS-L	One Driver, Two Lamps		E4P32ISUNVHE	One Driver, Four Lamps
	GE332MVPS-XL	One Driver, Three Lamps		Universal	B232/UNVHP-N
	GE432-120-RES	One Driver, Four Lamps			One Driver, Two Lamps
	GE232MAX-G-N	One Driver, Two Lamps	B232PUNVHE-B		One Driver, Single Lamp
	GE332MAX-G-N	One Driver, Three Lamps			One Driver, Two Lamps
	GE 432MAXP-L/ULTRA	One Driver, Four Lamps	B332/UNVHP-A		One Driver, Single Lamp
GE 432MAXP-H/ULTRA	One Driver, Four Lamps		One Driver, Two Lamps		
GE 332MAXP-N/ULTRA	One Driver, Three Lamps		One Driver, Three Lamps		
GE 332MAXP-L/ULTRA	One Driver, Three Lamps		B232/UNVEL-N	One Driver, Single Lamp	
Halco	E432IS/120/R/MC	One Driver, Four Lamps			One Driver, Two Lamps
	EP232IS/MV/HE	One Driver, Two Lamps		B432PUMVHE-A	One Driver, Single Lamp
	EP332IS/MV/HE	One Driver, Three Lamps			One Driver, Two Lamps
	EP332IS/L/MV/HE	One Driver, Three Lamps			One Driver, Three Lamps
	EP432IS/L/MV/HE	One Driver, Four Lamps			One Driver, Four Lamps
Keystone	KTEB-332-UV-IS-N-P	One Driver, Four Lamps			