HyLite™ LED Lighting

LED OptiMax™ High Performance Tube Lights

32W 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 **63%** over Fluorescent Tube and CFL.

Type A | **Type B**

Multi-Mode, Plug N' Play, 12W 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 150 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~140°F (-20°C~60°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

DLC QPL LISTED | LED lighting facts LED Product Partner | c(UL)us LISTED | FC | (Recycle) | Pb lead-free | RoHS 2002/95/EC ✓

| Energy 63% | High Efficacy 150 LpW | >50000 Hours | CRI (Ra) >83 | Angle 320° |
| THD <20% | Multiple CCT | Minimal Heat | PF >0.96 | 100-277V |

98% RECYCLABLE

NO LEAD, MERCURY, HEAVY METALS OR TOXIC GASES

Applications :

- Office Lights
- Shopping Malls
- Hospitality
- Lab and Clean Room
- Cold Display
- Utility Rooms
- Computer and Equipment Rooms
- Hospitals
- Store Displays
- Warehouses
- Garage Lighting
- Kitchen Lighting
- Supply Rooms

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

Longer Life	Energy Costs	Power	Beam Angle	Lumen Efficacy	No IR/UV	No EMi / RFi	Solid State	Reliability	Warranty
Up to 50,000 Hours	κ W		320°		No Noise			✓OK ON OFF x 1,000,000	5 years
Increased Sustainability	Reduction of up to 63%	Low Consumption	Wide & Uniform	150 LpW LM-79 Tested	Radiation-Free No Humming	Zero Interference	Vibration and Shock Resistant	LM-80 ISTMT Tested Tested	Reliable and Long-Lasting

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Type A | **Type B**

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HyLite Model	Watts	CCT	Lens Type	Delivered Lumens	Lumen Efficacy	Fluorescent Equivalent	Energy Savings*	Dimensions & Weight (Each)			Case Qty.	Case Weight
								Length	Diameter	Weight		
HL-GT8-4AB-12W-40K	12W	40K	Frosted	1750	146 LpW	32W	63%	4 ft. (121cm)	1.15" (29mm)	8 oz. (22g)	25	22 lb. (10 Kg.)
HL-GT8-4AB-12W-50K	12W	50K	Frosted	1800	150 LpW	32W	63%	4 ft. (121cm)	1.15" (29mm)	8 oz. (22g)	25	22 lb. (10 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

THD: <20%

(CCT): 4000K = Neutral White

Beam Angle: 320°

IP Rating: 42

5000K = Daylight

Power Factor: >0.96

Humidity Range: 10%~90%

Input Voltage (V): AC:100-277V, 50/60Hz

Ambient Working Temperature: -4°F~140°F (-20°C~60°C)

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 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. Installling 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, Ballast Compatible List

Brand	Model
PHILIPS Advance	ICN-2P32-N ICN-3P32-N ICN-4P32-N IOPA-2P32-N IOPA-3P32-N VEL-2P32-SC
OSRAM/SYLVANIA	QHE 1x32T8/UNV ISN-SC-1 QHE 3x32T8/UNV ISN-SC-1 QTP 2x32T8/UNV ISN-SC QTP 4x32T8/UNV ISN-HT-1 QTP 4x32T8/UNV ISN-SC
GE	GE132MAX-L/ULTRA GE132MAX-N/ULTRA GE232MAX-G-N GE232MAX-H/AMP GE232MAX-H/ULTRA GE259MAX-G-N GE332-120-N GE332MAX-G-L GE332MAX-H/ULTRA GE432-120RESDIYB GE432max-l/ULTRA GE432MAXP-H/ULTRA
UNIVERSAL	B132IUNVHP-N B232IUNVHE-A B232IUNVHP-N B232PUNVHE-B B332IUNVEL-A B332IUNVHE-A B332IUNVHP-A B432IUNVHP-A
HOWARD	EP2/32IS/MV/MC/HE EP3/32IS/MV/MC/HE

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. Installling 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.