HYLITE™
LED Lighting

LED
OptiMax™
High Performance Tube Lights

Type A **Type B**

NEXGEN PRODUCTS
Patented & Proprietary Technology
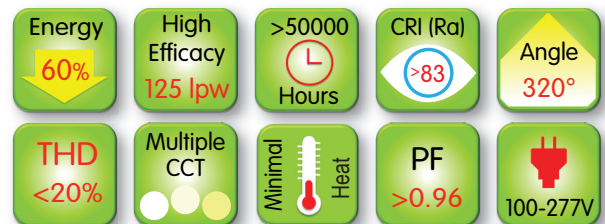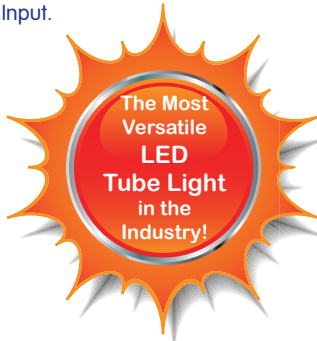Multi-CCT: 3000K, 3500K, 4000K, 5000K, 6500K

44W Fluorescent Equivalent

Multi-Mode, Multi-CCT, Plug N' Play, 18W LED T8 Tube Light

- Multi-mode: Ballast Compatible *(Before Installation - Check the Ballast Compatibility List on Pages: 3-5)* 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 Locations

- 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!

DLC QPL LISTED | UL CERTIFIED SAFETY US-CA SÛRETÉ US-CA | FC | ♻ | Pb lead-free RoHS 2002/95/EC

NSF®

Energy 60%	High Efficacy 125 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
- 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

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	125 LpW LM-79 Tested	No Noise			✓OK ON OFF x 1,000,000	5 years
Increased Sustainability	Reduction of up to 60%	Low Consumption	Wide & Uniform	125 LpW LM-79 Tested	Radiation-Free No Humming	Zero Interference	Vibration and Shock Resistant	LM-80 ISTMT Tested	Reliable and Long-Lasting

As part of the company's continuous product improvement program, HyLite reserves the right to change materials or modify the design of its product without notification. All Specifications are subject to change without notice. All values are design and/or typical values when measured under laboratory conditions. Actual Values depend upon the ambient temperature of the installation location. Please consult the factory for your specific requirements.

LED OptiMax™
High Performance Tube Lights

Model	Watts	CCT	Lens Type	Lumen Output	Efficacy (LpW)	Fluorescent Equivalent	Energy Savings*	Dimensions & Weight (Each)			Case Qty.	Case Weight
								Length	Diameter	Weight		
HL-GT8-4AB-18W-3065	18W	30K 35K 40K 50K 65K	Frosted with Shatter Shield	2200 2200 2250 2250 2250	120 120 125 125 125	44W	59% 59% 60% 60% 60%	4 ft. (121cm)	1" (25.4mm)	8 oz. (216g)	25	14.3 lb. (6.5 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

Power Factor: >0.96 (THD: <20%)

(CCT): 3000K-3500K = Warm White

Beam Angle: 220°

IP Rating: 42

4000K = Neutral White

Beam Spread: 320°

Humidity Range: 10%~90%

5000K = Daylight

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

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

6500K = Ultra-Bright

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 Lamp Holder Terminals to make new Connections at Lamp Holder Terminals. Instead, Installers should Cut existing Lamp Holder Leads away from the Lamp Holder and make new Electrical Connections to Lamp Holder 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 Lamp Holders 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™
LED Lighting

HyLite OptiMax™, Multi-Mode, Multi-CCT,
Plug N' Play, LED Tube 18W Ballast Compatible List

LED
OptiMax™
High Performance Tube Lights

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.

Ballast Brand	Model No.	Start Type	Max Load Qty.	Compatible（Y/N）			
				1 Lamp	2 Lamps	3 Lamps	4 Lamps
ACT	ACT3P32ISUNVE	Instant Start	3	Y	Y	Y	N/A
ACT	ACT4P32ISUNVE	Instant Start	4	N	N/A	Y	Y
Damar	1688B	Instant Start	2	Y	Y	N/A	N/A
Damar	1688D	Instant Start	2	N	Y	N/A	N/A
Damar	3654C	Instant Start	3	N	Y	Y	N/A
EIKO	PM-2X32T8-UNV-IS	Instant Start	2	Y	Y	N/A	N/A
Espen	VE232MVHIPLE	Instant Start	2	Y	Y	N/A	N/A
Espen	VE2P32MVHIPE 11068	Instant Start	2	Y	Y	N/A	N/A
Espen	VE2P32MVHIPHE 11069	Instant Start	2	N	Y	N/A	N/A
Espen	VE2P32MVHPPE 11080	Programmed Start	2	Y	Y	N/A	N/A
Espen	VE332MVHIPLE	Instant Start	3	Y	Y	Y	N/A
Espen	VE3P32MVHIPLE 11056	Instant Start	3	Y	Y	Y	N/A
Espen	VE3P32MVHIPE 11070	Instant Start	3	Y	Y	Y	N/A
Espen	VE3P32MVHPPE 11083	Programmed Start	3	Y	Y	Y	N/A
Espen	VE4P32MVHIPLE 11057	Instant Start	4	Y	N/A	Y	Y
Espen	VE4P32MVHIPE 11072	Instant Start	4	N	N/A	Y	Y
Espen	VE4P32MVHPPE 11086	Programmed Start	4	Y	N/A	Y	Y
Fulham	FH12-UNV-1400L	Emergency	1	Y	N/A	N/A	N/A
GE	GE132MAX-G-N	Instant Start	1	Y	N/A	N/A	N/A
GE	GE132MAX-H/Ultra	Instant Start	1	Y	N/A	N/A	N/A
GE	GE132MAXP-L/ULTRA	Instant Start	1	Y	N/A	N/A	N/A
GE	GE132MAXP-N/ULTRA	Instant Start	1	Y	N/A	N/A	N/A
GE	GE-132-MV-N	Instant Start	1	Y	N/A	N/A	N/A
GE	GE-132-MV-PS-H	Programmed Start	1	Y	N/A	N/A	N/A
GE	GE-132-MV-PS-L	Programmed Start	1	Y	N/A	N/A	N/A
GE	GE232MAX-G-N	Instant Start	2	Y	Y	N/A	N/A
GE	GE232MAX-G-N-DILY	Instant Start	2	Y	Y	N/A	N/A
GE	GE232MAX-G-N-DIYB	Instant Start	2	Y	Y	N/A	N/A
GE	GE232MAX-H/ULTRA	Instant Start	2	Y	Y	N/A	N/A
GE	GE232MAX-L/ULTRA	Instant Start	2	Y	Y	N/A	N/A
GE	GE232MAXP-H/ULTRA	Instant Start	2	Y	N	N/A	N/A
GE	GE232MAXP-L/ULTRA	Instant Start	2	Y	Y	N/A	N/A
GE	GE-232-MV-N	Instant Start	2	Y	Y	N/A	N/A
GE	GE232-MVPS-L	Programmed Start	2	Y	Y	N/A	N/A
GE	GE232-MVPS-N	Programmed Start	2	Y	Y	N/A	N/A
GE	GE-232-MVPSN-V03	1-10V Dimming	2	Y	Y	N/A	N/A
GE	GE-232-MVPS-XL	Programmed Start	2	Y	Y	N/A	N/A
GE	GE232MAX-G-N	Instant Start	3	Y	Y	Y	N/A

Ballast Brand	Model No.	Start Type	Max Load Qty.	Compatible (Y/N)			
				1 Lamp	2 Lamps	3 Lamps	4 Lamps
GE	GE232MAX-G-N-DIYB	Instant Start	3	Y	Y	Y	N/A
GE	GE332MAXP-L/ULTRA	Instant Start	3	Y	Y	Y	N/A
GE	GE332MAXP-N/ULTRA	Instant Start	3	Y	Y	Y	N/A
GE	GE332MV-N-DIY	Instant Start	3	Y	Y	Y	N/A
GE	GE332-MVPS-L	Programmed Start	3	Y	Y	Y	N/A
GE	GE-332-MVPS-XL	Programmed Start	3	Y	Y	Y	N/A
GE	GE432MAX-G-N	Instant Start	4	N	N/A	Y	Y
GE	GE432MAXG-N-DIYL	Instant Start	4	N	N/A	Y	Y
GE	GE432MAX-L/Ultra	Instant Start	4	Y	N/A	Y	Y
GE	GE432MAXP347-N	Instant Start	4	Y	N/A	Y	Y
GE	GE432MAXP-H/ULTRA	Instant Start	4	N	N/A	N	Y
GE	GE432MAXP-L/ULTRA	Instant Start	4	Y	N/A	Y	Y
Halco	EP232IS/MV/HE	Instant Start	2	Y	Y	N/A	N/A
Halco	EP332IS/MV/HE	Instant Start	3	Y	Y	Y	N/A
Halco	EP332IS/L/MV/HE	Instant Start	3	Y	Y	Y	N/A
Halco	EP432IS/L/MV/HE	Instant Start	4	Y	N/A	Y	Y
Howard	EP2/32IS/MV/MC/HE	Instant Start	2	Y	Y	N/A	N/A
Howard	EPL2/32IS/MV/MC/HE	Instant Start	2	Y	Y	N/A	N/A
Howard	EPL3/32IS/MV/SC/HE	Instant Start	3	Y	Y	Y	N/A
Howard	EP4/32IS/MV/MC/HE	Instant Start	4	N	N/A	Y	Y
Howard	EPL4/32IS/MV/MC/HE	Instant Start	4	Y	N/A	Y	Y
Keystone	KTEB-232-UV-IS-N-P	Instant Start	2	Y	Y	N/A	N/A
Keystone	KTEB-332-UV-IS-N-P	Instant Start	3	Y	Y	Y	N/A
Keystone	KTEB-432-UV-IS-N-P	Instant Start	4	N	N/A	Y	Y
Keystone	KTEB-432RIS-1-TP-SL	Instant Start	4	Y	N/A	Y	Y
Keystone	KT-EMRG-1400	Emergency	2	Y	Y	N/A	N/A
Keystone	KT-EMRG-500-SL	Emergency	1	Y	N/A	N/A	N/A
Philips	ICN-2P32-N	Instant Start	2	N	Y	N/A	N/A
Philips	ICN-2P32-SC	Instant Start	2	Y	Y	N/A	N/A
Philips	ICN-4P32-SC	Instant Start	4	N	N/A	Y	Y
Philips	IOP-4P32-LW-N	Instant Start	4	Y	N/A	Y	Y
Philips	REL-2P32-SC	Instant Start	2	Y	N	N/A	N/A
Philips	RCN-2S32-SC	Instant Start	2	N/A	Y	N/A	N/A
Philips	REL-4P32-RH-TP	Instant Start	4	N	N/A	Y	Y
Philips	ICN-2P32-SC	Instant Start	2	Y	Y	N/A	N/A
Philips	ICN-4P32-N	Instant Start	4	N	N/A	Y	Y
Philips	IOP-2P32-HL-N	Instant Start	2	N	Y	N/A	N/A
Philips	IOP-2P32-LW-N	Instant Start	2	Y	Y	N/A	N/A
Philips	IOP-2P32-N	Instant Start	2	Y	Y	N/A	N/A
Philips	IOP-2PSP32-LW-N	Programmed Start	2	Y	Y	N/A	N/A
Philips	IOP-2PSP32-N	Programmed Start	2	Y	Y	N/A	N/A
Philips	IOP-4P32-LW-N	Instant Start	4	Y	N/A	Y	Y
Philips	IOP-4PSP32-LW-SC	Programmed Start	4	Y	N/A	Y	Y
Philips	IOP-4PSP32-SC	Programmed Start	4	N	N/A	Y	Y

Ballast Brand	Model No.	Start Type	Max Load Qty.	Compatible（Y/N）			
				1 Lamp	2 Lamps	3 Lamps	4 Lamps
Philips	IOPA-1P32-LW-N	Instant Start	1	Y	N/A	N/A	N/A
Philips	IOPA-2P32-LW-N	Instant Start	2	Y	Y	N/A	N/A
Philips	IOPA-2P32-N	Instant Start	2	N	Y	N/A	N/A
Philips	IOPA-3P32-LW-N	Instant Start	3	Y	Y	Y	N/A
Philips	IOPA-3P32-LW-SC	Instant Start	3	Y	Y	Y	N/A
Philips	IOPA-3P32-N	Instant Start	3	N	N	Y	N/A
Philips	IOPA-4P32-N	Instant Start	4	N	N/A	Y	Y
Philips	IZT-2S32-SC	1-10V Dimming	2	Y	Y	N/A	N/A
Philips	RCN-2S32-SC	Instant Start	2	N	Y	N/A	N/A
Philips	REL-2P32-SC	Instant Start	2	N	Y	N/A	N/A
Philips	REL-4P32-RH-TP	Instant Start	4	N	N/A	Y	N
Philips	REZ-2S32-SC	Triac Dimming	2	Y	Y	N/A	N/A
Philips	VEL-4P32-SC	Instant Start	4	N	N/A	Y	Y
Plusrite	BAF232IS/MV	Instant Start	2	N	Y	N/A	N/A
Plusrite	BAF332IS/MV	Instant Start	3	Y	Y	Y	N/A
Plusrite	BAF432IS/MV	Instant Start	4	N	N/A	Y	Y
Robertson	IEA432T8120N 3P20135	Instant Start	4	Y	N/A	Y	Y
Sunlite	40155-SU·SB/232/MV	Instant Start	2	Y	Y	N/A	N/A
Sylvania	QHE 1x32T8/UNV ISH HT SC	Instant Start	1	Y	N/A	N/A	N/A
Sylvania	QHE 1X32T8/UNV ISN-SC	Instant Start	1	Y	N/A	N/A	N/A
Sylvania	QHE 2X32T8/347 ISL-SC	Instant Start	2	Y	Y	N/A	N/A
Sylvania	QHE 2x32T8/UNV ISL-SC	Instant Start	2	Y	Y	N/A	N/A
Sylvania	QHE 2X32T8/UNV ISL-SC-1	Instant Start	2	Y	Y	N/A	N/A
Sylvania	QHE 2x32T8/UNV ISN-SC	Instant Start	2	Y	Y	N/A	N/A
Sylvania	QHE 2X32T8/UNV PSN-MC	Programmed Start	2	Y	Y	N/A	N/A
Sylvania	QHE 3X32T8/UNV PSN-MC	Programmed Start	3	Y	Y	Y	N/A
Sylvania	QHE 3x32T8/UNV ISL-SC	Instant Start	3	Y	N/A	Y	N/A
Sylvania	QHE 3XLEDT8/UNV-ISN-SC	Instant Start	3	Y	N/A	Y	N/A
Sylvania	QHE 4x32T8/UNV ISL-SC	Instant Start	4	Y	N/A	Y	Y
Sylvania	QHE 4x32T8/UNV ISN-SC	Instant Start	4	N	N/A	Y	Y
Sylvania	QHE 4xLEDT8/UNV-ISN-SC	Instant Start	4	N	N/A	N/A	Y
Sylvania	QTP 1X32T8/UNV ISN-SC	Instant Start	1	Y	N/A	N/A	N/A
Sylvania	QTP 3X32T8/UNV ISN-SC	Instant Start	3	Y	Y	Y	N/A
Sylvania	QTP 4X32T8/UNV ISN-SC	Instant Start	4	N	N/A	Y	Y
UltraSave	UT232347	Instant Start	2	Y	Y	N/A	N/A
Universal	B232IUNVEL-N	Instant Start	2	Y	Y	N/A	N/A
Universal	B232IUNVHP-N	Instant Start	2	Y	Y	N/A	N/A
Universal	B232PUNVHE-B	Programmed Start	2	Y	Y	N/A	N/A
Universal	B332IUNVEL-A	Instant Start	3	Y	Y	Y	N/A
Universal	B332IUNVHE-A	Instant Start	3	Y	Y	Y	N/A
Universal	B332IUNVHP-A	Instant Start	3	Y	Y	Y	N/A
Universal	B432IUNVHE-A	Instant Start	4	N	N/A	Y	Y
Universal	B432IUNVHP-A	Instant Start	4	Y	N/A	Y	Y
Universal	B432PUNVHE-A	Programmed Start	4	N	N/A	Y	Y
Universal	B232IUNV-C	Instant Start	2	Y	Y	N/T	N/T