



# BayMAX HL Series LED Linear High Bays

Presented by: Nick Latwis

November 30, 2016



# TODAY'S AGENDA

## Topics:

- Overview
- HL Series LED Linear High Bay
- BayMax Linear High Bay - BLHT Series
- LED High Bay Pendant – HP Series
- Upcoming Products
  - TriMax Vapor Tight Series
  - LED Strip - LS Series
  - LED Strip Retrofit Kit - RS Series
- Q&A

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MaxLite Presents:

BayMax  
HL Series  
LED Linear  
High Bays



**Wednesday,  
11/30/16 @ 12pm EST**

The HL Series High Bay delivers the lumen output of a traditional high bay in a form factor one-fourth the size. Offering leading-edge efficacy and scalability for warehouses, distribution centers, manufacturing facilities and big box retailers, the HL Series High Bay is configurable with narrow or wide lens distribution and emergency controls for optimal lumen output and energy savings.

Join us to ask questions and learn more!

HL LED Product	Lumens	Comparable Fluorescent	HL LED Advantage
HL-100UW-50 (100W)	13,400 lm	4 x 54W T5HO	54% less input watts
HL-150UW-50 (150W)	19,500 lm	6 x 54W T5HO	54% less input watts
HL-200UW-50 (200W)	25,000 lm	8 x 54W T5HO	54% less input watts

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# LED HIGH BAY LINEAR – HL SERIES

## ● Overview

- **The LED Highbay Linear Series** offers leading-edge efficacy and scalability for high ceiling applications such as warehouses, distribution centers, manufacturing facilities and big box retailers. Measuring just 14" x 24", the **LED luminaires deliver the high lumen output associated with traditional fluorescent and HID highbays in a form factor one-quarter the size.**



# FEATURES, BENEFITS & APPLICATIONS: HL LINEAR HIGH BAY

## ● Features

- Seven year limited warranty
- Indoor Damp location
- L70 of 100,000 hours

## ● Benefits

- Compact form factor (14" x 24") nearly 1/4<sup>th</sup> the size of traditional high bays
- DLC Premium qualified
- Efficacy of up to 132 lm/W
- Various options and accessories available (BBU, MS, 347V, TS, Aisle optic, et cetera)

## ● Applications

- Warehouses
- Distribution centers
- Manufacturing facilities
- Various Industrial and Commercial applications)



## LED HIGH BAY LINEAR – HL SERIES



- Available in 5000K only
- 100,000 hour L70
- 0-10V dimming standard
- CRI >70
- Operates -30°F to 122°F
- High efficiency (130 lm/W)
- Accessories include:
  - Aisle Optic
  - Translucent Lens
  - Battery Backup Unit
  - On/Off Sensor
  - Bi-Level Sensor
- DLC+ Listed

HL LED Product	Lumens	Comparable Fluorescent	HL LED Advantage
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## LED HIGH BAY LINEAR – HL SERIES

- A HL Series flyer is available to quickly compare the fixture's specifications against both Metal Halide and Fluorescent.

### BayMAX™ HL Series LED Linear Highbay

The HL Series delivers the lumen output of a traditional highbay in a form factor one-fourth the size. Offering leading-edge efficacy and scalability for warehouses, distribution centers, manufacturing facilities and big box retailers, the HL Series Highbay is configurable with narrow or wide lens distribution and emergency controls for optimal lumen output and energy savings. Now that's efficient.

#### Features:

- Approximately 14" x 24"
- Up to 132 lm/W efficacy
- 0-10V dimming standard
- 347-480V option available
- Suitable for damp locations



#### Specifications

ITEM	WATTAGE	LUMENS	EFFICACY	DISTRIBUTION	CR	SCT	L70 LIFETIME	VOLTAGE
HL-100UW-50	100W	13,400 lm	129 lm/W	Wide	e70	5000K	100,000 hrs	120-277V
HL-100UN-50	100W	13,600 lm	132 lm/W	Narrow	e70	5000K	100,000 hrs	120-277V
HL-150UW-50	150W	19,500 lm	130 lm/W	Wide	e70	5000K	100,000 hrs	120-277V
HL-150UN-50	150W	19,300 lm	128 lm/W	Narrow	e70	5000K	100,000 hrs	120-277V
HL-200UW-50	200W	25,000 lm	128 lm/W	Wide	e70	5000K	100,000 hrs	120-277V
HL-200UN-50	200W	25,100 lm	127 lm/W	Narrow	e70	5000K	100,000 hrs	120-277V

(all specs preliminary, subject to change)

#### Metal Halide Comparison

SPECS	HL-100UW	MH	HL-150UW	MH	HL-200UW	MH
LUMENS	13,400 lm	12,040 lm	19,500 lm	17,360 lm	25,000 lm	20,360 lm
WATTAGE	104W	250W	150W	350W	198W	400W
EFFICACY	129 lm/W	48 lm/W	130 lm/W	50 lm/W	128 lm/W	50 lm/W
LIFE (HOURS)	100,000 hrs	30,000 hrs	100,000 hrs	30,000 hrs	100,000 hrs	30,000 hrs
LUMEN DIFFERENTIAL		-1,360 lm		-2,140 lm		-4,840 lm
WATTAGE DIFFERENTIAL		146W		200W		204W
% ENERGY SAVINGS		58.4%		57.1%		51.0%
ANNUAL ENERGY COST SAVINGS*		\$83.13		\$113.88		\$116.16

\*operated for 12 hours/day at \$0.13/kwh for 365 days/year

#### Fluorescent Comparison

SPECS	HL-100UW	FLUORESCENT	HL-150UW	FLUORESCENT	HL-200UW	FLUORESCENT
LUMENS	13,400 lm	12,400 lm	19,500 lm	18,600 lm	25,000 lm	24,800 lm
LAMP WATTAGE	-	54W	-	54W	-	54W
NUMBER OF LAMPS	-	4	-	6	-	8
TOTAL WATTAGE	104W	216W	150W	324W	198W	432W
EFFICACY	129 lm/W	57 lm/W	130 lm/W	57 lm/W	128 lm/W	57 lm/W
LIFE (HOURS)	100,000 hrs	30,000 hrs	100,000 hrs	30,000 hrs	100,000 hrs	30,000 hrs
LUMEN DIFFERENTIAL		-1,000 lm		-900 lm		-200 lm
WATTAGE DIFFERENTIAL		112W		174W		230W
% ENERGY SAVINGS		51.9%		53.7%		54.6%
ANNUAL ENERGY COST SAVINGS*		\$63.77		\$99.08		\$134.38

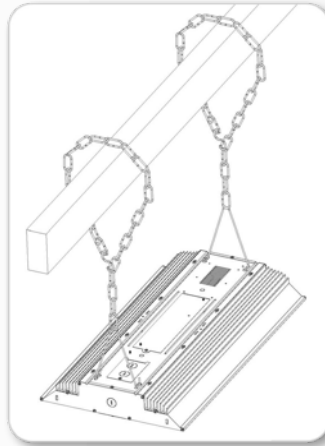
\*operated for 12 hours/day at \$0.13/kwh for 365 days/year

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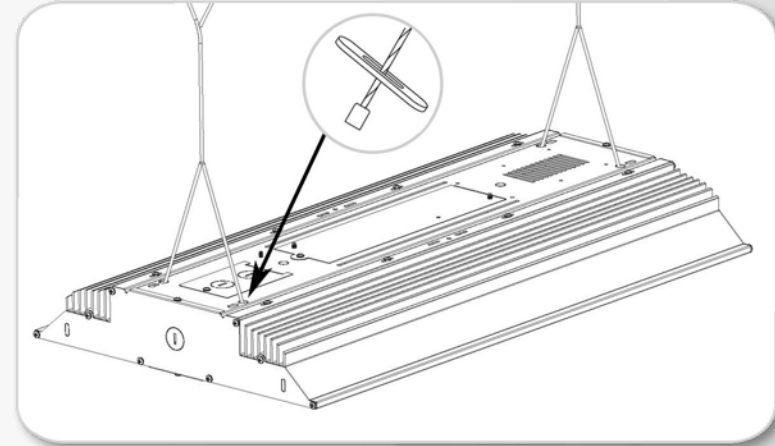
## LED HIGH BAY LINEAR MOUNTING – HL SERIES

### ● Mounting Options

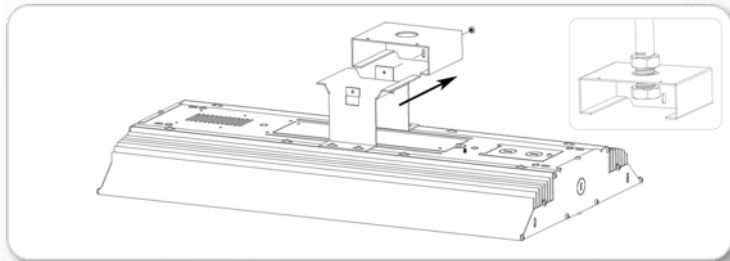
- Chain Mount
- Aircraft Cable Mount
- Mono-Stem Mount
- Surface Mount
- Stem/Pendant Mount



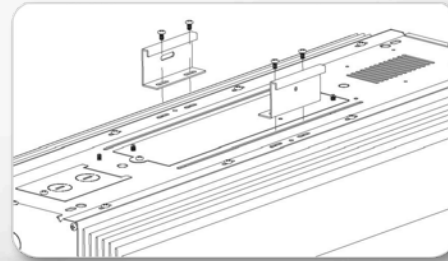
Chain Mount



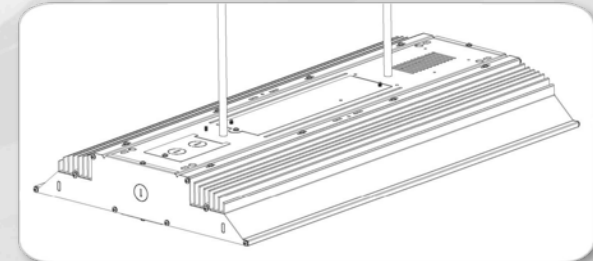
Aircraft Cable Mount



Mono-Stem Mount



Surface Mount



Stem/Pendant Mount

## HL SERIES HIGHBAY FIXTURE LENS



### Operating Instructions

HL Series - Lens

### MaxLite® LED Linear HighBay Fixture Lens

**MaxLite**

#### General Safety Information

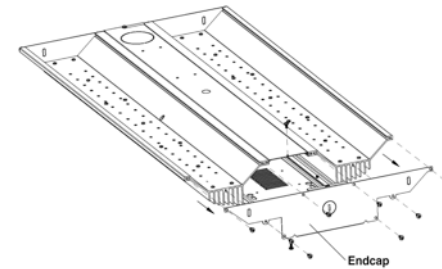
• This manual covers changing the fixture's lens only. For full fixture installation instructions, please refer to the HL Series instruction manual available at [maxlite.com](http://maxlite.com) or packaged along with the fixture.



Picture is for illustration purposes only. Your model may vary.

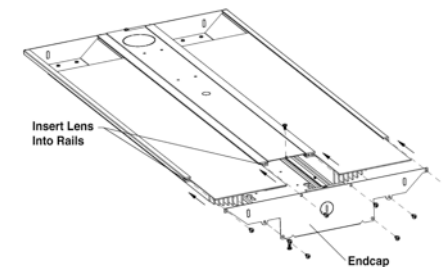
#### Changing Fixture Lens

1. Remove Screws (10) and Endcap (1)



**Fig. 1**

2. Remove protective paper from lens and slide into rails. (Fig. 2)  
Note: Glossy side must face LED's.
3. Reinstall Screws (10) and Endcap (1)



**Fig. 2**

#### Warranty

MaxLite offers a warranty on this product, please see: <http://www.maxlite.com/resources/warranties> for more information.

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REV: 11/10/16



# HL SERIES HIGHBAY FIXTURE WIRE GUARD



# LED HIGH BAY LINEAR – HL SERIES



PROJECT NAME: \_\_\_\_\_ CATALOG NUMBER: \_\_\_\_\_  
 NOTES: \_\_\_\_\_ FIXTURE SCHEDULE: \_\_\_\_\_

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## LED HIGH BAY LINEAR HL SERIES



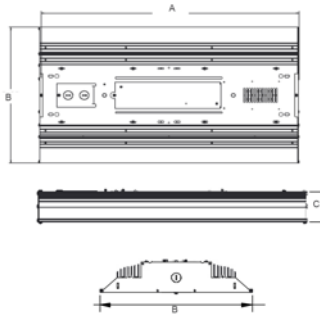
### PRODUCT DESCRIPTION:

The LED Linear Highbay Series offers leading-edge efficacy and scalability for high ceiling applications such as warehouses, distribution centers, manufacturing facilities and big box retailers. Measuring just 12" x 24", the LED luminaires deliver the high lumen output associated with traditional fluorescent and HID highbays in a form factor one-quarter the size.

The Linear Highbay Series can be configured with narrow or wide beam distributions, and emergency controls, for optimal lumen output and energy savings. Choose from cable, pendant and surface mounting options to create a custom solution that meets any lighting requirement.

### FEATURES:

- Narrow and wide lens distribution
- Operating temperature -20°C to 50°C (100W & 150W) and -20°C to 40°C (200W)
- Suitable for Damp locations
- L70 lifetimes projected to be 100,000 hours
- 347-480V option available
- Translucent lens offered for diffuse light
- Wire guard available for additional protection
- 0-10V Dimming standard
- 100W equivalent to 250W fluorescent high bay and 150W & 200W equivalent to 400W HID fixture



Dimensions			
Product	A	B	C
100W	24.06"	13.69"	2.73"
150W	24.06"	13.69"	4.23"
200W	24.06"	13.69"	4.23"

MODEL SELECTION		Typical order example: HL-150UW-50EM						
HL								
FAMILY	WATTAGE	VOLTAGE	BEAM SPREAD	CCT	OPTIONS			
HL= High Bay Linear	100= 100W	U= 120-277V	N= Narrow	50= 5000K	Omit = None	Omit = None	Omit = None	
	150= 150W	H= 347-480V*	W= Wide		EM = Battery Backup Unit	MSO = On/Off Sensor	TS = Translucent Lens*	
	200= 200W					MSV = Bi-Level Sensor	MSC = CA T24 Sensor	

\*DLC Qualification Pending

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## LED HIGH BAY LINEAR HL SERIES

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### SPECIFICATIONS:

ITEM	SPECIFICATION	HL-100UW-50	HL-100UN-50	HL-150UW-50	HL-150UN-50	HL-200UW-50	HL-200UN-50
		DETAILS					
GENERAL PERFORMANCE	Power Consumption (W)	103.9	103.6	149.9	150.3	195.6	197.6
	Lumens Delivered (lm)	13,400	13,600	19,500	19,300	25,000	25,100
	Efficacy (lm/W)	129	132	130	128	128	127
	CRI	≥70					
	Color Temperature (K)	5000K (Additional CCT available, contact MaxLite for info.)					
	L70 Lifetime (hours)	100,000					
	Color Consistency	Proprietary binning for uniform color					
ELECTRICAL	Power Factor	0.99					
	Input Voltage	120-277V (347-480V optional)					
PHYSICAL	Mounting	Chain Standard (See Mounting Accessories Chart for other options)					
	Operating Temperature	-30°F to 122°F					
	Humidity	20-85% RH, non-condensing					
CERTIFICATION	Certification	eULus, DLC Premium, FCC, Lighting Facts					
	Material Usage	RoHS compliant, no mercury					
	Environment	Indoor / Damp					
	Warranty	5 Years					

### ORDERING\*:

MODEL	MODEL NUMBER	INVENTORY	WATTAGE	DISTRIBUTION
101446	HL-100UW-50	Stock	100	Wide
101447	HL-100UN-50	Made to Order		Narrow
101448	HL-150UW-50	Stock	150	Wide
101449	HL-150UN-50	Made to Order		Narrow
101450	HL-200UW-50	Stock	200	Wide
101451	HL-200UN-50	Made to Order		Narrow

\*Please contact your MaxLite representative to order products that don't have order codes listed here.

MOUNTING ACCESSORIES		
MODEL NUMBER	ORDER CODE	DESCRIPTION
MLCHKLSU15	74138	Cable Kit 15' Loop x Toggle Y 1 Pair
MLCHKSQ	71119	Cable Kit 20' Loop x Toggle Y 1 Pair
HL-SMK	107603	Surface Mount Kit
HL-MPK	107604	Monopoint Mount Kit

CORD ACCESSORIES		
MODEL NUMBER	ORDER CODE	DESCRIPTION
BLHTD120-12/5	101286	MODULAR WIRING DROP 10' 120V 12AWG-5 STRAND
BLHTD277/480-12/5	75324	MODULAR WIRING DROP 10' 277/480V 12AWG-5 STRAND

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# BAYMAX HL SERIES HIGH BAY FAQ

## FAQ:

### BAYMAX HL SERIES HIGH BAY



#### Where would I use the HL Series High Bay fixture?

The HL Series High Bay is designed to replace traditional fluorescent high bays for various types of commercial and industrial applications such as warehouses, distribution centers, manufacturing facilities, and big box retailers. Measuring just 14" x 24", the HL high bay delivers the high lumen output associated with traditional fluorescent and HID high bays in a form factor one-quarter the size.

#### What makes the HL a better value than other LED high bays?

The HL can be configured with narrow or wide beam distributions, and emergency controls, for optimal lumen output and energy savings. It is designed for cable, pendant and surface mounting options, to create a custom solution that meets any lighting requirement.

#### What advantages does the HL fixture have over traditional lighting?

Compared to traditional lighting sources, the LED HL high bay has significantly reduced input wattages that allow both energy and monetary savings in the long term. Overall, the return on investment is much higher than that of traditional lighting. In addition, the compact form factor means that the HL high bay has compatible lumen output at one-quarter the size of traditional linear high bay fixtures.

#### Which HL fixture should I use when converting from fluorescent?

HL LED Product	Comparable HID	HL LED Advantage
HL-100UW-50	250W	60% less input watts
HL-150UW-50	400W	63% less input watts
HL-200UW-50	400W+	50% less input watts

#### How much power does each lumen package consume?

HL LED Product	Input Watts	Lumens
HL-100UW-50	100W	13,400 lm
HL-150UW-50	150W	19,500 lm
HL-200UW-50	200W	25,000 lm

#### What is the predicted life and maintenance schedule?

With 70% lumen maintenance (L70) at >100,000 hours, maintenance costs are minimal compared to traditional light sources especially since they require regular maintenance and lamp recycling. When considering the labor costs associated with constant maintenance, each HL high bay will save hundreds of dollars over the life of the product.

#### What color temperatures are available?

The HL high bay comes with a color temperature of 5000K as standard. Please contact MaxLite for additional color temperature information.

#### How much does the product weigh?

The HL high bay weighs a maximum of 15 lbs.

#### Can I save additional energy with optional controls?

Yes, the HL high bay can be outfitted with motion sensor technology that is capable of occupancy sensing (on/off only), bi-level sensing or daylight harvesting (meets California Title 24 compliance). These features work in tandem to ensure that the product only consumes energy when it must and adds significant energy savings. This motion sensor device is sold already integrated into the product.

## FAQ:

### BAYMAX HL SERIES HIGH BAY



#### What is the standard optic for the HL fixture?

The HL fixture comes standard with no lens and a wide beam distribution. Either a translucent lens or a reflector for narrow (aisle) beam optical distribution can be added as options. Please consult datasheet for additional ordering information.

#### What options and accessories are available?

The HL high bay is available with standard options such as emergency battery backup, motion sensors, high voltage (347-480V) transformer, translucent lens, and reflectors for aisle distribution. In addition, various mounting accessories and protective wire guard can be purchased separately.

#### What options and accessories are field installable? Are factory installed?

Everything listed as an "accessory" is installed in the field and is shipped separately from the product. Everything listed as an "option" is factory installed and cannot be added in the field. Please consult datasheet for additional information.

#### Are there any options that are mutually exclusive?

Yes, the narrow reflectors for aisle distribution and translucent lens cannot appear on the same product. Because the translucent lens makes the beam spread diffused, the narrow reflectors will not be able to change the beam pattern into one that matches aisle distribution. All of the options not listed above (battery backup, motion sensor, high voltage, et cetera), as well as the accessories (wire guards, various mounting kits, et cetera), can be combined.

#### How can I mount this fixture?

The HL high bay can be suspension mounted with either a chain hanger or air craft cable (not included). The fixture can also be surface mounted with a surface mount kit or pendant mounted with a pendant or mono-stem mount kit. Please see mounting accessories section of datasheet for more information.

#### Can I dim the HL fixture?

Yes, the drivers come standard with 0-10V dimming leads. With these leads, the product is capable of dimming down to 10%.

#### Is there an emergency battery backup option?

Yes, the product can be ordered with a factory installed emergency battery backup unit. It provides approximately 1,800 lumens for a minimum of 90 minutes during operation.

#### What is the operating temperature for this high bay?

The HL operates from -20°C to 50°C for both the 100W and 150W models. The 200W model operates from -20°C to 40°C.

#### What is the standard color rendering index (CRI)?

The LEDs in the HL have a CRI value of 70.

#### What is the standard warranty?

Purchase of the HL fixtures comes with a 5 year limited warranty. Complete warranty terms are located at [http://www.maxlite.com/resources/WarrantyPDFs/Maxlite\\_LED\\_Fixture\\_Warranty\\_083116.pdf](http://www.maxlite.com/resources/WarrantyPDFs/Maxlite_LED_Fixture_Warranty_083116.pdf)

#### What parts are field replaceable?

None of the parts to the fixture are field replaceable.

#### Does the HL fixture come in different colors?

The standard HL fixture is a white finish.

#### How do you ensure that the HL fixture is a high quality product?

To ensure maximum quality, each configuration is both tested to UL standards and tested to identify the electrical and thermal limits of the product. During assembly, components are selected and assembled according to industry standards and each fixture is thoroughly tested prior to shipment.

# HL SERIES UTILITY REBATE FLYER

## Utility Rebates 200W LED HIGH BAY LINEAR HL-200



Alabama, Georgia, Kentucky, Mississippi, North Carolina, Tennessee	
Custom	
EnergyRight	\$43.80
Arizona	
Custom	
Arizona Public Service	\$96.36
Salt River Project	\$60.00
Prescriptive	
Tucson Electric Power	\$200.00
Arkansas	
Custom	
Energy AR	\$131.40
Energy AR City Smart	\$87.60
SWEPCO	\$122.64
British Columbia	
Custom	
BC Hydro Power Smart Program	\$309.00
Prescriptive	
Fortis BC Canada	\$90.00
California	
Custom	
Alameda Municipal Power	\$87.60
Anaheim Public Utilities	\$131.40
Burbank Water and Power	\$87.60
Glendale Water and Power	\$52.56
Modesto Irrigation District CA	\$43.80
Pacific Gas and Electric LED Accelerator	\$210.24
Pacific Power CA	\$131.40
Pasadena Water and Power	\$131.40
Southern California Edison	\$70.08
Prescriptive	
Modesto Irrigation District CA	\$75.00
Sacramento Municipal Utility District	\$200.00
San Francisco Energy Watch	\$125.00
California, Idaho, Montana, Nevada, Oregon, Utah, Washington, Wyoming	
Prescriptive	
Bonneville Power Administration	\$140.00

Colorado	
Custom	
Efficiency Works	\$300.00
Poudre Valley REA	\$150.00
United Power CO	\$150.00
Prescriptive	
Xcel Energy Colorado	\$150.00
Connecticut	
Prescriptive	
Energeize Connecticut	\$180.00
Delaware	
Prescriptive	
Delaware Energy Efficiency Investment Fund	\$100.00
District Of Columbia	
Prescriptive	
DC Sustainable Energy Utility	\$60.00
Florida	
Custom	
Tampa Electric	\$29.60
Prescriptive	
Florida Power & Light	\$20.00
Georgia	
Custom	
Georgia Power	\$40.00
Idaho	
Custom	
WattSmart Idaho	\$70.08
Prescriptive	
TIP	\$40.00
Idaho, Oregon	
Custom	
Idaho Power	\$157.68
Illinois	
Custom	
Ameren Act on Energy	\$70.00
ComEd Smart Ideas	\$80.00
Illinois Energy Now	\$120.00
Indiana	
Custom	
Indianapolis Power and Light	\$61.32
Prescriptive	
Duke Energy Indiana	\$188.00
Indiana Michigan Power IN	\$56.00
Indianapolis Power and Light	\$190.00
Vectren	\$120.00

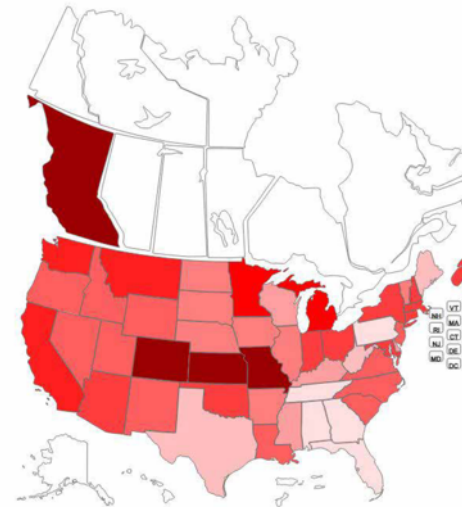
Iowa	
Custom	
City of Ames	\$92.70
Iowa Pella Coop	\$61.32
Prescriptive	
Alliant Energy IA	\$100.00
Consumers Energy Iowa	\$40.00
East Central Iowa Rural Electric Cooperative	\$40.00
Eastern Iowa REC	\$40.00
Iowa Pella Coop	\$40.00
Linn County Rural Electric Cooperative Iowa	\$40.00
MidAmerican Iowa	\$100.00
Southwest Iowa REC	\$40.00
Kansas, Missouri	
Prescriptive	
Kansas City Power and Light	\$309.00
Kentucky	
Custom	
AEP Kentucky Power	\$100.00
Prescriptive	
LG&E and KU	\$10.00
Louisiana	
Custom	
CLECO	\$140.16
Energy Smart NOLA	\$87.60
Entergy LA	\$78.84
SWEPCO LA	\$87.60
Maine	
Prescriptive	
Efficiency Maine	\$70.00
Manitoba	
Prescriptive	
Manitoba Hydro	\$109.00
Maryland	
Prescriptive	
Potomac Edison Maryland	\$200.00
SMECO Maryland	\$200.00
Massachusetts	
Prescriptive	
Mass Save	\$200.00

## Utility Rebates 200W LED HIGH BAY LINEAR HL-200



Washington	
Custom	
Clark Public Utilities	\$154.50
Cowlitz County PUD WA	\$157.68
Franklin PUD	\$157.68
Lewis County PUD	\$216.30
Pacific Power	\$105.12
Puget Sound Energy	\$175.20
Tacoma Power	\$148.92
Prescriptive	
Cowlitz County PUD WA	\$140.00
Franklin PUD	\$140.00
Snohomish County Public Utility District	\$203.00

West Virginia	
Custom	
Appalachian Power WV	\$61.32
Wisconsin	
Custom	
Efficiency United Wisconsin Public Service	\$100.00
Focus on Energy	\$17.52
Prescriptive	
Focus on Energy	\$50.00
Wyoming	
Custom	
WattSmart Wyoming	\$131.40



Customer eligibility and rebate values are based on assumptions and should be verified with your local utility. Please contact [utility@maxlite.com](mailto:utility@maxlite.com) with any questions.

Customer eligibility and rebate values are based on assumptions and should be verified with your local utility. Please contact [utility@maxlite.com](mailto:utility@maxlite.com) with any questions.

# FEATURES, BENEFITS & APPLICATIONS: BAYMAX LINEAR HIGH BAY (BLHT)

## ● Features

- High Efficacy LED boards with dual copper cladding for thermal dissipation.
- 1-10V Dimming standard
- Optional Occupancy Sensor, Wire guard, lensed door
- Housing has rear side access door for easy field access of control gear
- Operating Temp: -4°F to 104°F
- Suitable for continuous row mounting

## ● Applications

- Warehouses
- Distribution centers
- Manufacturing facilities
- Various Industrial and Commercial applications)



BLHT115USD4810



BLHT150USD4815



BLHT235USD4820



# BAYMAX™ LINEAR HIGH BAY – BLHT SERIES



PROJECT NAME: \_\_\_\_\_ CATALOG NUMBER: \_\_\_\_\_  
 NOTES: \_\_\_\_\_ FIXTURE SCHEDULE: \_\_\_\_\_

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## BAYMAX™ LED LINEAR HIGHBAY FIXTURE BLHT SERIES



BLHT115USD4810



BLHT150USD4815



BLHT235USD4820



### FEATURES:

- High Efficacy LED boards with dual copper cladding for thermal dissipation
- 1-10V Dimming standard
- Optional Occupancy Sensor, Wire guard, lensed door
- Housing has rear side access door for easy field access of control gear
- Operating Temp. -4°F to 104°F
- Suitable for continuous row mounting

### CONSTRUCTION:

- 22 Ga. Steel Housing, post painted
- Std. 80+ MIRO reflector
- Class II UL listed Dimming drivers
- 120-277V Universal Voltage (contact MaxLite for other voltages needed)
- Standard V-Hook included
- Standard Knock outs at ends and rear
- Features MaxLites™ "Thermal/ Lumen Balanced Light Engines" – MaxLite engineered low drive rates allow cooler operating temperatures. This translates as less thermal heat sinking needed, while allowing more LED's to be used, resulting in more lumen output. Cooler LED's perform correspondingly longer than harder driven hot LED's.

### CONTROL:

- Optional Occupancy sensing with Daylight Harvesting set points, selectable delays and operating profiles (MSV)
- Optional On/Off Occupancy Sensing (MSO)

IESNA TM-21-11 FOR L70 LIFETIME			
PART NUMBER	LED LIFETIME TO L70 AT 25°C AMBIENT	DRIVER LIFETIME AT OPERATING AMBIENT	
BLHT115USD4810	85,000 Hours*		Contact MaxLite for latest information
BLHT150USD4815	107,000 Hours		
BLHT235USD4820	110,000 Hours		

### PRODUCT DESCRIPTION:

MaxLite's BayMax™ LED Linear High Bay Fixture with optional bi-level controls offers a classic fluorescent linear high bay housing with LM80-tested LED strips that resemble fluorescent tubes when lit. The same size and shape as a T8 fluorescent fixture, and improved with exceptional 100+ LPW output, the 115-watt performance- and value-optimized fixture replaces a 250-watt fluorescent high bay, while the 150W & 235W models are 400W HID equivalent fixture. All fit standard fluorescent accessories. The fixtures are constructed of sheet steel for heat sink and thermal control and a specular reflector for higher lumens.

### MODEL SELECTION (Full list of order codes on pg. 2)

Typical order example: BLHT115USD4810EM

BLHT	WATTAGE (NOMINAL)		VOLTAGE	LENGTH	WIDTH	OPTIONS
	115= 115W 150= 150W 235= 235W	USD= 120-277V HSD= 347-480V		48= 48"	10= 10" 15= 15" 20= 20"	(OMT)= None (EM)= Battery Backup Unit (MSO)= On/Off Sensor (MSV)= Bi-Level Sensor (D27)= Modular Fixture Drop**

### ORDERING\*:

ORDER NUMBER	MODEL	WATTS (NOMINAL)	DELIVERED LUMENS	CCT
74229	BLHT115USD4810	115	12,430	5000K
74171	BLHT150USD4815	150	17,130	
74457	BLHT235USD4820	235	25,300	

\*Please contact your MaxLite representative to order products that don't have order codes listed here.

NOTES:  
 1. \* Lens is clear acrylic standard \*\* For use of modular fixture drop in 480v requires ordering of 480v Stepdown transformer

MAX14163

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## BAYMAX LED LINEAR HIGHBAY FIXTURE BLHT SERIES

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### SPECIFICATIONS:

ITEM	SPECIFICATION	BLHT115USD4810	BLHT150USD4815	BLHT235USD4820
		DETAILS	DETAILS	DETAILS
GENERAL PERFORMANCE	Spacing Criteria	1.28 (0° – 180°) / 1.26 (90° – 270°)	1.30 (0° – 180°) / 1.30 (90° – 270°)	1.28 (0° – 180°) / 1.26 (90° – 270°)
	Lumens Delivered	12,430*	17,130*	25,300*
	Battery Back Up Output (Avg. Im)	1416	1368	1272
	Efficacy (lm/W)	118	114	106
	CRI	>83	>83	>84
	Beam Angle	109.9° (V) / 96.44° (H)	97.1° (V) / 109.8° (H)	98.1° (V) / 110.1° (H)
	Color Temperature (CCT)	5000K		
ELECTRICAL	Power Consumption	116.5W	149.8W	237W
	Input Voltage	120-277Vac		
	Power Factor	> 99@120V, > 99@277V		
PHYSICAL	Dimensions	48" x 10" x 3.1"	48" x 15.9" x 3.1"	48" x 20" x 3.1"
	Weight	12.5 lbs	15 lbs	21 lbs
CERTIFICATION	Certification	UL 8750 and 1598, LM79, DLC		
	Material Usage	RoHS compliant, no mercury		
	Environment	Indoor / Damp		
	LED Class	UL Listed LM-80		
	Warranty	7 Years - See Warranty Certificate for details		

\* Preliminary output data, contact MaxLite for LM-79

	BI-LEVEL OCC. SENSOR		ON/OFF OCC. SENSOR
	Sensor Load	Max 800W	Max 800W
Dimming Levels	0/ 5/ 10/ 20/ 25/ 33/ 50% selectable	NA - 100% on, 0% off	
Ambient Light Level	Selectable Ambient Light Levels (3 levels)	NA - Motion activated only	
Time Delay	Selectable Time delay (1 min to 30 min)	Fixed 15 sec. to 30min.	
Type	Omni-directional quad element pyroelectric	PIR	
Optics	Standard / Conical / 8-15" Install Hts / 2x Ht beam width	Fixed width lens, with field adjustable sensitivity to reduce beam size	
Sensor Rating	120-277V / Wet Listed	120-277V / Dry Listed	
Operating Temperature	0°C (32°F) to 40°C (104°F), 50-60Hz	0°C (32°F) to 40°C (104°F), 50-60Hz	

COMPATIBLE PRODUCT	ACCESSORIES (ORDER SEPARATELY)					
	DOOR FRAME		DOOR FRAME & WIRE GUARD		DOOR FRAME, LENS & WIRE GUARD	
	ITEM #	ORDER CODE	ITEM #	ORDER CODE	ITEM #	ORDER CODE
BLHT115	MLFHBL4DF	71827	MLFHBL4DFWG	72053	MLFHBL4DFWGL	72049
BLHT150	MLFHBL6DF	71826	MLFHBL6DFWG	72054	MLFHBL6DFWGL	72050
BLHT235	MLFHBL8DF	72447	MLFHBL8DFWG	72887	MLFHBL8DFWGL	72448
COMPATIBLE PRODUCT	CABLE HANGING KIT		MODULAR WIRING DROP - 120V		MODULAR WIRING DROP - 277/480V	
	ITEM #	ORDER CODE	ITEM #	ORDER CODE	ITEM #	ORDER CODE
	BLHT115					
BLHT150	MLCHKSQ	71119	BLHTD120-125	101286	BLHTD277/480-125	75324
BLHT235						

\*\* For frosted lens, please contact MaxLite

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## LED HIGH BAY PENDANT – HP SERIES

### ● Features

- Five years limited warranty
- Power Factor > 0.9
- 0-10V Dimming
- High performance with efficacy of 140 lm/W
- Indoor / Damp rated
- L70 Lifetime of minimum 100,000 hours
- Standard hook attachment provided
- Operating temperature: -4°F to 122°F

### ● Applications

- Retail & big box stores
- Auto showrooms
- Gymsnasiums
- Warehouses
- Manufacturing facilities



# LED HIGH BAY PENDANT – HP SERIES



PROJECT NAME: \_\_\_\_\_ CATALOG NUMBER: \_\_\_\_\_  
 NOTES: \_\_\_\_\_ FIXTURE SCHEDULE: \_\_\_\_\_

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## LED HIGH BAY PENDANT HP SERIES

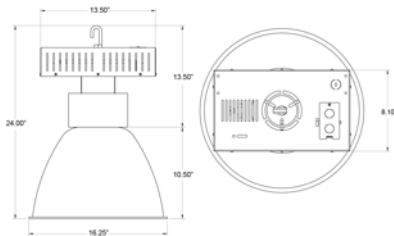


### PRODUCT DESCRIPTION:

The LED Acrylic Highbay Pendant blends high performance with a premium aesthetic that is well suited to many industrial and commercial applications, including retail and big box stores, auto showrooms, gymnasiums, warehouses and manufacturing facilities. The highbay features cutting-edge optics and a durable acrylic reflector that deliver high vertical footcandles with minimal glare. Achieving more than 140 lumens per watt, the highbay qualifies for DesignLights Consortium 4.0 performance specifications.

### FEATURES:

- Five years limited warranty
- Power Factor > 0.9
- 0-10V Dimming
- High Performance with efficacy of 140 lm/W
- Indoor / Damp rated
- L70 Lifetime of minimum 100,000 hours
- Standard hook attachment provided
- Operating temperature: -4°F to 122°F



MODEL SELECTION		Typical order example: HP-120UVA-00H-500							
HP			A			H	S	00	
FAMILY	WATTAGE	VOLTAGE	REFLECTOR	BBU	SENSOR	MOUNTING	CCT	SKU	
HP <sub>80</sub> High Bay Pendant	80W 120W 155W	120-277V	A= Acrylic Shade	B= None B= Battery Backup Unit	S= None M= On/Off Sensor L= Bi-Level Sensor	H= Hook & Stem (Standard)*	S= 5000K	00= Standard SKU	

Acrylic shade included in shipment of all model numbers.  
 \*To stem mount product, remove hook in the field.

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## LED HIGH BAY PENDANT HP SERIES

Page: 2 of 2

### SPECIFICATIONS:

ITEM	SPECIFICATION	HP-080UVA-00H-500	HP-120UVA-00H-500	HP-155UVA-00H-500
		DETAILS		
GENERAL PERFORMANCE	Power Consumption (W)	82.4	120.0	157.2
	Lumens Delivered (lm)	11,600	16,800	22,200
	Efficacy (lm/W)	141	140	141
	CRI	≥85		
	Color Temperature (K)	5000K		
	L70 Lifetime (hours)	100,000		
	Color Consistency	Proprietary binning for uniform color		
ELECTRICAL	HID Equivalent	200W MH	200W+ MH	400W MH
	Power Factor	0.99		
PHYSICAL	Input Voltage	120-277V		
	Mounting	Hook and Stem Standard*		
	Operating Temperature	-4°F to 122°F		
CERTIFICATION	Humidity	20-85% RH, non-condensing		
	Certification	cULus, DLC Premium, FCC, Lighting Facts		
	Material Usage	RoHS compliant, no mercury		
	Environment	Indoor / Damp		
	Warranty	5 Years		

\*To stem mount product, remove hook in the field.

### ORDERING\*:

HIGH BAY				
ORDER CODE	MODEL#	WATTAGE	MOUNTING	CCT
101020	HP-080UVA-00H-500	80	Hook	5000K
101022	HP-120UVA-00H-500	120		
101023	HP-155UVA-00H-500	155		

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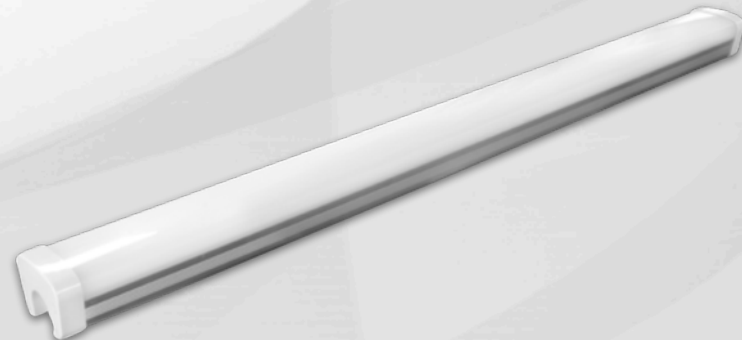
# TRIMAX VAPOR TIGHT SERIES

## ● Features

- Non-corrosive (PC) polycarbonate housing
- 120° wide beam angle
- High efficacy at 115 lm/W
- Surface mount standard and suspension kit optional
- IP66 rated with hermetic sealing
- CRI >80
- PF >0.9
- 0-10V Dimming standard
- DLC Premium - Low Bay qualified
- White finish standard

## ● Applications

- Commercial/Industrial
- Warehouses
- Parking Lots
- Stair Wells



# TRIMAX VAPOR TIGHT SERIES



PROJECT NAME: \_\_\_\_\_ CATALOG NUMBER: \_\_\_\_\_  
 NOTES: \_\_\_\_\_ FIXTURE SCHEDULE: \_\_\_\_\_

Page: 1 of 2

## TRIMAX TRI-PROOF VAPOR TIGHT SERIES



### PRODUCT DESCRIPTION:

The TriMax Vapor Tight is a linear LED product with high efficiencies of 115 lm/W, an aluminum body to enhance heat dissipation, and flexible installation supporting either surface or suspended mounting kits. Designed with a full length polycarbonate lens, it is a waterproof, dustproof, and corrosion proof product that can be used in a wide variety of industrial and commercial environments such as warehouses, parking lots, stair wells, and many others.

### FEATURES:

- Non-corrosive (PC) polycarbonate housing
- 120° wide beam angle
- High efficacy at 115 lm/W
- Surface mount standard and suspension kit optional
- IP66 rated with hermetic sealing
- CRI >80
- PF >0.9
- 0-10V Dimming standard
- DLC Premium - Low Bay qualified
- White finish standard

### CONSTRUCTION:

- One piece (PC) polycarbonate lens
- Aluminum heat sink, housing, and side caps
- Frosted lens with inside ribbing
- Universal voltage 120-277V

MODEL SELECTION (Full list of order codes on pag. 2) Typical order example: VT-V4840U-40

VT	V	48	U			
FAMILY	SUB	NOMINAL WATTAGE		VOLTAGE	CCT	OPTIONS
VT <sub>s</sub> Vapor Tight	V <sub>s</sub> Vandal Resistant	48 <sub>s</sub> 48	40 <sub>s</sub> 40W 60 <sub>s</sub> 60W	U <sub>s</sub> 120-277V	40 <sub>s</sub> 4000K 50 <sub>s</sub> 5000K	(Omit) None (EM) Battery Backup Unit (MS) Motion Sensor

NOTES:  
 \*Made-to-order item. Please contact your MaxLite representative for order quantities and lead times.



## TRIMAX TRI-PROOF VAPOR TIGHT SERIES

Page: 2 of 2

### SPECIFICATIONS:

ITEM	SPECIFICATION	VT-V4840U-40	VT-V4860U-40
		DETAILS	
GENERAL PERFORMANCE	Power Consumption (W)	38.3	61.7
	Lumens Delivered (lm)	4,550	7,360
	Efficacy (lm/W)	119	119
	CRI	≥80	
	Color Temperature	4000K, 5000K	
ELECTRICAL	L70 Lifetime (hours)	50,000	
	Color Consistency	Proprietary binning for uniform color	
	Power Factor (277V)	0.9	
	Input Voltage	120-277V	
	Mounting	Surface Mounting, Suspended Mounting	
CERTIFICATION	Operating Temperature	-20°C to 40°C	
	Humidity	20-85% RH, non-condensing	
	Certifications	DLC Premium, eTLus, FCC	
	Material Usage	RoHS compliant, no mercury	
	Environment	Indoor/Wet (IP66 rated)	
Warranty	5 Years		

### ORDERING:

ORDER CODE	MODEL NUMBER	NOMINAL WATTAGE	CCT
101636	VT-V4840U-40	40	4000K
101637	VT-V4840U-50		5000K
101638	VT-V4860U-40	60	5000K
101639	VT-V4860U-50		5000K

## LED STRIP – LS SERIES

### ● Features

- Driver operates with steady performance and long lifetime
- Driver efficiency > 85%.
- CRI > 80
- L70 lumen maintenance of 50,000 hours
- 5 year limited warranty
- 0-10v dimming standard, product dimmable down to 10%
- Universal 120-277V
- Fixture may be surface, pendant, or stem mounted
- Suitable for Damp locations

### ● Applications

- Commercial/Industrial
- Retail
- Residential
- Storage/Utility Areas
- Coves
- Display Cases
- Shops, Task & General Area Lighting



Damp Listed



# LED STRIP RETROFIT KIT – RS SERIES

## Description:

- Retrofits existing strip and industrial fixtures to LED in as little as one minute. Industry's fastest LED strip retrofit kit. The universal design fits most 4.25" and 5.25" T8/T12 fluorescent wide strips.

## Features

- Driver operates with steady performance and long lifetime
- Driver efficiency >85%.
- CRI>80
- L70 lumen maintenance of 50,000 hours
- 5 year limited warranty
- 0-10v dimming standard, product dimmable down to 10%
- Universal 120-277V
- Suitable for Damp locations



## LED STRIP – LS SERIES



PROJECT NAME: \_\_\_\_\_ CATALOG NUMBER: \_\_\_\_\_  
 NOTES: \_\_\_\_\_ FIXTURE SCHEDULE: \_\_\_\_\_

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### LED STRIP LS SERIES



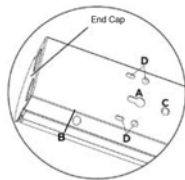
#### PRODUCT DESCRIPTION:

The small size of the LS Series makes it an ideal choice for size restricted architectural applications. The LS Series can be the illumination solution in commercial, industrial, retail and residential applications. Fixtures can be used in storage/utility areas, covers, display cases, shops, task and general area lighting.

#### FEATURES:

- Driver operates with steady performance and long lifetime
- Driver efficiency > 85%
- Temperature Limited The product has applied for a Type TL LED driver
- Standard Lifetime: Designed minimum 50,000 Hours
- Mounting: Fixture may be surface, pendant, or stem mounted
- Standard Warranty: 5 Years
- The Dimming type is continuous. The product can dim to 10%
- Suitable for Damp Location

#### MOUNTING OPTIONS:



- A- Keyhole Slots for Surface Mounting
- B- Wiring Knockouts
- C- T-Bar Clip Mounting Hole
- D- V-Hook Openings for Chain Mounting

MODEL SELECTION (Full list of order codes on pg. 2)		Typical order example: LS-4824U-50		
LS	48	U	50	
FAMILY	SIZE	WATTAGE (NOMINAL)	VOLTAGE	CCT
LS Linear Strip	48 4ft	24w 24W 36w 36W	U 120-277V	50w 5000K

NOTES:  
1. For other CCT's contact MaxLite

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### LED STRIP LS SERIES

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#### SPECIFICATIONS:

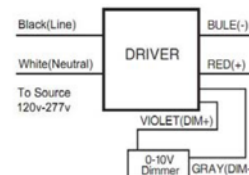
ITEM	SPECIFICATION	LS-4824U-50	LS-4836U-50
		DETAILS	
GENERAL PERFORMANCE	Power Consumption (W)	22.0	32.1
	Lumens Delivered (lm)	2,500	3,700
	Efficacy (lm/W)	114	115
	CRI	≥80	
	Color Temperature (K)	5000K	
	L70 Lifetime (hours)	50,000	
ELECTRICAL	Color Consistency	Proprietary binning for uniform color	
	Power Factor	0.9	
	Input Voltage	120-277V	
	Mounting	Fixture may be surface, pendant, or stem mounted	
	Operating Temperature	-20°C to 40°C	
CERTIFICATION	Humidity	20-85% RH, non-condensing	
	Certification	Pending	
	Material Usage	RoHS compliant, no mercury	
	Environment	Indoor/Damp	
	Warranty	5 Years	

#### ORDERING\*:

ORDER CODE	MODEL	WATTAGE	CCT
102380	LS-4824U-50	24W	5000K
102381	LS-4836U-50	36W	

\*Please contact your MaxLite representative to order products that don't have order codes listed here.

#### WIRING DIAGRAM:



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# LED STRIP RETROFIT KIT – RS SERIES



PROJECT NAME: \_\_\_\_\_ CATALOG NUMBER: \_\_\_\_\_  
 NOTES: \_\_\_\_\_ FIXTURE SCHEDULE: \_\_\_\_\_

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## LED STRIP RETROFIT KIT RS SERIES



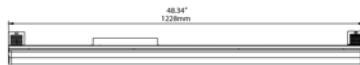
### PRODUCT DESCRIPTION:

Retrofits existing strip and industrial fixtures to LED in as little as one minute. Industry's fastest LED strip retrofit kit. The universal design fits most 4.25" and 5.25" T8/T12 fluorescent wide strips.

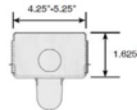
### FEATURES:

- Driver operates with steady performance and long lifetime
- Driver efficiency > 85%
- CRI > 80
- L70 lumen maintenance of 50,000 hours
- 5 year limited warranty
- 0-10v dimming standard, product dimmable down to 10%
- Universal 120-277V
- Suitable for Damp locations

### PRODUCT DIMENSIONS:



### MOUNTING DIMENSIONS:



MODEL SELECTION (Full list of order codes on pg. 2)		Typical order example: RS-4824U-50		
RS	48	U	50	
FAMILY	SIZE	WATTAGE (NOMINAL)	VOLTAGE	CCT
RS= Retrofit Strip	48= 4ft	24= 24W 36= 36W	U= 120-277V	50= 5000K

NOTES:  
1. For other CCT's contact MaxLite

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## LED STRIP RETROFIT KIT RS SERIES

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### SPECIFICATIONS:

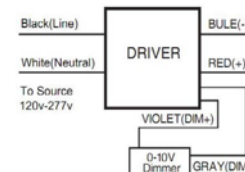
ITEM	SPECIFICATION	RS-4824U-50	RS-4836U-50
		DETAILS	
GENERAL PERFORMANCE	Power Consumption (W)	22.2	32.1
	Lumens Delivered (lm)	2,400	3,600
	Efficacy (lm/W)	108	112
	CRI	>80	
	Color Temperature (K)	5000K	
	L70 Lifetime (hours)	50,000	
ELECTRICAL	Power Factor	0.9	
	Input Voltage	120-277V	
PHYSICAL	Dimming	0-10V	
	Mounting	Retrofits into current linear fixtures	
	Operating Temperature	-20°C to 40°C	
CERTIFICATION	Humidity	20-85% RH, non-condensing	
	Certification	eULus, FCC, DLC Premium, Lighting Facts	
	Material Usage	RoHS compliant; no mercury	
	Environment	Indoor/Damp	
	Warranty	5 Years	

### ORDERING\*:

ORDER CODE	MODEL	WATTAGE	CCT
102378	RS-4824U-50	24W	5000K
102379	RS-4836U-50	36W	

\*Please contact your MaxLite representative to order products that don't have order codes listed here.

### WIRING DIAGRAM:



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## QUESTIONS/ANSWERS

Thank you everyone for your attention! Please feel free to use this opportunity to ask any questions you may have about MaxLite or the products shown in this presentation.

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