



# **Welcome 2013 LFI MaxLite Product & Service Review**

---

**June 27, 2013 Webinar**

## LED Troffer Products

### Edge Lite Overview:

Designed for drop in ceilings, MaxLite's high performance Edge Lit LED Flat Panels are the ideal energy efficient replacement for fluorescent fixtures in offices, schools, hospitality, healthcare and other commercial and industrial applications that require a 2 inch or less installation depth. Available in 1'x4', 2'x2' and 2'x4' models in 3500K (warm white) and 5000K (daylight) correlated color temperatures (CCT), the fixtures enable even light distribution to create stress-free environment's, and are dimmable to meet user preference. The Edge Lit LED Flat Panels were honored in 2011 with the Lighting for Tomorrow Honorable Mention.

### Direct Lit Overview:

Designed for drop in ceilings, MaxLite's high performance Direct Lit LED Flat Panels are the ideal energy efficient replacement for fluorescent fixtures in offices, schools, hospitality, healthcare and other commercial and industrial applications requiring only a minimal installation depth. Available in 1'x4', 2'x2' and 2'x4' models in 3500K (warm white) and 5000K (daylight) correlated color temperatures (CCT), the 45- and 60-watt LED fixtures enable even light distribution to create stress-free environments, and are dimmable to meet user preference. DLC-approved and rebateable models are available.

### Round Pendant Overview:

As the recipient of a 2012 Lighting for Tomorrow Honorable Mention, the contemporary styled 24-inch LED Round Pendant features a high lumen output and an integral driver, enabling a low profile of less than three inches in office, home, school, hospital and medical facility applications. Compatible with building controls, motion sensors, timers and daylight harvesting systems for additional energy savings, the 45-watt LED Round Pendant, available in 3500K and 5000K CCTs, is constructed with proprietary-binned LEDs with a micro-surface optic incorporated diffuser that reduces glare and offers consistent shadow less light for a L70 life of 50,000 hours. These easily installed fixtures can be hung from ceilings with three strands of adjustable length aircraft-grade cables creating a seamless ceiling canopy; surface mounted fixtures are also available.



# Eco-T Troffer

## Overview:

Designed with the look of a traditional fluorescent fixture, the DLC-approved ECO-T™ LED Recessed Troffer offers a classic recessed troffer housing with LED strips that emulate fluorescent lamps, but operates with the energy saving and long life benefits of LED technology. The ECO-T LED Recessed Troffer is a cost-effective energy efficient alternative to traditional fluorescent fixtures designed for drop in ceilings in commercial and institutional applications. Offered in 2'x2' and 2'x4' sizes, the ECO-T is offered in correlated color temperatures (CCT) of 3500K, 4100K and 5000K, and come standard with a dimming driver and prismatic clear diffuser for higher lumens.

Unlike fluorescent fixtures which throw as much as 50 percent light upward, wasting light towards the ceiling, the ECO-T LED Recessed Troffer emits 90 percent of the light in a downward 60-degree beam angle so all of the projected lighting is effectively projected onto surfaces or tabletops.



## ECO-T LINE EXTENSIONS - NEW LOWBAY!

90W 2x2 & 45W 1x4

**Up to 7000 Lumens**

90w 2x2 is in UL review now!

This will allow us a 90w cap on series & can do in all housings that pass thermal UL review is including damp listed rating.

UL inspection to complete est 4/12; & report issue est 4/19.

## Micro T Flat Panel



- All 3 sizes in series - 2x2, 1x4, 2x4
- 2x2 – developing 37w std. & 54w HO
- 2x4 – developing 72w std. & Lo-output TBD
- LM-79 – 100 degree beam angle tested to improve spacing (completed 4/4)
- LFI - showing 2x2 & 1x4, 2x4



- 1x4, 2x2 & 2x4
- 3500, 3500 & 7000 Lumens
- Universal Driver
- Dimmable (0-10)
- Damp Location



Part #	MLMT22D35xx
Part # Description	2x2 Micro-T Lay in Fixture
Wattage	35-37w
Replaces/Equiv.	2xF17TB / 3xF17TB
Lumens delivered	3100 / 3300 / 3500
CCT	3500 / 4100 / 5000
CRI	>84
Beam Angle	100 deg / 70 deg Optional
Size	23.8 x 23.8 x 2.5
Color	White
Material	Steel

HO Version - 54W at 4600-5000LM



Part #	MLMT14D35xx
Part # Description	1x4 Micro-T Lay in Fixture
Wattage	35-37w
Replaces/Equiv.	2xF32TB / 3xF32TB
Lumens delivered	3100 / 3300 / 3500
CCT	3500 / 4100 / 5000
CRI	>84
Beam Angle	100 deg / 70 deg Optional
Size	47.8 x 11.8 x 2.25
Color	White
Material	Steel



Part #	MLMT24D70xx
Part # Description	2x4 Micro-T Lay in Fixture
Wattage	70-72w
Replaces/Equiv.	3xF32TB / 4xF32TB
Lumens delivered	6600 / 6800 / 7000
CCT	3500 / 4100 / 5000
CRI	>84
Beam Angle	100 deg / 70 deg Optional
Size	47.8 x 23.6 x 2.25
Color	White
Material	Steel

Lo-Lumen Version - 54W at 4600-5000LM

## ArcMax Volumetric Troffer

- 1x4, 2x2
- Direct lit volumetric troffer with indirect look
- Same controls as Eco-T
- DLC listed
- 42W
- 3400-3750 Lumens
- 1x4 size in development



### MLVT DIRECT LIT VOLUMETRIC PANEL 2x2 and 1x4



The MaxLite Volumetric Troffer Series are LED replacements in new or remodel construction for fluorescent troffers. MaxLite's performance optic system, advanced light distribution, and architectural styling delivers unprecedented value. High efficacy, excellent color rendering, and low glare combined with a sustainable construction becomes the ideal solution for offices, schools, hospitals, retail, and other applications.

PROJECT NAME	
CATALOG NUMBER	
NOTES	
FIXTURE TYPE	ROOM SCHEDULE

#### FEATURES:

- Lumens: see below
- 42 watts nominal
- Avail. color temps: 3500, 4100, 5000K
- 50,000 Hr. Life
- Dimming: 0-10V standard
- Warranty: 5 Year
- CRI: >82
- Controlled brightness optic eliminates "Pixelation"
- LM79 test data available
- Also available in 2x4

#### CONTROL:

- Steel housing & reflectors
- Angled interior end caps for volumetric projection
- ABS reflector end caps
- PMMA milky white diffuser cover
- External driver housing, rear access
- "Stab Home" installation BUS

#### LUMINAIRE ORDERING INFORMATION:

WATTS (Nominal)	ORDER CODE	MODEL	DELIVERED LUMENS	LIFE	DIMENSIONS (W" X L" X H")	CCT
45	-	MLVT2204235	3400*	50,000	23.7 X 23.7 X 3.5	3500
45	-	MLVT2204241	3640**	50,000	23.7 X 23.7 X 3.5	4100
45	-	MLVT2204250	3750*	50,000	23.7 X 23.7 X 3.5	5000
45	-	MLVT14D4235	3400*	50,000	11.8 X 47.7 X 4.0	3500
45	-	MLVT14D4241	3640**	50,000	11.8 X 47.7 X 4.0	4100
45	-	MLVT14D4250	3750*	50,000	11.8 X 47.7 X 4.0	5000

\*Performance output is preliminary, contact MaxLite for final data  
\*\*DLC Compliant



MaxLite® 1-800-555-5629 | Fax: 973-244-7333 | Web: www.maxlite.com | E-mail: info@maxlite.com Revised: 09-07-13

	<b>Part #</b>	<b>MLVT22D42XX</b>
	<b>Part # Description</b>	<b>2X2 LAY-IN TROFFER</b>
	<b>Wattage</b>	<b>42W</b>
	<b>Replaces/Equip.</b>	<b>3x F32T8</b>
	<b>Lumens delivered</b>	<b>3250 / 3180 / 3500</b>
	<b>CCT</b>	<b>3500 / 4100 / 5000k</b>
	<b>CRI</b>	<b>&gt;82</b>
	<b>Beam Angle</b>	<b>110</b>
	<b>Size</b>	<b>23.8 X 23.8 X 3.5</b>
	<b>Color</b>	<b>WHITE</b>
<b>Material</b>	<b>STEEL / WHITE PMMA LENS</b>	

	<b>Part #</b>	<b>MLVT14D42XX</b>
	<b>Part # Description</b>	<b>1X4 LAY-IN TROFFER</b>
	<b>Wattage</b>	<b>42W</b>
	<b>Replaces/Equip.</b>	<b>2x F32 TB</b>
	<b>Lumens delivered</b>	<b>4250 / 4180 / 4560</b>
	<b>CCT</b>	<b>3500 / 4100 / 5000k</b>
	<b>CRI</b>	<b>&gt;82</b>
	<b>Beam Angle</b>	<b>110</b>
	<b>Size</b>	<b>47.8 X 11.8 X 3.5</b>
	<b>Color</b>	<b>WHITE</b>
<b>Material</b>	<b>STEEL / WHITE PMMA LENS</b>	

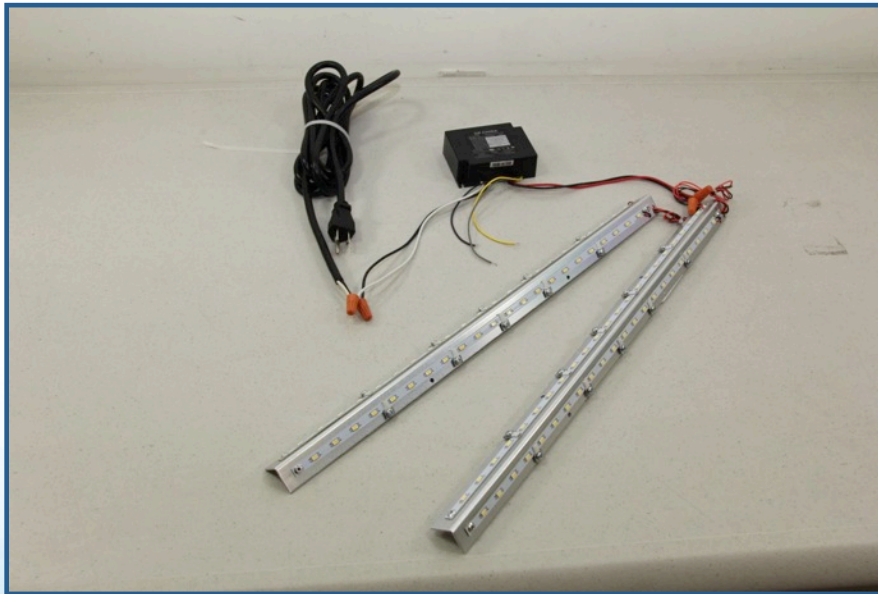
	<b>Part #</b>	<b>MLVT24D60XX</b>
	<b>Part # Description</b>	<b>2X4 LAY-IN TROFFER</b>
	<b>Wattage</b>	<b>60W</b>
	<b>Replaces/Equip.</b>	<b>3x F32T8</b>
	<b>Lumens delivered</b>	<b>4600 / 4800 / 5000</b>
	<b>CCT</b>	<b>3500 / 4100 / 5000k</b>
	<b>CRI</b>	<b>&gt;82</b>
	<b>Beam Angle</b>	<b>110</b>
	<b>Size</b>	<b>47.8 X 23.8 X 3.25</b>
	<b>Color</b>	<b>WHITE</b>
<b>Material</b>	<b>STEEL / WHITE PMMA LENS</b>	

## Troffer Retrofits



### Bat Wing RKT Retrofit Kit

- 1X4, 2X4, 4X4
- 44W and 55W
- 100-277V input
- 'S' hook for temporary hanging installation
- 0-10 volt dimming is standard
- Performance is same as ECO-T
- 55W only available on 2x4



### V Bar RKL Retrofit Kit

- 1x4, 2x2 & 2x4
- Pre-boxed one kit per box
- 25 per case
- 45 & 55W
- 55W available on 2x4 version only
- 84 LPW
- 3780 and 4620 Lumens
- 0-10v dimming is standard
- rU driver listing

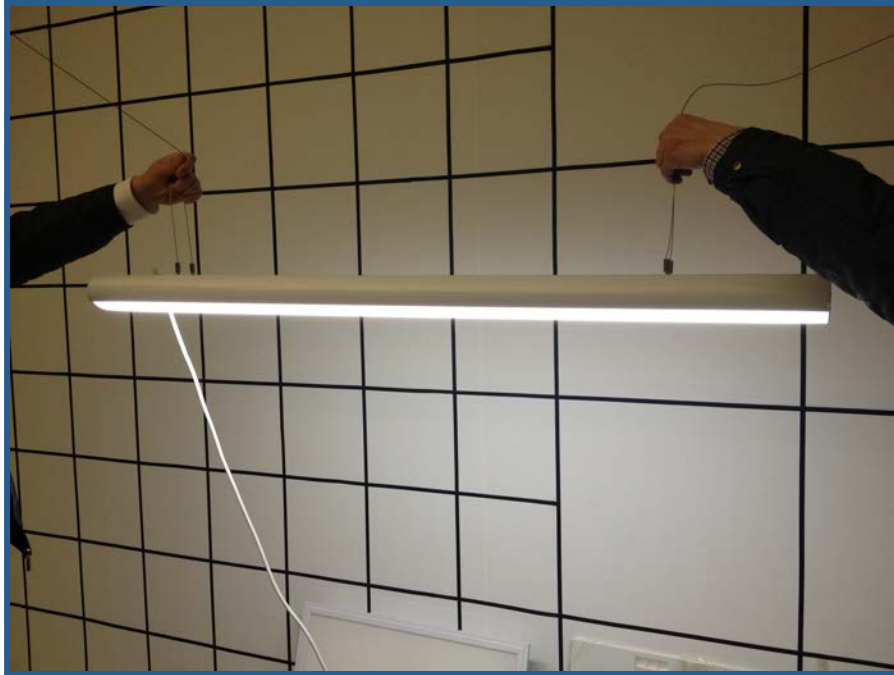
## Case Study:

Architecture Firm Taps an Energy Efficient Modern Look with 64 of MaxLite's Eco-T Panels.



- Changed from Two Lamp 32-Watt T8 Linear Fluorescent Troffers
- Changed to Eco-T PANEL 45W 2FT X 2FT 4100K CRI 85
- \$0.15 Per kwh, 12 Hours Per Day, 365 Days Per Year
- Time until Payback - 2.237 Years!
- Total Saving over the life of the LED fixture - **\$16,234.67**





The L Form is a linear LED product with Damp location rating, available as a surface or pendant mount and will have options such as interconnect for continuous rows and sensors. We showed the 22-watt and 44-watt surface mount and 44-watt pendant at Light fair. The lumens are 2500 for the 22-watt and 5000 for the 44-watt.

The fixture was first envisioned as a retail or classroom fixture with continuous mounting, but the potential applications seem to go way beyond that. Since it has a damp location rating, we see opportunities for parking garages and canopies too.





## SECURITY LIGHT WITH PHOTOCELL

**14 Watts**

(Replaces 70W HPS/ Metal Halide)

### Applications for this Product

- Mini wall pack
- Hotel & Motel
- Entryways
- Self Storage Units



## Case Study:

### MaxLite Modernizes Self Storage Facility with 68 LED Security Lights

- Changed from 85 Watt CFL Area Light
- Changed to 14W Wall Mount Security Light with Photo Control
- \$0.10 Per kwh, 12 Hours Per Day, 365 Days Per Year
- Time until Payback - 1.617 Years!
- Total Saving over the life of the LED fixture - **\$ 34,054.43**





## **14 Watts**

3.4"H x 4.5"W x 4.0"D

*Replaces  
35W HPS*

## **30 Watts**

5.6"H x 7.1"W x 5.4"D

*Replaces  
100W Metal Halide*

## **50 Watts**

7.6"H x 8.9"W x 6.3"D

*Replaces  
175W Metal Halide*

## **Now in available in a narrow beam!**

### **Applications for this Product**

- **Lighting facades**
- **Lighting displays & signs**
- **General Security lighting\***
- **Schools**
- **Businesses**
- **Strip Malls**
- **Apartment Parking Areas**
- **Landscape accenting**
- **Trees**
- **Planters**
- **Water Features**
- **Excellent Fit under difficult tight eaves**

## Case Study:

MaxLite Illuminates Palm Trees in South Carolina.

- Changed from 70HPS Recessed Canister Fixture
- Changed to FLOOD LIGHT, SMALL YOKE MOUNT 14W LED
- \$0.09 Per kwh, 12 Hours Per Day, 365 Days Per Year
- Time until Payback - 1.865 Years!
- Total Saving over the life of the LED fixture - **\$ 19,366.97**





**20 Watt**  
8.9" L x 8.9" W x 7.2" H  
Replaces  
100W Metal Halide

Use Parking Canopy in DLC Rebate Areas, Use Garage Everywhere Else. Canopies can be used in parking structures and garage facilities.



**40 Watt**  
12.25" L x 12.25" W x 9" H  
Replaces  
175W Metal Halide

**40 Watt**  
12.25" L x 12.25" W x 9" H  
Replaces  
175W Metal Halide



**60 Watt**  
12.25" L x 12.25" W x 9" H  
Replaces  
250W Metal Halide

**70 Watt**  
12.25" L x 12.25" W x 9" H  
Replaces  
250W Metal Halide

## Case Study:

MaxLite Illuminates Grocery Retailers' Backroom Coolers with 45 New LED Canopy Fixtures.

- Changed from 175 watt Metal Halide Canopy Light
- Changed to LED CANOPY FIXTURE 40W 12" X 12" SURFACE MOUNT
- \$0.12 Per kwh, 24 Hours Per Day, 365 Days Per Year
- Time until Payback - 1.609 Years!
- Total Saving over the life of the LED fixture - **\$ 46,439.87**





**30 Watt**  
Replaces  
150W Metal Halide

Applications are commercial and Industrial facilities. The full cut off Type has more intense light and the Traditional type covers more ground.



**40 Watt**  
18.5" L x 9.5" W x 9.0" H  
Replaces  
175W Metal Halide

**60 Watt**  
18.5" L x 9.5" W x 9.0" H  
Replaces  
250W Metal Halide



**20 Watts- Full Cut Off**  
12.6" L x 11.26" W x 9" H  
Replaces  
100W Metal Halide

**30 Watts- Full Cut Off**  
12.6" L x 11.26" W x 9" H  
Replaces  
150W Metal Halide



**40 Watts- Full Cut Off**  
16.7" L x 13.7" W x 9" H  
Replaces  
175W Metal Halide

**70 Watts- Full Cut Off**  
16.9" L x 13.6" W x 9" H  
Replaces  
250W Metal Halide

## Case Study:

MaxLite “Brightens Up” Lights and Lives of School Campus, 95 Wallpacks fixtures.

- Changed from 250 Watt Metal Halide Wallpack
- Changed to LED 40W LARGE WALL PACK FULL CUT-OFF
- \$0.18 Per kwh, 12 Hours Per Day, 365 Days Per Year
- Time until Payback - 1.445 Years!
- Total Saving over the life of the LED fixture - **\$149,408.53**







# MAXLITE LED LAMPS

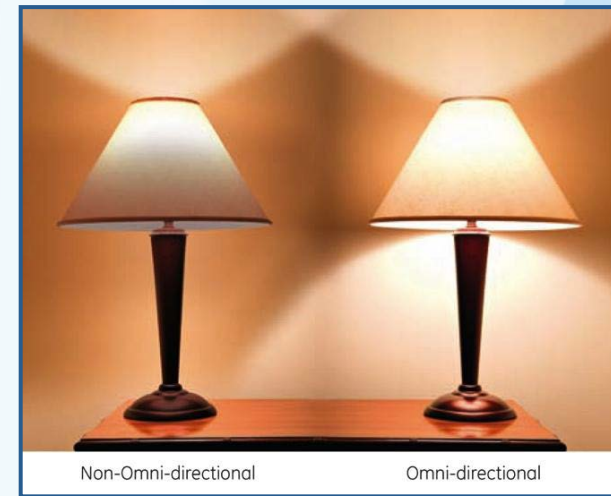


	<u>Watts</u>	<u>CCT</u>	<u>Lumens</u>
SKR1606DLED30-136	6W	3000k	370
SKR2008DLED30-136	8W	3000k/5000k	380
SKR3013DLED30-136	13W	3000k/5000k	700
SKR3820DLED30-136	20W	3000k/5000k	1200

	<u>Watts</u>	<u>CCT</u>	<u>Lumens</u>	<u>Efficacy</u>
E* BR20	7	3000k	450	64 lm/w
E* BR30	9	3000k	750	83.3
E* BR40	13	3000k	950	73


	<u>Part #</u>	<b>SKR3820LED250</b>
	<u>Part # Description</u>	<b>277v LED PAR38</b>
	<u>Wattage</u>	<b>20</b>
	<u>Replaces/Equiv.</u>	<b>120w PAR 38</b>
	<u>Lumens Initial</u>	<b>1600, 1700</b>
	<u>CCT</u>	<b>4000, 3000</b>
	<u>CRI</u>	<b>80</b>
	<u>Beam Angle</u>	<b>25</b>
	<u>Size</u>	<b>3.1x4.75</b>
	<u>Color</u>	<b>White</b>
<u>Material</u>	<b>Aluminum</b>	

	<u>Part #</u>	<b>SKR3011DLED30S</b>
	<u>Part # Description</u>	<b>LED PAR30 Shortneck</b>
	<u>Wattage</u>	<b>11.0</b>
	<u>Replaces/Equiv.</u>	<b>50w</b>
	<u>Lumens DELIV</u>	<b>600</b>
	<u>CCT</u>	<b>300</b>
	<u>CRI</u>	<b>80</b>
	<u>Beam Angle</u>	<b>35</b>
	<u>Size</u>	<b>3.7"x3.6"</b>
	<u>Color</u>	<b>Silver</b>



	<u>Watts</u>	<u>CCT</u>	<u>Lumens</u>	<u>Efficacy</u>
SKB07DLED	7	3000k/5000k	470	62 lm/w
SKB11DLED	11	3000k/5000k	800	72 lm/w

	<u>Watts</u>	<u>CCT</u>	<u>Lumens</u>	<u>Efficacy</u>
OMNI 15W A19 (SKBO15DLED30)	15	3000k	1100	73
OMNI 10W A19 (SKBO10DLED30) - lab	10	3000k	800	80
OMNI 6W A19 (SKBO6DLED30)	6W	3000k	450	75




Part #	SKBO15GUDLED30
Part # Description	15w GU24 Omni A
Wattage	15
Replaces/Equiv.	75w
Lumens Initial	1100
CCT	3000
CRI	80
Beam Angle	300
Size	3.1"x2.75"
Color	White
Material	Aluminum

**GU24**  
CSD 5/13


# MAXLITE LED LAMPS





	<b>Part #</b>	<b>SKCC4.0DLED27</b>
	<b>Part # Description</b>	<b>LED Torpedo</b>
	<b>Wattage</b>	<b>4w</b>
	<b>Replaces/Equiv.</b>	<b>23w</b>
	<b>Lumens Initial</b>	<b>230</b>
	<b>CCT</b>	<b>2700k</b>
	<b>CRI</b>	<b>80</b>
	<b>Beam Angle</b>	<b>N/A</b>
	<b>Size</b>	<b>4.4x1.5</b>
	<b>Color</b>	<b>Silver</b>
<b>Material</b>	<b>Aluminum</b>	


	<b>Part #</b>	<b>SKCC4.0DLED30F</b>
	<b>Part # Description</b>	<b>LED Flametip</b>
	<b>Wattage</b>	<b>4w</b>
	<b>Replaces/Equiv.</b>	<b>23w</b>
	<b>Lumens Initial</b>	<b>240</b>
	<b>CCT</b>	<b>3000k</b>
	<b>CRI</b>	<b>80</b>
	<b>Beam Angle</b>	<b>N/A</b>
	<b>Size</b>	<b>4.6x1.5</b>
	<b>Color</b>	<b>Silver</b>
<b>Material</b>	<b>Aluminum</b>	


E\* Listed

	<b>Part #</b>	<b>SKG0902LED27</b>
	<b>Part # Description</b>	<b>Zw G9 Retrofit Lamp</b>
	<b>Wattage</b>	<b>2w</b>
	<b>Replaces/Equiv.</b>	<b>10w</b>
	<b>Lumens Initial</b>	<b>80</b>
	<b>CCT</b>	<b>2700</b>
	<b>CRI</b>	<b>80</b>
	<b>Beam Angle</b>	<b>NA</b>
	<b>Size</b>	<b>1.85" x .35"</b>
	<b>Color</b>	<b>White</b>
<b>Material</b>	<b>Aluminum</b>	

	<b>Part #</b>	<b>SKMR1606GUDLED30</b>
	<b>Part # Description</b>	<b>LED GU10 MR16</b>
	<b>Wattage</b>	<b>6</b>
	<b>Replaces/Equiv.</b>	<b>35w MR16</b>
	<b>Lumens Initial</b>	<b>300</b>
	<b>CCT</b>	<b>3000</b>
	<b>CRI</b>	<b>80</b>
	<b>Beam Angle</b>	<b>30</b>
	<b>Size</b>	<b>2.3" x 1.9"</b>
	<b>Color</b>	<b>White</b>
<b>Material</b>	<b>Aluminum</b>	

	<b>Part #</b>	<b>SKG150LED30</b>
	<b>Part # Description</b>	<b>LED G40 Globe</b>
	<b>Wattage</b>	<b>15</b>
	<b>Replaces/Equiv.</b>	<b>100w G40</b>
	<b>Lumens Initial</b>	<b>900</b>
	<b>CCT</b>	<b>3000</b>
	<b>CRI</b>	<b>80</b>
	<b>Beam Angle</b>	<b>NA</b>
	<b>Size</b>	<b>6.1"x4.6"</b>
	<b>Color</b>	<b>White</b>
<b>Material</b>	<b>Aluminum</b>	

	<b>Part #</b>	<b>SKG0903LED27</b>
	<b>Part # Description</b>	<b>3w G9 Retrofit</b>
	<b>Wattage</b>	<b>3</b>
	<b>Replaces/Equiv.</b>	<b>25w</b>
	<b>Lumens Initial</b>	<b>260</b>
	<b>CCT</b>	<b>2700</b>
	<b>CRI</b>	<b>80</b>
	<b>Beam Angle</b>	<b>NA</b>
	<b>Size</b>	<b>1.85" x .35"</b>
	<b>Color</b>	<b>Silver</b>
<b>Material</b>	<b>Aluminum</b>	

	<b>Part #</b>	<b>F32T8/20LED/840</b>
	<b>Part # Description</b>	<b>LED T8</b>
	<b>Wattage</b>	<b>20</b>
	<b>Replaces/Equiv.</b>	<b>32w T8</b>
	<b>Lumens Initial</b>	<b>1800, 1850, 1900</b>
	<b>CCT</b>	<b>3500, 4100, 5000</b>
	<b>CRI</b>	<b>80</b>
	<b>Beam Angle</b>	<b>N/A</b>
	<b>Size</b>	<b>48x1</b>
	<b>Color</b>	<b>White</b>
<b>Material</b>	<b>Polycarbonate</b>	





cETL classified to retrofit into the following housings:

Halo: PD7V142E, PD7V120, PD7V501E, PD7V701E, PD7V1001E, PD7V70X1E, PD7V100X1E

Juno: CV8-126/32/42T, TC908, MX8-(70,100), M8-(70,100)

Lithonia: LP8F, CCR82, LP8H, LP8

- Universal Voltage Driver.
- Energy Star testing in progress.
- Dimmable at 120V.

	Part #	RR82640W
	Part # Description	26w 8" Commercial Retrofit
	Wattage	26
	Replaces/Equiv.	2x18w PL
	Lumens Initial	1600
	CCT	4000
	CRI	80
	Beam Angle	75
	Size	8.89x8.3
	Color	Silver
Material	Aluminum	

E\* Tentative for 6-15

	Part #	RR83430W
	Part # Description	34w 8" Commercial Retrofit
	Wattage	34
	Replaces/Equiv.	2x26w PL
	Lumens Initial	1900
	CCT	3000
	CRI	80
	Beam Angle	75
	Size	8.89x8.3
	Color	Silver
Material	Aluminum	

E\* Tentative for 6-15

## Merak Wall & Tunnel



	<b>Part #</b>	MELT120U150
	<b>Part # Description</b>	MERAK TUNNEL
	<b>Wattage</b>	120W
	<b>Replaces/Equiv.</b>	250W HPS/MH
	<b>Lumens delivered</b>	10,500
	<b>CCT</b>	5000
	<b>CRI</b>	>70
	<b>Beam Angle</b>	II / III / V
	<b>Size</b>	
	<b>Color</b>	GREY
<b>Material</b>	ALUMINUM	

120-277 / 480V  
MODULAR, MORE SIZES AVAIL.  
/ BKL, WHT & BZ OPTIONAL

	<b>Part #</b>	MELW90U350
	<b>Part # Description</b>	MERAK WALL PACK
	<b>Wattage</b>	90W
	<b>Replaces/Equiv.</b>	175-250W HPS/MH
	<b>Lumens delivered</b>	7,900
	<b>CCT</b>	5000
	<b>CRI</b>	>70
	<b>Beam Angle</b>	II / III / V
	<b>Size</b>	
	<b>Color</b>	GREY
<b>Material</b>	ALUMINUM	

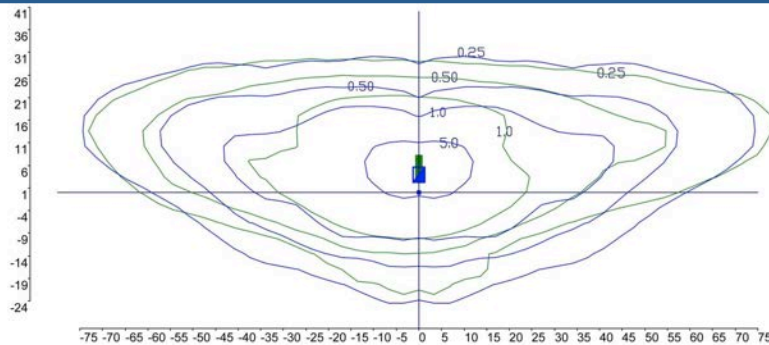
120-277 / 480V  
MODULAR, MORE SIZES AVAIL.  
/ BKL, WHT & BZ OPTIONAL

	<b>Part #</b>	MELH210U250
	<b>Part # Description</b>	MERAK HIGH BAY
	<b>Wattage</b>	210W
	<b>Replaces/Equiv.</b>	300-600 HPS
	<b>Lumens delivered</b>	18,500
	<b>CCT</b>	5000
	<b>CRI</b>	>70
	<b>Beam Angle</b>	3X5
	<b>Size</b>	
	<b>Color</b>	GREY
<b>Material</b>	ALUMINUM	

120-277 / 480V  
MODULAR, MORE SIZES AVAIL.  
/ BKL, WHT & BZ OPTIONAL

## Merak Roadway

- Independent module heat sync
- Can be used with controls and sensors
- 30W, 60W, 90W, 120W, 150W, 180W, 210W, 240W
- 120V-277V power supply
- Type I, II, or III available; other distributions available as special order



Plan View  
Scale 1" = 16'

LUMINAIRE SCHEDULE								
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
	H	1	KS-RL2R1028A2M2	KS-RL2R1028A2M2	LED	5512	0.95	61.5
	N	1	150W HPS TYPE II M-250R2		1: 150W HPS, CLEAR ED23.5, HORZ	16000	0.81	183

LUMINAIRE LOCATIONS							
No.	Label	X	Location Y	Z	MH	Orientation	Tilt
1	H	0.0	0.0	20.0	20.0	0.0	0.0
2	N	0.0	0.0	20.0	20.0	0.0	0.0

## Wrap LED Fixtures

- Production to begin week of 4/8
- UL review is completed.
- Est 4/12 to have prelim report, final report by 4/19
- 48" & 24" at LFI
- 0-10 Dimming Option
- Ceiling or Wall Mount
- Damp Rated
- 2" and 4" Lengths
- 4100 & 5000K
- Wire guard and motion sensor options

### MAXLITE LED UTILITY WRAP LS SERIES

A cost effective LED Utility Wrap Fixture, features full length U Wrap Acrylic lens, one piece fabricated steel body. Designed to meet or exceed 7-10Fc at 8' installed heights for parking drive lane compliance. For uses as utility lighting, parking garage and stairwell lighting where meets applicable building and safety codes.

#### FEATURES:

- Thermal/Lumen balanced light engine<sup>5</sup>
- Steel Construction
- Back and End Knockouts
- Class II driver, with 0-10V dimming option avail.
- Low power consumption
- Ceiling or wall mounted
- For covered use only – damp rated
- Wire Guard available
- White Finish standard
- >83CRI

#### CONSTRUCTION:

- 20 Ga. Steel body and end caps
- Clear Acrylic Prismatic Lens
- Electrostatic Paint pre-assembly
- Universal voltage 120-277v



<sup>5</sup>**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

PROJECT NAME
CATALOG NUMBER
NOTES
FIXTURE TYPE

Ordering Example: LSU4806U35DV41

LS	Class	TYPE	Length	Width	APPLICATION	Voltage	Nominal Wattage	DIMMING	CCT	Options
LS = linear Utility		U = U WRAP	48 = 48" 24 = 24"	06 = 6.75" 09 = 9"	S = surface mount	U = Universal 120-277VAC 3 = 347VAC 4 = 480VAC	20 = 20W* 28 = 28W 35 = 35W 45 = 45w**	blank = non-dimming DV = 0-10V Dimming	41=4100K 50=5000K	w= Wire Guard MS= Motion Sensor

\*20W not available in 48" length

\*\*45W not available in 24" length

\*\*\* All performance specifications are preliminary



## Vapor Tight LED Fixtures



- 48" 55w is in UL review now
- 24" & lower wattages to follow
- UL inspection to complete est 4/12; & report issue est 4/19
  
- 75LPW
- 2 and 4' Lengths
- 1875 3375 Lumens
- Possible OEM light engine
- Diffusion on inside for better optics and less dirt
- 4100 and 5000K



## Linear LED High Bay

- 11,200, 17,000 and 24,000 Lumen Models
- About 100 Lumens per Watt
- UL due to complete this week
- Will be good/better/best driver arrangements: Single non-dim/ AB bi-level supported/ single driver dimming.
- Doors with cover, and wire guards will be available
- Motion Sensor Option




Part #	BLHT110U4810
Part # Description	LED Linear HB
Wattage	110.0
Replaces/Equiv.	250w HID
Lumens delivered	11,200
CCT	5,700K
CRI	>70
Beam Angle	120
Size	11.0" x 3.1" x 47.87"
Color	white
Material	Steel Hsg. door & WG/ Acrylic Lens

Lens door, and wire guard accessories available- non-dim/AB Bi-Level/ Dimming / Luxeon LED/ Meanwell Driver



Part #	BLHT160U4815
Part # Description	LED LINEAR HB
Wattage	160.0
Replaces/Equiv.	320PS MH
Lumens delivered	17,000
CCT	5,700K
CRI	>70
Beam Angle	120
Size	13.0" x 3.1" x 47.87"
Color	WHITE
Material	Steel Hsg. door & WG/ Acrylic Lens

Lens door, and wire guard accessories available- non-dim/AB Bi-Level/ Dimming / Luxeon LED/ Meanwell Driver



Part #	BLHT250U4820
Part # Description	LED LINEAR HB
Wattage	250W
Replaces/Equiv.	400 MH
Lumens delivered	24000
CCT	5700
CRI	>70
Beam Angle	120
Size	20.0" x 3.1" x 47.87"
Color	WHITE
Material	Steel Hsg. door & WG/ Acrylic Lens

Lens door, and wire guard accessories available- non-dim/AB Bi-Level/ Dimming / Luxeon LED/ Meanwell Driver

## LED Pendant



Part #	BLH130UM50
Part # Description	LED PENDANT HB
Wattage	130
Replaces/Equip.	230W MH
Lumens delivered	10,400
CCT	3000
CRI	>72
Beam Angle	90
Size	15.5" x 13" x 5.9" (Hx'g) 24" (Hng'g)
Color	BLACK
Material	ALUM/STEEL

120-277V DIMMING/  
DACROTIZED FINISH/ CREE XP-  
G



Part #	BLH160UM50
Part # Description	LED PENDANT HB
Wattage	160
Replaces/Equip.	320FS MH
Lumens delivered	12,800
CCT	3000
CRI	>72
Beam Angle	90
Size	18.6" x 13" x 5.9" (Hx'g) 24" (Hng'g)
Color	BLACK
Material	ALUM/STEEL

120-277V DIMMING/  
DACROTIZED FINISH



Part #	BLH200UM50
Part # Description	LED PENDANT HB
Wattage	200
Replaces/Equip.	400W MH
Lumens delivered	16,000
CCT	3000
CRI	>72
Beam Angle	90
Size	21.7" x 13" x 5.9" (Hx'g) 24" (Hng'g)
Color	BLACK
Material	ALUM/STEEL

120-277V DIMMING/  
DACROTIZED FINISH

# HIGH OUTPUT FLOOD LIGHT

# High Output Flood Light



## LED High Output Flood Light Series



### APPLICATIONS:

Ideal for car dealerships, youth sports parks, golf driving ranges, façades and general area illumination, the MaxLED High Output Flood Light Series is a unique and flexible system, comprised of self-contained modular elements, representing variability in both lumen output and optics capabilities. The High Output Flood Light Series can be specified in one-, two-, or three-135-watt module configurations where each module can have one of the three available optical distributions.

### FEATURES:

- High lumen output:
  - 135 watts at 11,700 lumens (320-400 watt HPS/MH equiv.)
  - 270 watts at 23,400 lumens (720-800 watt HPS/MH equiv.)
  - 405 watts at 35,100 lumens (1000-1200 watt MH equiv.)
- Modular housing design – up to three modules can be combined
- 22- and 55-degree reflectors can be specified, in addition to 120-degree open beam for various types of applications
- IP65 rated unit with IP67 rated connections
- Discreet J-Box on each frame enables easy field install
- 120-277 universal voltages with 347 and 480V available by custom order
- CRI: >70
- CCT: 5000K (nominal)
- 50,000 hour life (L70)
- Multiple circuits on each module guard against full module light outage

### CONSTRUCTION:

- Die cast aluminum body with heat sinking across the full module, enabling a long fixture life
- Gray powder coat paint for durable finish
- Stainless steel bushing and adjustment plates
- Tempered glass lens
- Polished and plated optical reflectors
- 6"-18/3 shielded power feed cord included
- Yoke mount includes 270 deg. pivot base plate and integrated arm with side protractor for field aiming

PROJECT NAME
CATALOG NUMBER
NOTES
FIXTURE SCHEDULE



\*Each high output flood fixture module can be configured with either Narrow, Medium or Wide optics.

ORDERING MODEL LOGIC: **Typical Order Example: ELLF135UW50\*\*\***

SERIES	TECH	TYPE	WATTAGE	VOLTAGE	DISTRIBUTION	CCT
EL = High Output Flood	L = LED	F = Flood	135 = 135W; 11700 lum 270 = 270W; 23400 lum 405 = 405W; 35100 lum	U = 120-277V 3** = 347V 4** = 480V	N = Narrow 22 degree M = Medium 55 degree W = Wide 120 degree	50 = 5000K

\*\*22 degree collimator is special order only, contact MaxLite for MOQ  
 \*\*\*For 347V and 480V special order only, contact MaxLite for MOQ  
 \*\*\*\*Item ordering is typically by common beam type, for applications with mixed beam angles on same carriages contact MaxLite.  
 † Output are preliminary

Installation instructions available online: specifications are subject to change without notice  
 MaxLite®: 1-800-555-5629 | Fax: 973-244-7333 | Web: www.maxlite.com | E-mail: info@maxlite.com

## LED High Output Flood Light Series



### SPECIFICATIONS:

Item	Specification	ELLF135U	ELLF270U	ELLF405U
General Performance	Spacing Criteria	Available upon request	Available upon request	Available upon request
	Color Temperature (CCT)	5000K	5000K	5000K
	CRI	70	70	70
	Lumens Delivered	11,700	23,400	35,100
	Efficiency	86.4 lumens/watt†	86.4 lumens/watt†	86.4 lumens/watt†
Electrical	Color Consistency	Popularity binning for uniform color	Popularity binning for uniform color	Popularity binning for uniform color
	Lumen Maintenance (L70)	50,000 hours	50,000 hours	50,000 hours
	Power Factor	Over 95 %	Over 95 %	Over 95 %
Physical	Input Voltage	120-277V 50/60 Hz	120-277V 50/60 Hz	120-277V 50/60 Hz
	Power Consumption	135 Watts	270 Watts	405 Watts
	Controls	Compatible with dual-to-down photocells and motion sensors	Compatible with dual-to-down photocells and motion sensors	Compatible with dual-to-down photocells and motion sensors
Certification	Dimension (W x H x D)	5.8 inches x 18.8 inches x 23.8 inches (14.9" x 14.9" x 13.7")	5.8 inches x 18.8 inches x 23.8 inches (14.9" x 14.9" x 13.7")	5.8 inches x 18.8 inches x 23.8 inches (14.9" x 14.9" x 13.7")
	Weight	14 lbs.	28 lbs.	37 lbs.
	Housing	Die cast aluminum with powder coat paint	Die cast aluminum with powder coat paint	Die cast aluminum with powder coat paint
	Lens	Tempered glass	Tempered glass	Tempered glass
	Mounting	Module is houston mounted to carriage with 270 deg. pivoting ball pollen	Module is houston mounted to carriage with 270 deg. pivoting ball pollen	Module is houston mounted to carriage with 270 deg. pivoting ball pollen
	Operating temperature	-30°C to 50°C (-22°F to 122°F)	-30°C to 50°C (-22°F to 122°F)	-30°C to 50°C (-22°F to 122°F)
	Humidity	0% - 90% RH, non condensing	0% - 90% RH, non condensing	0% - 90% RH, non condensing
Certification	Certification	UL94 V-0	UL94 V-0	UL94 V-0
	Material Usage	RoHS compliant; no mercury	RoHS compliant; no mercury	RoHS compliant; no mercury
	Environment	Outdoor / Indoor	Outdoor / Indoor	Outdoor / Indoor
Warranty	5 year	5 year	5 year	

† Output are preliminary

### ORDERING INFORMATION:

Watts	Order Number	Model Number	Voltage	Distribution	Lamp Life (hrs.)	Dimensions (H" x W" x D")	CCT
135	71928	ELLF135UW50	UNIVERSAL 120-277V	NARROW (22 DEG.)	50,000	20.4" x 7.4" x 9.2"	5000
135	71909	ELLF135UM50	UNIVERSAL 120-277V	MEDIUM (55 DEG.)	50,000	20.4" x 7.4" x 9.2"	5000
135	71930	ELLF135UW50	UNIVERSAL 120-277V	WIDE (120 DEG.)	50,000	20.4" x 7.4" x 9.2"	5000
270	71931	ELLF270UW50	UNIVERSAL 120-277V	NARROW (22 DEG.)	50,000	21.4" x 14.9" x 13.7"	5000
270	71932	ELLF270UM50	UNIVERSAL 120-277V	MEDIUM (55 DEG.)	50,000	21.4" x 14.9" x 13.7"	5000
270	71933	ELLF270UW50	UNIVERSAL 120-277V	WIDE (120 DEG.)	50,000	21.4" x 14.9" x 13.7"	5000
405	71934	ELLF405UW50	UNIVERSAL 120-277V	NARROW (22 DEG.)	50,000	21.1" x 19.8" x 16.7"	5000
405	71935	ELLF405UM50	UNIVERSAL 120-277V	MEDIUM (55 DEG.)	50,000	21.1" x 19.8" x 16.7"	5000
405	71936	ELLF405UW50	UNIVERSAL 120-277V	WIDE (120 DEG.)	50,000	21.1" x 19.8" x 16.7"	5000



Installation instructions available online: specifications are subject to change without notice  
 MaxLite®: 1-800-555-5629 | Fax: 973-244-7333 | Web: www.maxlite.com | E-mail: info@maxlite.com



Revised: 04-15-13



Revised: 04-15-13

# MaxLite Utility Rebate Finder



- Covers 175 + utility rebate programs across US
- 2013 program updates have been completed

**Visit:** <http://www.maxlite.com/utility-rebate-programs>

# ROI Calculator

## ROI Calculator



### Compare and Save

The easy-to-use ROI calculator will help you navigate through the switch to MaxLite's LED and other energy efficient lighting products for your retrofit project. Calculate the time to payback and savings over the life of your new lamp or fixture by filling in your existing and new MaxLite product and the corresponding application details.

If you have any questions or comments please email us. [Click Here](#)

[Click to Request ROI Report](#)

Factors	Existing	MaxLite
Type *	Please Select ▾	
	Existing Type ▾	MaxLite Type ▾
Wattage *	Existing Wattage ▾	MaxLite Wattage ▾
<i>Custom Wattage</i>	<input type="text"/>	
Product *	Existing Product ▾	MaxLite Product ▾
	<input type="text"/>	<input type="text"/>
Lamp/Fixture Price *	<input type="text" value="0.00"/>	<input type="text" value="0.00"/>
<i>Rebate on Lamp/Fixture</i>		<input type="text" value="0.00"/>
Number of Lamps/Fixtures *	<input type="text" value="1"/>	<input type="text" value="1"/>
Electricity Cost Per kWh *	<input type="text" value="0.15"/>	
Days of Runtime Per Year *	<input type="text" value="365"/>	
Hours of Runtime Per Day *	<input type="text" value="12"/>	
<i>Dimming Level Percentage</i>	Dimming Percentage ▾	
Lamp/Fixture Lifetime (hrs) *	<input type="text"/>	<input type="text"/>
		<input type="button" value="Calculate"/>

\*Denotes required field

\*\*Assumes new construction, if completing a retrofit calculation, please change the cost of the existing lamp/fixture to \$0

Time Until Payback	<input type="text"/>
Total Energy Savings Over the Life of the MaxLite Lamp/Fixture	<input type="text"/>
Total Savings Over the Life of the MaxLite Lamp/Fixture	<input type="text"/>

## MaxLite Webinars

MaxLite has been hosting free webinars once per month on a variety of topics since 2010. A lot of great content has been presented, here's how to find it:

- To browse previous MaxLite Webinars, visit: <http://www.maxlite.com/webinar>
- Check/Subscribe to our YouTube channel

## Class Is In Session! 24/7

- Visit the MaxLite Lighting & Technology University at: <http://university.maxlite.com> to learn about all of MaxLite's products and gain access to many other lighting resources!



## 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.

FOR MORE INFORMATION ABOUT OTHER MAXLITE PRODUCTS, OR FOR LIGHTING QUESTIONS IN GENERAL; PLEASE CONTACT:

[info@maxlite.com](mailto:info@maxlite.com)

<http://www.maxlite.com>

1-800-555-5629