

WAVE

LIGHTING

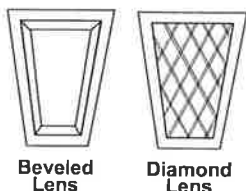
OUTDOOR POST FIXTURE 609/610

PROJECT _____

TYPE _____

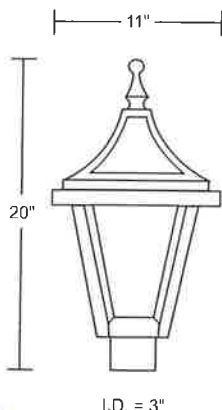
VOLTAGE _____

Marlex



Beveled Lens

Diamond Lens



SPECIFICATIONS

- Black or White
- Mounting Hardware Included
- Clear, Amber or Frosted Acrylic Diffuser
- Post Mount Only
- Minimum Starting Temp -20°F
- UL Listed for Wet Locations

Wave Lighting's 609/610 adds a welcoming look to any outdoor space. This fixture can be used to comply with 2016 Title 24 Part 6 High Efficacy LED Light Source Requirements. Wave Lighting's 609/610 fits on a 3" diameter pole (sold separately) mounting hardware is included.

LED SOURCE OPTIONS

LIGHTWAVE LED - LR/LT

- 120V, 50/60 Hz
- AC Driver-On-Board Array
- Estimated 50,000 Hrs L₇₀
- Low Flicker (LT models)
- Surge Supression
- Dimmable (see compatible dimmer list)
- High Efficacy LED Light Source
- 3000K or 4000K CCT; 80 or 90CRI
- 5 Year Warranty

E26 REPLACEABLE LED - LE26

- 120V, 50/60Hz
- "Screw-In" Medium Base A19/E26 LED Lamp
- Estimated 15,000 Hrs L₇₀
- Low Flicker (3K models)
- Dimmable (see compatible dimmer list)
- 3000K CCT 90CRI or 4000K CCT 80CRI
- 3 Year Warranty

REPLACEABLE LED CORN COB - LC

- 100-277V, 50/60Hz
- 250W Metal Halide Equivalent Lamp Included
- E39 Mogul Base Socket
- Estimated 50,000 Hrs L₇₀
- Surge Supression
- Available in 4000K CCT 80CRI
- Type 3, Type 5, or Dark Sky Distribution
- 5 Year Warranty
- DLC Listed

HIGH PRESSURE SODIUM - 70H

- HPF Integral Magnetic Ballast, 120V
- 70W Lamp Included
- 4kV Medium Base Socket
- 1 Year Warranty

CALL FOR PHOTOMETRIC INFORMATION

ITEM #	GLOBE/JAR	LIGHT SOURCE	
609-White 610-Black	ACRYLIC Clear Beveled A-Amber Beveled Diamond C-Clear Beveled Diamond F-Frosted Beveled	INCANDESCENT (1) 75W MAX Medium Base	
		HIGH PRESSURE SODIUM 70H-(1) 70W 4Kv Medium Base ☆	
		LED LIGHT SOURCE	
		LIGHTWAVE LED LR12-13W 1000lm 80CRI LR15-15W 1400lm 80CRI LR22-23W 1900lm 80CRI LT12-12W 1040lm 90CRI LT15-16W 1400lm 90CRI LT22-24W 2020lm 90CRI	CCT C-4K W-3K
		E26 REPLACEMENT LED LE26-10W 800lm ☆	
		REPLACEMENT LED CORN COB LC5- 24W 3120lm Type 5 ☆ LC3- 20W 3000lm Type 3 ☆ LCD- 24W 2400lm Dark Sky ☆	C-4K

★ Lamp Included

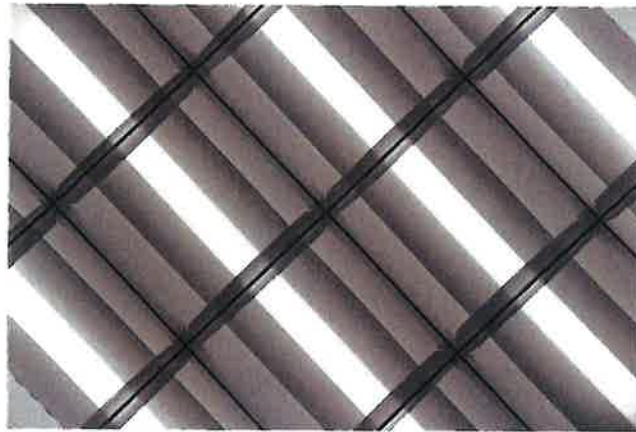
REFER TO CATALOG FOR OPTION SPECIFICATIONS - Specifications subject to change without notice - FIXTURE SPEC 1/19

WAVE LIGHTING • wavelighting.com • 877-870-9283

Parkfairfax Unit Owners Association

Parkfairfax - Martha Custis Pool

April 02, 2019



Prepared By:

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Project Summary

	Existing	After Retrofit
Number of Fixtures	22	22
Lighting System Energy Consumption (kW)	8.944	2.544
Current Utility Rate - \$/kWh	\$0.120000	

Savings Summary

Energy Reduction



27,955 kWh
REDUCED

Energy Savings



\$3,355
SAVED

Maintenance Savings



\$314
SAVED

Financial Summary

Project Cost	\$10,164.88
Tax (6.00%)	\$364.23
Less Rebates	\$0.00
Net Project Cost	\$10,529.11



2.9 yrs

This is the payback
period of time to reach
the breakeven point



235.56%

This is the return on
investment over analysis
years



\$24,802.13

This is used in
budgeting to analyze
profitability of investment



32.23%

This is a metric used to
measure profitability of
potential investment

Monthly Cost of Delay

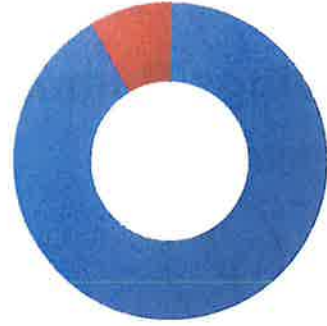
\$305.76

Project Cost & Savings Summary

The following graphs and tables show the annual project costs and savings expected with the proposed design, based on annual usage hours and a utility rate of \$0.120000 per kWh.

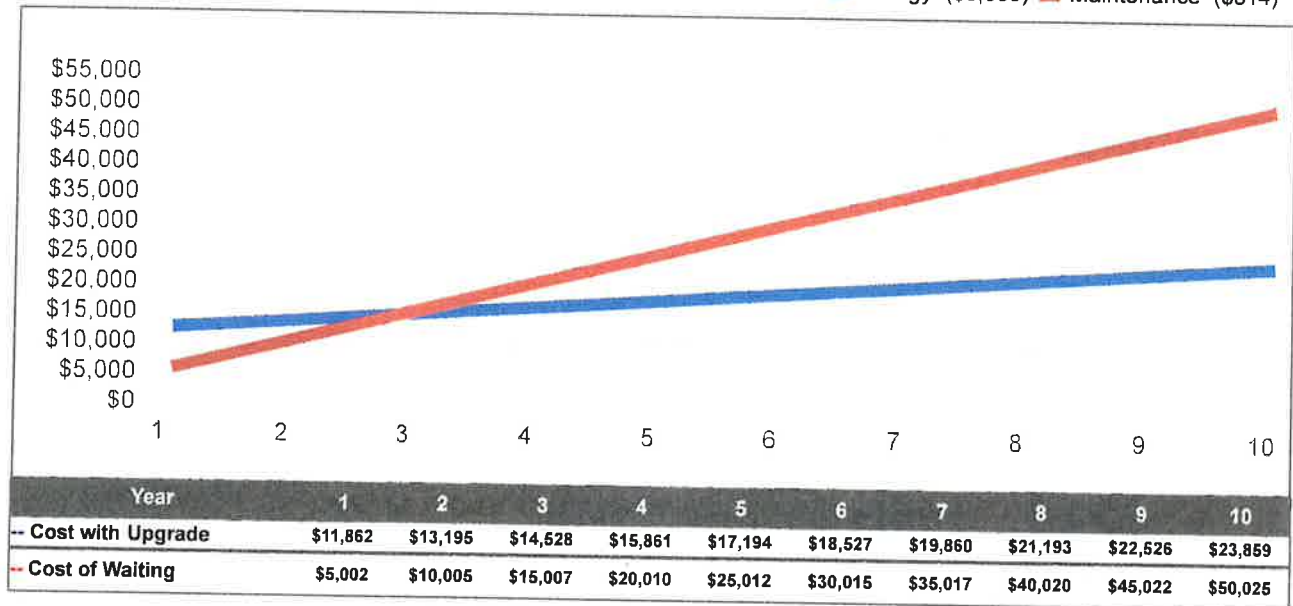
Financial Costs and Savings

	Costs	Savings
Cost of Project	\$10,529	
Incentive Estimate		\$0
Annual Energy Savings		\$3,355
Annual Maintenance Savings		\$314



The Cost of Waiting

■ Energy (\$3,355) ■ Maintenance (\$314)

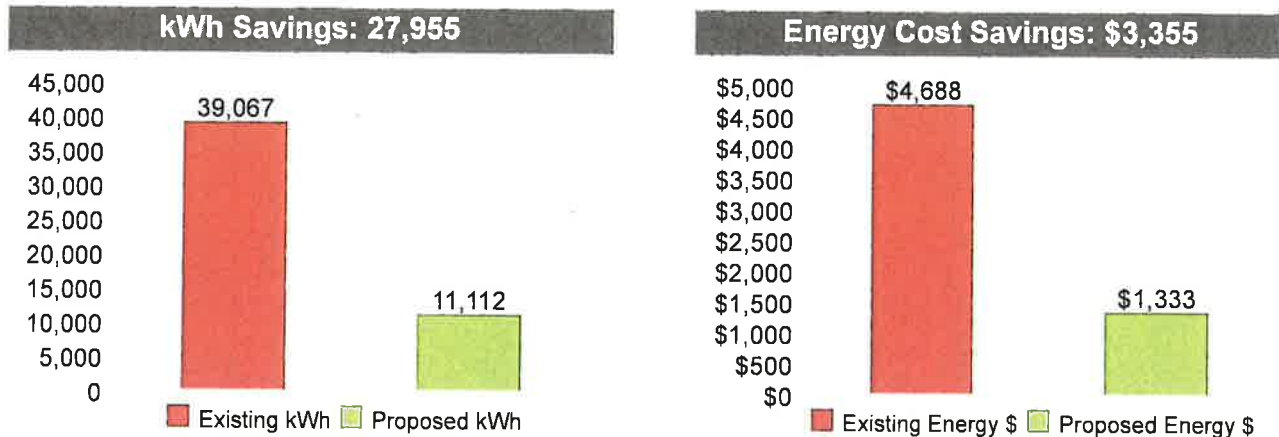


Cumulative Costs Over 10 Year Lifecycle (\$)
(Graph based on Single Investment project data)

\$36,691.20
Estimated Lifecycle Savings

Energy Savings Summary

The following graphs and tables show the annual energy savings expected with the proposed design, based on annual usage hours and a utility rate of \$0.120000 per kWh.

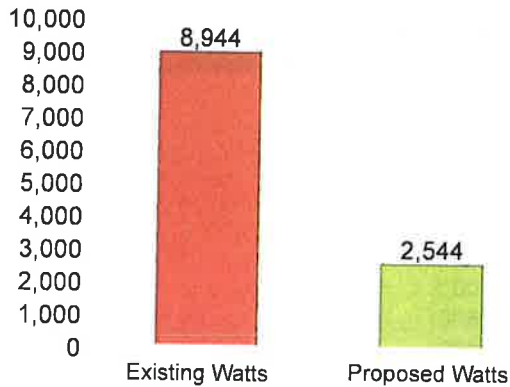


Area Detail

Location	Area	Energy Reduction %	Avg. Burn Hour Reduction %	Annual Energy Savings
PUOA0001	Pool A Martha Curtis and Holmes	71.56%	0.00%	\$3,355
Total Number of Fixtures: 22				

Fixture Summary

Fixture Watts Saved: 6,400



Proposed Actions

Retrofit	22
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Fixture Breakdown

Existing			Proposed				Savings
Fixture Name	Qty	Watts	Solution Name	Qty	Watts	Action	Watts
MH-MH400-2	4	3,664	Best Lighting, 150W Area Light, 4000K, SF Mount, Type 3, 2L	4	1,200	Retrofit	2,464
MH-MH400-4	2	3,840	Best Lighting, 150W Area Light, 4000K, Trunnion Mount, Type 3, 4L Slip-Filter Mounting Bracket, 80-280W	2	1,200	Retrofit	2,640
MH-MH70-1	16	1,440	Marlex, Vanguard Post Top, Maxiite, 9W, LED A19, 4000K, Dim, Enclosed	16	144	Retrofit	1,296

Annual Environmental Impact

Reducing energy use is the quickest, safest, most cost-effective way to reduce the emission of greenhouse gases that accompanies the generation of electricity from fossil fuels. Reducing 27,955 kWh per year on this project is equivalent to:



43,326.4 lbs. CO₂ Saved

(Leading Cause of Global Warming)

- OR -



4.2 Cars Removed from Road

(4.73 Metric Tons of CO₂ / Passenger Vehicle)

- OR -



2,211.4 Gallons of Gas Consumed

(0.008887 Metric Ton of CO₂ per Gallon of Gasoline)

- OR -



503.9 Tree Seedlings Grown

(0.039 Metric Ton of CO₂ per Urban Tree Planted for 10 years)

- OR -



18.5 Acres of Forest in 1 Year

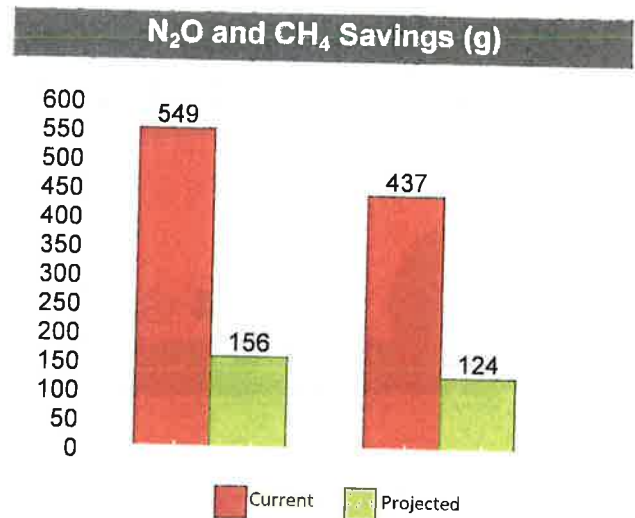
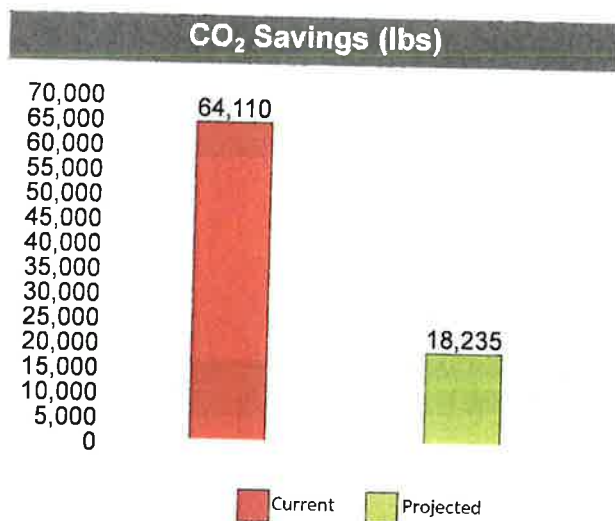
(1.06 Metric Tons of CO₂ Sequestered Annually by 1 Acre of U.S. forest)

Cited using
<https://www.epa.gov/energy/greenhouse-gases-equivalencies-calculator-calculations-and-references>

Annual Greenhouse Gas Impact

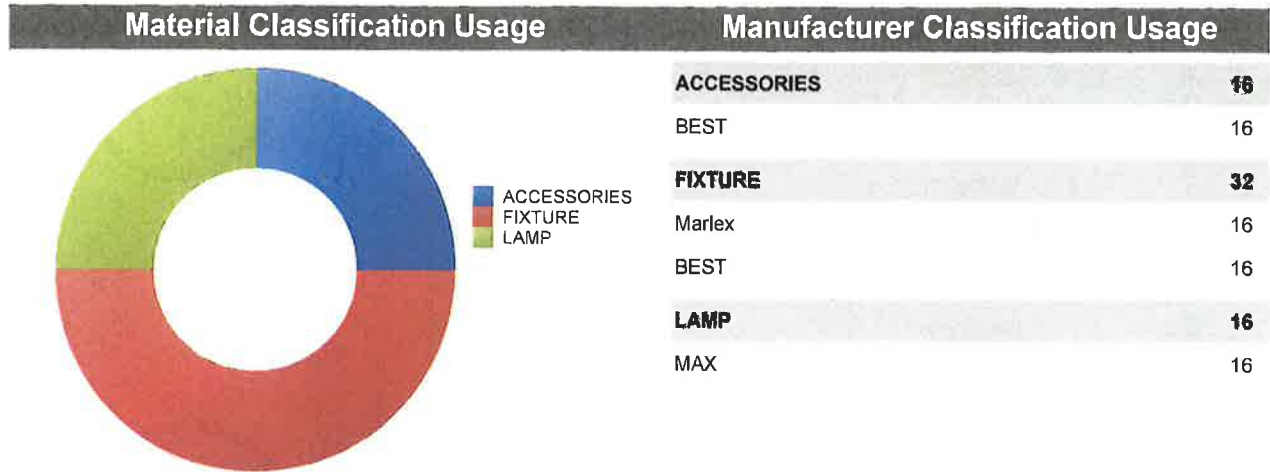
Reducing energy use is the quickest, safest, most cost-effective way to reduce the emission of greenhouse gases that accompanies the generation of electricity from fossil fuels. Reducing 27,955 kWh per year on this project reduces:

Greenhouse Gas	Current	Projected	Saved
Carbon Dioxide, CO ₂ (lbs)	64,110	18,235	45,874
Nitrous Oxide, N ₂ O (g)	549	156	393
Methane, CH ₄ (g)	437	124	313



Cited using
<https://www.epa.gov/energy/greenhouse-gases-equivalencies-calculator-calculations-and-references>

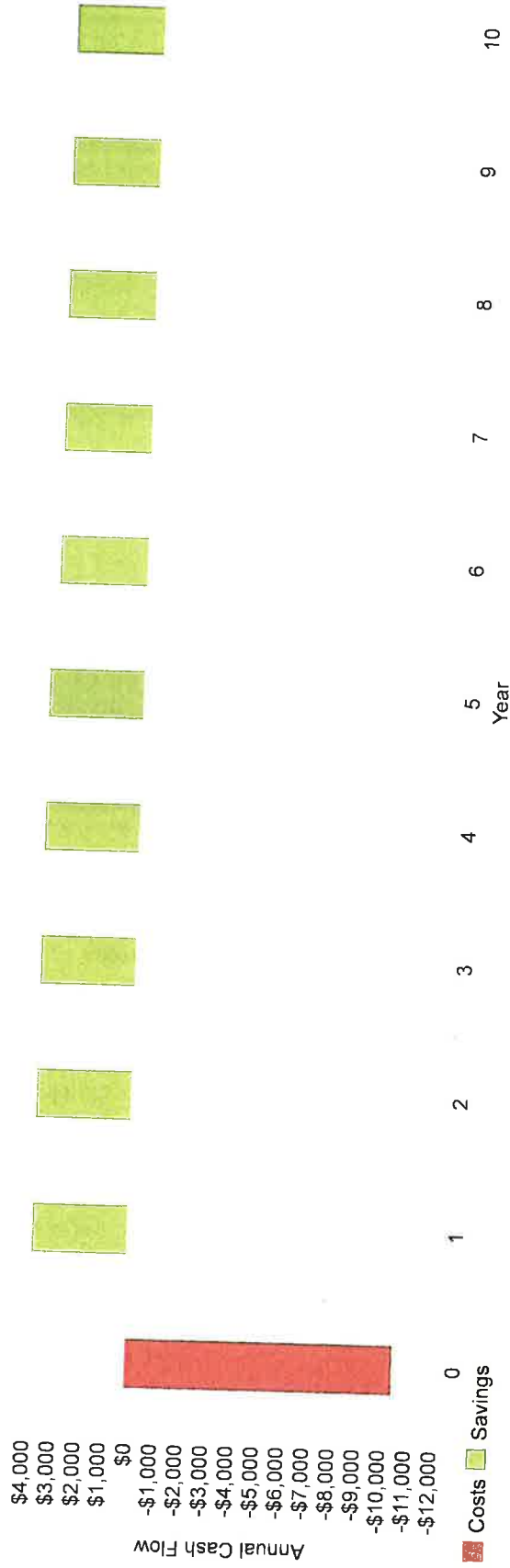
Material Summary



Materials Breakdown

Description	Qty	Rated Life	Warranty Years
ACCESSORIES 16			
Slip-Fitter Mounting Bracket, 80-280W	16	0	0
FIXTURE 32			
Marlex, Vangaurd Post Top	16	0	0
Best Lighting, 150W Area Light, 4000K, Trunnion Mount, Type 3	16	70,000	5
LAMP 16			
Maxlite, 9W, LED A19, 4000K, Dim, Enclosed	16	25,000	5

Cash Flow Graph



	Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
SUBTOTAL COSTS	\$10,529	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SUBTOTAL SAVINGS	\$0	\$3,669	\$3,669	\$3,669	\$3,669	\$3,669	\$3,669	\$3,398	\$3,398	\$3,398	\$3,398
TOTAL CASH FLOWS	-\$10,529	\$3,669	\$3,669	\$3,669	\$3,669	\$3,669	\$3,669	\$3,398	\$3,398	\$3,398	\$3,398

\$24,802
NPV

235.56%
ROI

32.23%
IRR

3.36
SIR

Fixture Detail

Totals		22	39,067	22	11,112	\$0	\$3,355	\$0	\$314							
Area		Existing				Proposed Solution				Savings						
Room	Existing	Watts	Qty	Burn	kWh	Proposed	Watts	Qty	% Red. Burn	kWh	Ctrl Qty	Rebates	Energy	HVAC	Maintenance	
PUOA0001 / Pool A Martha Curtis and Holmes																
Poles 8 feet	MH-MH70-1 /	Marlex, Vanguard Post														
	Post Top-Medium-Frosted-Pole-No	90.0	16	4,368	6,290	Top, Maxlite, 9W, LED	9.0	16	0	4,368	629	0	\$0	\$679	\$0	\$175
						A19, 4000K, Dim, Enclosed										
Tennis Court Poles 20 feet	MH-MH400-2 /	Best Lighting, 150W														
	Shoe Box-Medium-Clear-No	916.0	4	4,368	16,004	Area Light, 4000K, SF	300.0	4	0	4,368	5,242	0	\$0	\$1,292	\$0	\$35
						Mount, Type 3, 2L										
Tennis Court Poles 20 feet	MH-MH400-4 /	Best Lighting, 150W														
	Shoe Box-Medium-Clear-Slipfilter-No	1920.0	2	4,368	16,773	Area Light, 4000K, Trunnion Mount, Type	600.0	2	0	4,368	5,242	0	\$0	\$1,384	\$0	\$105
						3, 4L Slip-Fitter Mounting Bracket, 80-280W										
Totals		22	22	39,067	22	11,112	\$0	\$3,355	\$0	\$314						

LEDMPAL150 150 Watt Multi-Purpose LED Area Light



Project:	
Type:	
Catalog #:	

STANDARD



The LEDMPAL series is a group of architectural LED area luminaires designed to illuminate parking areas, pathways, building facades, loading docks, and a variety of other general site lighting applications. Multiple mounting options make the LEDMPAL a versatile luminaire for flood lighting, pole-, ground-, and wall-mounted area lighting, and other outdoor lighting requirements.

FEATURES

- 120-277V models available in 3000k (warm white), 4000K (neutral white) and 5000K (cool white). 277-480V models available in 4000k & 5000k.
- Long-life LEDs provide 58,000 hours of operation with at least 70% of initial lumen output (L_{70}).
- Standard optic provides an IES roadway type V distribution, or a 7V (vertical) x 7H (horizontal) NEMA floodlight distribution.
- Type III models (120-277V) deliver 16,695 lumens and 109 lumens per watt (LPW) at 3000k; and 18,303 lumens and 120 LPW at both 4000k and 5000k.
- Type III models (277-480V) deliver 17,517 lumens and 120 LPW at 4000k; and 17,919 lumens and 123 LPW at 5000k.
- Type V models deliver (120-277V) 19,887 lumens and 130 LPW at 3000k; 18,486 lumens and 121 LPW at 4000k; and 18,752 lumens and 123 LPW at 5000k.
- Type V models (277-480V) deliver 17,972 lumens and 123 LPW at 4000k; and 18,167 lumens and 124 LPW at 5000k.
- Universal 120-277 or 277-480 AC voltage (50-60Hz) is standard.
- 0-10vdc dimming capability is standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index > 80.
- Optional glare shields (full and half) and wire guards are available.
- Die cast aluminum housing with durable, dark bronze powder coat finish, and a heat-resistant polycarbonate lens.
- Wireway enclosure is sealed with a water-tight, silicon rubber gasket.
- Effective projected areas (EPA's) are 0.38 square feet (sf, front); 0.30 sf (side) and 1.04 sf (front).
- Threaded receptacle (1/2" NPS) for photocell. Optional arms and slip-fitters provide additional photocell mounting options.
- Easy installation in new construction or retrofit applications.

* Contact factory for other color temperatures and lumen packages.
** L_{70} hours are IES TM-21-11 calculated hours.



Shown with standard trunnion mount



Shown with optional yoke mount

WARRANTY & LISTINGS

- cULus listed for wet locations (-30°C to 40°C / -22°F to 104°F).
- IP65 rated.
- DLC standard approved.
- Complies with FCC Part 15, Class B.
- Complies with EN61000-4-5, surge immunity (120-277V models protected to 6kV & 277-480V models protected to 2kV).
- 5-year warranty on all electronics and housing.

MOUNTING OPTIONS

- Trunnion mount is standard.
- Slip-fitter mount provides attachment to poles (2 3/4" O.D. tenon).
- Steel arm mount provides secure attachment to flat surfaces.
- Yoke mount models are available by special order.



Steel Arm Mount Option

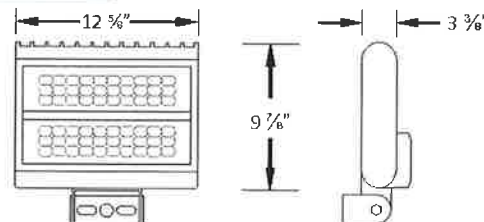


Slip-Fitter Mount Option



Yoke Mount Option

DIMENSIONS



Weight: 9.6 lb.

ORDERING INFORMATION

Examples: (Slip-Fitter, Type III): LEDMPAL150-T-4K-T3 + LEDMPAL-SF-80/300
(Yoke, Type V): LEDMPAL150-Y-4K (no options available)
(Arm, NEMA 7H x 7V) LEDMPAL150-T-4K + LEDMPAL-A-80/300

Model	Mounting Type	Luminaire Watts	Input Voltage	Color Temperature	Distribution Type ²	Luminaire Lumens	Lumens / Watt	Options ¹ (Order Separately)
LEDMPAL150	T = Trunnion ¹ Y = Yoke	153	120-277	3K = 3000k	T3 = Type III	16,695	109	LEDMPAL-SF-80/300 = Slip-Fitter Mount
			120-277	4K = 4000k	T3 = Type III	18,303	120	LEDMPAL-A-80/300 = Steel Arm Mount
			120-277	5K = 5000k	T3 = Type III	18,303	120	MPAL80/100/150-FGS = Full Glare Shield
			120-277	3K = 3000k	Type V	19,887	130	MPAL80/100/150-HGS = Half Glare Shield
			120-277	4K = 4000k	Type V	18,486	121	MPAL80/100/150-WG = Wire Guard
			120-277	5K = 5000k	Type V	18,752	123	
		146	277-480	4K = 4000k	T3 = Type III	17,517	120	
			277-480	5K = 5000k	T3 = Type III	17,919	123	
			277-480	4K = 4000k	Type V	17,972	123	
			277-480	5K = 5000k	Type V	18,167	124	

¹ Note: For Slip-Fitter or Steel Arm mounting, order a luminaire with the standard Trunnion mount installed (LEDMPAL150-T), and either the Slip-Fitter (LEDMPAL-SF-80/300) or Steel Arm (LEDMPAL-A-80/300). The Slip-Fitter and Steel Arm mounts are shipped in separate cartons than the luminaire, and are field-installed after removing the standard Trunnion mount.

² Note: Type V distribution is standard, and requires no order suffix (see example above). For NEMA flood 7H x 7V distributions, order the Type V option.

LEDMPAL150 150 Watt Multi-Purpose LED Area Light



ELECTRICAL DATA

Model	Color Temperature	CRI ¹	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Input Voltage ²	Input Current (A)			Power Factor	THD ³	L ₇₀ Hours ⁴
							120V	240V	277V			
LEDMPAL150-3K-T3	3000k	> 80	16,695	153	109	120-277	1.28	0.64	0.55	> 90%	< 20%	58,000
LEDMPAL150-4K-T3	4000k	> 80	18,303	153	120	120-277	1.28	0.64	0.55	> 90%	< 20%	58,000
LEDMPAL150-5K-T3	5000k	> 80	18,303	153	120	120-277	1.28	0.64	0.55	> 90%	< 20%	58,000
LEDMPAL150-3K	3000k	> 80	19,887	153	130	120-277	1.28	0.64	0.55	> 90%	< 20%	58,000
LEDMPAL150-4K	4000k	> 80	18,486	153	121	120-277	1.28	0.64	0.55	> 90%	< 20%	58,000
LEDMPAL150-5K	5000k	> 80	18,752	153	123	120-277	1.28	0.64	0.55	> 90%	< 20%	58,000

Model	Color Temperature	CRI ¹	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Input Voltage ²	Input Current (A)			Power Factor	THD ³	L ₇₀ Hours ⁴
							277V	347V	480V			
LEDMPAL150-T-4K-T3-480V	4000k	> 80	17,517	146	120	277-480	0.53	0.42	0.30	> 90%	< 20%	58,000
LEDMPAL150-T-5K-T3-480V	5000k	> 80	17,919	146	123	277-480	0.53	0.42	0.30	> 90%	< 20%	58,000
LEDMPAL150-T-4K-480V	4000k	> 80	17,972	146	123	277-480	0.53	0.42	0.30	> 90%	< 20%	65,000
LEDMPAL150-T-5K-480V	5000k	> 80	18,167	146	124	277-480	0.53	0.42	0.30	> 90%	< 20%	65,000

¹ Color rendering index.

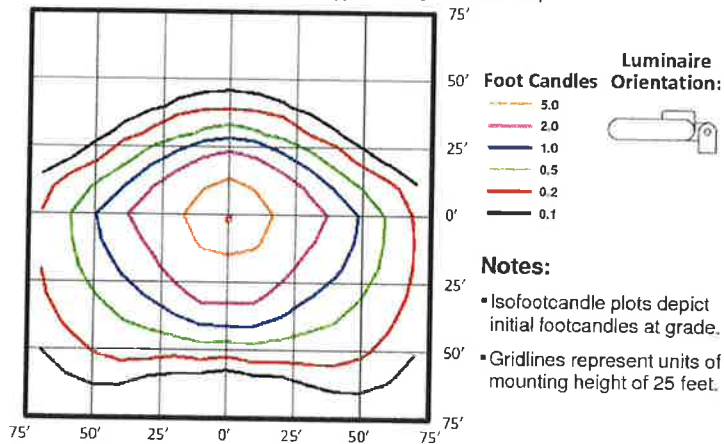
² All 50-60Hz.

³ Total harmonic distortion.

⁴ L₇₀ refers to the number of hours at which lumen output declines to 70% of the initial level. L₇₀ hours are IES TM-21-11 calculated hours.

PHOTOMETRIC DATA

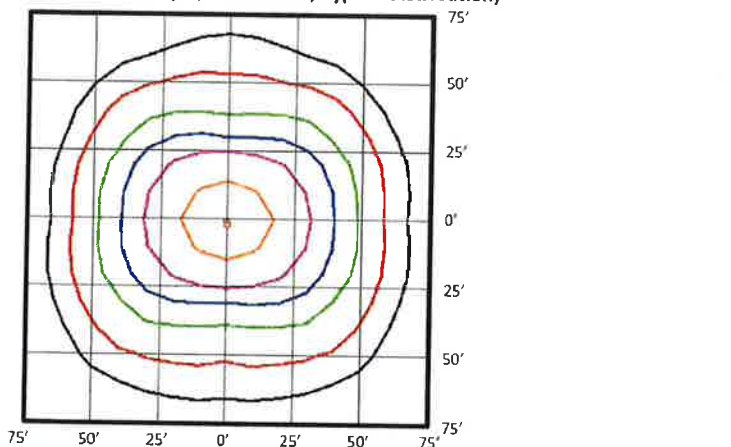
LEDMPAL150-5K (18,303 Lumens, Type III [T3] Distribution)



BUG Rating: B3-U2-G2

Zone	Lumens	%
FL - Front - Low (0-30)	2,111	12%
FM - Front - Medium (30-60)	6,330	35%
FH - Front - High (60-80)	2,860	16%
FVH - Front - Very High (80-90)	127	1%
Total Forward Light	11,428	62%
BL - Back - Low (0-30)	2,072	11%
BM - Back - Medium (30-60)	3,927	21%
BH - Back - High (60-80)	801	4%
BVH - Back - Very High (80-90)	32	0%
Total Back Light	6,833	37%
UL - Up Light - Low (90-100)	2	0%
UH - Up Light - High (100-180)	40	0%
Total Up Light	42	0%
Total Lumens	18,303	100%

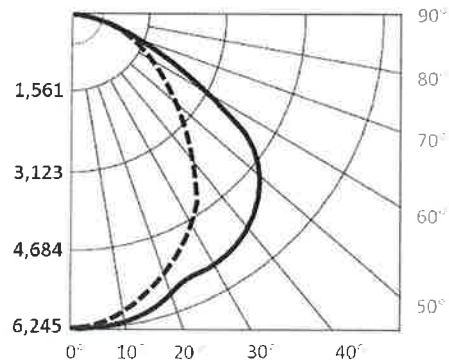
LEDMPAL150-5K (18,752 Lumens, Type V Distribution)



BUG Rating: B3-U2-G2

Zone	Lumens	%
FL - Front - Low (0-30)	2,427	13%
FM - Front - Medium (30-60)	5,077	27%
FH - Front - High (60-80)	1,832	10%
FVH - Front - Very High (80-90)	186	1%
Total Forward Light	9,522	51%
BL - Back - Low (0-30)	2,338	12%
BM - Back - Medium (30-60)	4,982	27%
BH - Back - High (60-80)	1,693	9%
BVH - Back - Very High (80-90)	170	1%
Total Back Light	9,182	49%
UL - Up Light - Low (90-100)	3	0%
UH - Up Light - High (100-180)	45	0%
Total Up Light	48	0%
Total Lumens	18,752	100%

LEDMPAL150 150 Watt Multi-Purpose LED Area Light



Maximum Candela = 6,245

— Horizontal
- - - Vertical

NEMA Floodlight Type Data

Field Angles:

- Horizontal 160°
- Vertical 163°

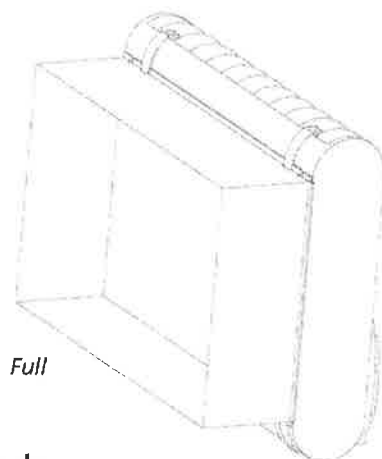
NEMA Type:

- Horizontal 7H
- Vertical 7V

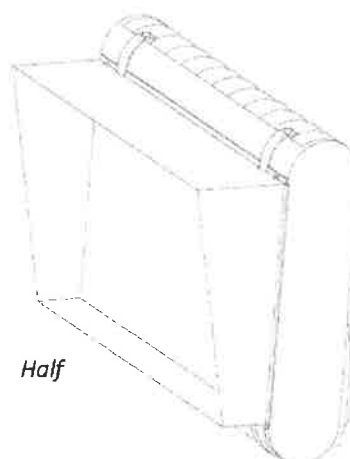
Luminaire Orientation:



Shields

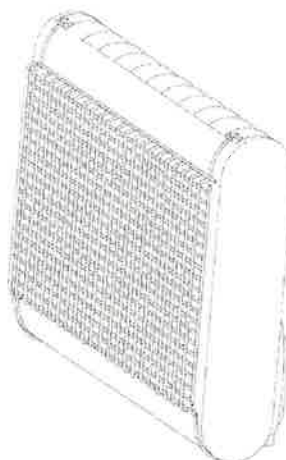


Full



Half

Wire Guards





PROJECT NAME _____ CATALOG NUMBER _____
NOTES _____ FIXTURE SCHEDULE _____

Page: 1 of 7

LED ENCLOSED RATED OMNIDIRECTIONAL A-LAMP A19 GEN 6 SERIES



6W, 9W & 11W



15W



GU24 Base



PRODUCT DESCRIPTION:

MaxLite's LED enclosed rated Omnidirectional A-Line lamp replicates true A19 incandescents. They are suited to a wide variety of residential and commercial applications, including pendants, wall sconces and table and floor lamps.

FEATURES:

- 6W, 480lm, 40W Inc. replacement
- 9W, 800lm, 60W Inc. replacement
- 11W, 1100lm, 75W Inc. replacement
- 15W, 1600lm, 100W Inc. replacement
- Dimmable down to 10%
- Power factor: ≥ 0.70
- 25,000 hour life (L70 standards)
- CRI: ≥ 80
- Volts: 120V
- ENERGY STAR certified
- Available in E26 and GU24 base
- Suitable for dry and damp locations
- Suitable for use in fully enclosed luminaires
- Five year limited warranty

APPLICATIONS

- Pendants
- Table and floor lamps
- Sconces

ORDERING:

MODEL SELECTION (Full list of order codes on pg. 2)				
FAMILY	BASE	DIMMABILITY	CCT	GENERATION
E6A19 = 6 watts, A19 E9A19 = 9 watts, A19 E11A19 = 11 watts, A19 E15A19 = 15 watts, A19	(OMIT) = E26 GU = GU24	DLED = Dimmable	27 = 2700K 30 = 3000K 40 = 4000K 50 = 5000K*	/G6 = Generation 6

NOTES:

1. E6A19LED27/G6 is available in bulk pack (50pcs)
2. E9A19LED27/G6 is available in 4-Packs and bulk pack (50pcs)

* 5000K CCT is only available as E9A19GU24LED50/G6

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LED ENCLOSED RATED OMNIDIRECTIONAL A-LAMP A19 GEN 6 SERIES

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SPECIFICATIONS:

		E6A19DLEDxx/G6	E9A19DLEDxx/G6	E11A19DLEDxx/G6	E15A19DLEDxx/G6
ITEM	SPECIFICATION	DETAILS			
GENERAL PERFORMANCE	Power Consumption	6W	9W	11W	15W
	Lumens Delivered	480	800	1100	1600
	Efficacy (lm/w)	80	88	100	106
	CRI	≥80			
	Color Temperature (CCT)	2700K, 3000K, 4000K, 5000K*			
	Lumen Maintenance (L70)	25,000 Hours			
ELECTRICAL	Power Factor	≥0.70			
	Input Voltage	120V			
PHYSICAL	Base Type	E26			
	Operating Temperature	-4°F - 104°F			
CERTIFICATION	Certification	ENERGY STAR, UL Listed, FCC, RoHS Compliant			
	Environment	Dry, Damp			
	Warranty	5 Year Limited			

Lighting layouts and spacing criteria available upon request

* 5000K CCT is only available as E9A19DLED50/G6

ORDERING:

ORDER CODE	MODEL	ENERGY STAR	WATTS	EQUIVALENCY	DELIVER LUMENS	EFFICACY (lm/W)	CRI	CCT	DIMENSIONS (W" x H" x L")
E26 Base									
14099390	E6A19DLED27/G6	★	6	40W Inc.	480	80	80	2700K	2.36" x 4.25"
14099391	E6A19DLED27/G6/BP	★	6	40W Inc.	480	80	80	2700K	
14099392	E6A19DLED30/G6	★	6	40W Inc.	480	80	80	3000K	
14099393	E6A19DLED40/G6	★	6	40W Inc.	480	80	80	4000K	
14099394	E9A19DLED27/G6	★	9	60W Inc.	800	88	80	2700K	
14099395	E9A19DLED27/G6/4P	★	9	60W Inc.	800	88	80	2700K	
14099396	E9A19DLED27/G6/BP	★	9	60W Inc.	800	88	80	2700K	
14099397	E9A19DLED30/G6	★	9	60W Inc.	800	88	80	3000K	
14099398	E9A19DLED40/G6	★	9	60W Inc.	800	88	80	4000K	
14099399	E11A19DLED27/G6	★	11	75W Inc.	1100	100	80	2700K	
14099400	E11A19DLED30/G6	★	11	75W Inc.	1100	100	80	3000K	
14099401	E11A19DLED40/G6	★	11	75W Inc.	1100	100	80	4000K	
14099402	E15A19DLED27/G6	★	15	100W Inc.	1600	106	80	2700K	2.36" x 4.61"
14099403	E15A19DLED30/G6	★	15	100W Inc.	1600	106	80	3000K	
14099404	E15A19DLED40/G6	★	15	100W Inc.	1600	106	80	4000K	

★ ENERGY STAR certified

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ORDER CODE	MODEL	ENERGY STAR	WATTS	EQUIVALENCY	DELIVER LUMENS	EFFICACY (lm/W)	CRI	CCT	DIMENSIONS (W" x HOL")
GU24 Base									
14099405	E6A19GUDLED27/G6	★	6	40W Inc.	480	80	80	2700K	2.36" x 4.21"
14099406	E6A19GUDLED30/G6	★	6	40W Inc.	480	80	80	3000K	
14099407	E6A19GUDLED40/G6	★	6	40W Inc.	480	80	80	4000K	
14099408	E9A19GUDLED27/G6	★	9	60W Inc.	800	89	80	2700K	
14099409	E9A19GUDLED30/G6	★	9	60W Inc.	800	89	80	3000K	
14099410	E9A19GUDLED40/G6	★	9	60W Inc.	800	89	80	4000K	
100759	E9A19GUDLED50/G6	★	9	60W Inc.	800	89	80	5000K	
14099411	E11A19GUDLED27/G6	★	11	75W Inc.	1100	100	80	2700K	
14099412	E11A19GUDLED30/G6	★	11	75W Inc.	1100	100	80	3000K	
14099413	E11A19GUDLED40/G6	★	11	75W Inc.	1100	100	80	4000K	
14099414	E15A19GUDLED27/G6	★	15	100W Inc.	1600	106	83	2700K	2.36" x 4.61"
14099415	E15A19GUDLED30/G6	★	15	100W Inc.	1600	106	83	3000K	
14099416	E15A19GUDLED40/G6	★	15	100W Inc.	1600	106	83	4000K	

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COMPATIBLE DIMMERS FOR E6A19DLEDXX/G6 & E6A19GUDLEDXX/G6:

BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE
ADRONE	ADPD453LW2	NO	LUTRON	CTCL-153PDH-WH	YES	LUTRON	S-603PGH-WH	NO
	ADTP703TUW4	YES		D-600PH-3CK	NO		S-603PH-WH	NO
	ADWR703HW4	YES		D-600PH-DK	YES		SCL-153P-WH	NO
AH	SOM600	YES		D-600R-IV	YES		SCL-153PH-WH	NO
	SOM3/1000	NO		D-600R-WH	YES		SCL-153PH-WH	YES
CONFORTO COMODIDADE	DLE-01	NO		D-600RH-DK	YES		TG-600PH-IV	YES
COOPER	AAL06-C1	NO		DV-600P-WH	NO		TG-600PH-WH	NO
	DAL06P-C2-K	NO		DV-600PH-WH	YES		TG-600PNLH-WH	NO
	SAL06P-W-K	NO		DV-603F	NO		TG-603PGH-WH	NO
	TAL06P-C2-K	NO		DV-603PH-WH	YES		TGCL-153PH-WH	YES
CTL	DM600-12-3	YES		DV-603PH-WH	YES		TGCL-153PH-WH	NO
	AAL06-C1	NO		DV-603PR	NO		TGCL-153PLH-WH	NO
EATON	SAL06P-LA-K	NO		DVCL-153P-WH	YES	LUX	DM600-12	YES
	TAL06P1-C5	NO		DVCL-153P-WH	NO	MAXXIMA	MEW-DM600	YES
	TAL06P1-C5	NO		DVCL-153P-WH-3	YES	RHINE	UC7067RYE	NO
GE	18024	NO		DVCL-153PH	NO	TAANCIL	Dim-L13B	NO
HALO	SAL06P-W-HALOQF2	NO		DVCL-153PR-WH	YES			
LEGRAND	HCL453PTC	YES		DVCL-253PH	YES			
	RHCL453PW	YES		DVELV-300P-WH	NO			
LEVITON	6661	YES		DVELV-303P-WH	YES			
	6664	YES		DVW-600PH-WH	NO			
	603-6631-A	YES		DVWCL-153PH-WH	NO			
	6631-A	YES		DVWCL-153PH-WHC	NO			
	6631-LA	YES		LECL-153PH-WH	YES			
	6631-LA	NO		LGCL-153CL	NO			
	6663	NO		MACL-153M-WH	YES			
	6663-10Z	YES		MACL-153MH-WH	YES			
	6663-1W	NO		MACL-153MLH-WH	YES			
	IPE04-1LZ 400VA	NO		MACL-153MLRH-WH	YES			
	IPI06	NO		MACL-153MR-WH	YES			
	IPI06-1LZ	YES		MAELV-600-WH	YES			
	IPI10-1LZ	NO		MAW-600	NO			
	NO 6631	YES		MAW-600H-AL	NO			
	NO 6672	YES		MAW-600H-WH	NO			
	NO 6674	NO		MIR-600TH-WH	NO			
	NO 6681	NO		MRF2-6CL-WH	NO			
	NO 6681	NO		MSCL-OP153MH-WH	YES			
	NO IPI06	YES		PD-6WCL-WH-P	NO			
	S-600P-WH	NO		S-10PH	YES			
LUS	DM600-15L	NO		S-600	YES			
LUTRON	AY-600PH-WH	NO		S-600-AL	YES			
	AYCL-153P-WH	YES		S-600-IV	YES			
	AYCL-153PH	YES		S-600H-WH	YES			
	CT-103P-WH	YES		S-600P-WH	NO			
	CT-600P-WH	NO		S-600PR-WH	NO			
	CTCL-153P-WH	NO						

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COMPATIBLE DIMMERS FOR E9A19DLEDXX/G6 & E9A19GUDLEDXX/G6:

BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE
ADRONE	ADPD453LW2	YES	LUTRON	CTCL-153PDH-WH	YES	LUTRON	S-603PGH-WH	NO
	ADTP703TUW4	NO		D-600PH-3CK	NO		S-603PH-WH	NO
	ADWR703HW4	YES		D-600PH-DK	YES		SCL-153PH-WH	NO
AH	SDM600	YES		D-600R-IV	YES		SCL-153PH-WH	NO
	SDM3/1000	NO		D-600RH-WH	YES		SCL-153PH-WH	YES
CONFORTO COMODIDADE	DLE-01	NO		D-600RH-DK	YES		TG-600PH-IV	YES
COOPER	AAL06-C1	NO		DV-600P-WH	NO		TG-600PH-WH	NO
	DAL06P-C2-K	NO		DV-600PH-WH	YES		TG-600FNLH-WH	NO
	SAL06P-W-K	NO		DV-603P	NO		TG-603PGH-WH	NO
	TAL06P-C2-K	NO		DV-603PH-WH	YES		TGCL-153PH-WH	YES
CTL	DM600-12-3	YES		DV-603PH-WH	YES		TGCL-153PH-WH	NO
EATON	AAL06-C1	NO		DV-603PR	NO	LUX	DM600-12	YES
	SAL06P-LA-K	NO		DVCL-153P-WH	YES		MEW-DM600	YES
	TAL06P1-C5	NO	LUTRON	DVCL-153PH	NO	RHINE	UC7067RYE	NO
GE	18024	NO		DVCL-153PH	NO	TAANCIL	Dim-L13B	NO
HALO	SAL06P-W-HALOGF2	NO		DVCL-153PR-WH	YES			
LEGRAND	HCL453PTC	YES		DVCL-253PH	YES			
	RHCL453PW	YES		DVELV-300P-WH	NO			
LEVITON	6681	YES		DVELV-303P-WH	YES			
	6684	YES		DVW-600PH-WH	NO			
	603-6631-A	YES		DVWCL-153PH-WH	NO			
	6631-A	YES		DVWCL-153PH-WHC	NO			
	6631-LA	YES		LECL-153PH-WH	YES			
	6631-LA	NO		LGCL-153CL	NO			
	6683	NO		MACL-153M-WH	YES			
	6683-10Z	YES		MACL-153MH-WH	YES			
	6683-IW	NO		MACL-153MLH-WH	YES			
	IFE04-1LZ 400VA	NO		MACL-153MLRH-WH	YES			
	IP106	NO		MACL-153MR-WH	YES			
	IP106-1LZ	YES		MAELV-600-WH	YES			
	IP110-1LZ	NO		MAW-600	NO			
	NO 6631	YES		MAW-600H-AL	NO			
	NO 6672	YES		MAW-600H-WH	NO			
	NO 6674	NO		MIR-600TH-WH	NO			
	NO 6681	NO		MRF2-6CL-WH	NO			
	NO 6681	NO		MSCL-OP153MH-WH	YES			
	NO IFL06	YES		PD-6WCL-WH-P	NO			
	S-600P-WH	NO		S-10PH	YES			
LUS	DM600-15L	NO		S-600	YES			
LUTRON	AY-600PH-WH	NO		S-600-AL	YES			
	AYCL-153P-WH	YES		S-600-IV	YES			
	AYCL-153PH	YES		S-600H-WH	YES			
	CT-103P-WH	YES		S-600P-WH	NO			
	CT-600PR-WH	NO		S-600PR-WH	NO			

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COMPATIBLE DIMMERS FOR E11A19DLEDXX/G6 & E11A19GUDLEDXX/G6:

BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE
ADRONE	ADFD453LW2	NO	LUTRON	CTCL-153PDH-WH	YES	LUTRON	S-603PGH-WH	NO
	ADTP703TUW4	NO		D-600PH-F3CK	NO		S-603PH-WH	NO
	ADWR703HW4	NO		D-600PH-DK	YES		SCL-153P-WH	YES
AH	SDM600	NO		D-600R-IV	NO		SCL-153PH-WH	NO
	3DM3/1000	NO		D-600R-WH	NO		SCL-153PH-WH	YES
CONFORTO COMODIDADE	DLE-01	YES		D-600RH-DK	YES		TG-600PH-IV	NO
COOPER	AAL06-C1	NO		DV-600P-WH	YES		TG-600PH-WH	YES
	DAL06P-C2-K	NO		DV-600PH-WH	YES		TG-600PNLH-WH	NO
	SAL06P-W-K	NO		DV-603P	YES		TG-603PGH-WH	NO
	TAL06P-C2-K	NO		DV-603PH-WH	YES		TGCL-153PH-WH	NO
CTL	DM600-12-3	YES		DV-603PH-WH	NO		TGCL-153PH-WH	YES
EATON	AAL06-C1	NO		DV-603PR	NO		TGCL-153PLH-WH	NO
	SAL06P-L4-K	NO		DVCL-153P-WH	YES	LUX	DM600-12	NO
	TAL06P1-C5	NO		DVCL-153P-WH	YES	MAXXIMA	MEW-DM600	YES
GE	18024	NO		DVCL-153P-WH-3	YES	OLEGRAND	UC7067R YE	YES
HALO	SAL06P-W-HALOGF2	NO		DVCL-153PH	YES	RHINE	Dim-L13B	YES
LEGRAND	HCL453PTC	YES		DVCL-153PR-WH	YES	TAANCIL	Dim-L13B	YES
LEVITON	RHCL453PW	YES		DVCL-253PH	YES			
	6681	NO		DVELV-300P-WH	NO			
	6684	NO		DVELV-303P-WH	YES			
	603-6631-A	NO		DVW-600PH-WH	NO			
	6631-A	NO		DVWCL-153PH-WH	YES			
	6631-LA	YES		DVWCL-153PH-WHC	YES			
	6631-LA	NO		LECL-153PH-WH	YES			
	6683	NO		LGCL-153CL	NO			
	6683-10Z	NO		MACL-153M-WH	YES			
	6683-1W	NO		MACL-153MH-WH	YES			
	IPE04-1LZ 400VA	NO		MACL-153MLH-WH	YES			
	IFI06	YES		MACL-153MLRH-WH	YES			
	IFI06-1LZ	YES		MACL-153MR-WH	YES			
	IFI10-1LZ	NO		MAELV-600-WH	YES			
	NO.6631	YES		MAW-600	NO			
	NO.6672	YES		MAW-600H-AL	YES			
	NO.6674	YES		MAW-600H-WH	NO			
	NO.6681	NO		MIR-600TH-WH	NO			
	NO.6681	YES		MRF2-6CL-WH	NO			
	NO.IPL06	YES		MSCL-OP153MH-WH	YES			
LUS	S-600P-WH	NO		PD-6WCL-WH-P	NO			
LUTRON	DM600-15L	NO		S-10PH	YES			
	AY-600PH-WH	YES		S-600	YES			
	AYCL-153P-WH	YES		S-600-AL	NO			
	AYCL-153PH	YES		S-600-IV	YES			
	CT-103P-WH	YES		S-600H-WH	YES			
	CT-600PR-WH	YES		S-600P-WH	NO			
	CTCL-153P-WH	NO		S-600PR-WH	NO			

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COMPATIBLE DIMMERS FOR E15A19DLEDXX/G6 & E15A19GUDLEDXX/G6:

BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE
ADRONE	ADPD453LW2	NO	LUTRON	CTCL-153PDH-WH	YES	LUTRON	S-603PGH-WH	NO
	ADTP703TUW4	NO		D-600PH-3CK	NO		S-603PH-WH	NO
	ADWR703HW4	NO		D-600PH-CK	YES		SCL-153P-WH	YES
AH	SOM600	NO		D-600R-IV	NO		SCL-153PH-WH	NO
	SDM3/1000	NO		D-600R-WH	NO		SCL-153PH-WH	YES
CONFORTE COMODIDADE	DLE-01	YES		D-600PH-DK	YES		TG-600PH-IV	NO
COOPER	AAL06-C1	NO		DV-600P-WH	YES		TG-600PH-WH	YES
	DAL06P-C2-K	NO		DV-600PH-WH	YES		TG-600FNLH-WH	NO
	SAL06P-W-K	NO		DV-603P	YES		TG-603PGH-WH	NO
	TAL06P-C2-K	NO		DV-603PH-WH	YES		TGCL-153PH-WH	NO
CTL	DM600-12-3	YES		DV-603PH-WH	NO		TGCL-153PH-WH	YES
EATON	AAL06-C1	NO		DV-603PR	NO	LUX	DM600-12	NO
	SAL06P-LA-K	NO		DVCL-153P-WH	YES		MEW-DM600	YES
	TAL06P1-C6	NO		DVCL-153P-WH-3	YES		UC7067RYE	YES
GE	18024	NO		DVCL-153PH	YES	TAANCIL	Dim-L13B	YES
HALO	SAL06P-W-HALOGF2	NO		DVCL-153PR-WH	YES			
LEGRAND	HCL453PTC	YES		DVCL-253PH	YES			
	RHCL453FW	YES		DVELV-300P-WH	NO			
LEVITON	6681	NO		DVELV-303P-WH	YES			
	6684	NO		DVW-600PH-WH	NO			
	603-6631-A	NO		DVWCL-153PH-WH	YES			
	6631-A	NO		DVWCL-153PH-WHC	YES			
	6631-LA	YES		LECL-153PH-WH	YES			
	6631-LA	NO		LGCL-153CL	NO			
	6683	NO		MACL-153M-WH	YES			
	6683-10Z	NO		MACL-153MH-WH	YES			
	6683-1W	NO		MACL-153MLH-WH	YES			
	IFE04-1LZ 400VA	NO		MACL-153MLPH-WH	YES			
	IFI06	YES		MACL-153MR-WH	YES			
	IFI06-1LZ	YES		MAELV-600-WH	YES			
	IFI10-1LZ	NO		MAW-600	NO			
	NO 6631	YES		MAW-600H-AL	YES			
	NO 6672	YES		MAW-600H-WH	NO			
	NO 6674	YES		MIR-600THW-WH	NO			
	NO 6681	NO		MRF2-6CL-WH	NO			
	NO 6681	YES		MSCL-CP153MH-WH	YES			
	NO JFL06	YES		PD-6WCL-WH-P	NO			
	S-600P-WH	NO		S-10PH	YES			
LUS	DM600-15L	NO		S-600	YES			
LUTRON	AY-600PH-WH	YES		S-600-AL	NO			
	AYCL-153P-WH	YES		S-600-IV	YES			
	AYCL-153PH	YES		S-600H-WH	YES			
	CT-103P-WH	YES		S-600P-WH	NO			
	CT-600PR-WH	YES		S-600PR-WH	NO			

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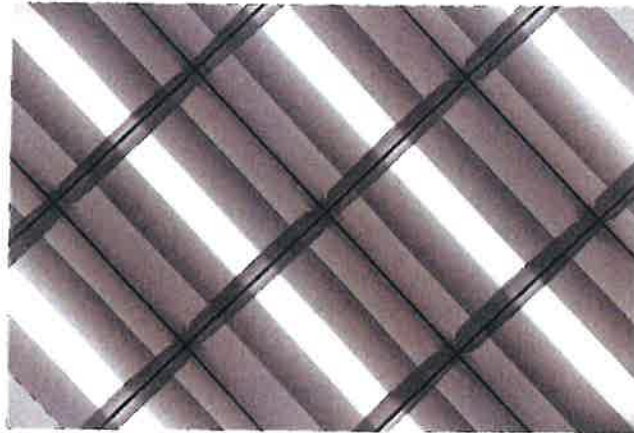
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Parkfairfax Unit Owners Association

Parkfairfax - Lyons Place Pool

April 02, 2019



Prepared By:

Heller Craig

cheller@lightility.com

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Project Summary

	Existing	After Retrofit
Number of Fixtures	26	26
Lighting System Energy Consumption (kW)	1.851	.421
Current Utility Rate - \$/kWh	\$0.120000	

Savings Summary

Energy Reduction



6,246 kWh
REDUCED

Energy Savings



\$750
SAVED

Maintenance Savings



\$178
SAVED

Financial Summary

Project Cost	\$4,685.77
Tax (6.00%)	\$121.18
Less Rebates	\$0.00
Net Project Cost	\$4,806.95



5.2 yrs

This is the payback period of time to reach the breakeven point



88.49%

This is the return on investment over analysis years



\$4,253.54

This is used in budgeting to analyze profitability of investment



13.75%

This is a metric used to measure profitability of potential investment

Monthly Cost of Delay

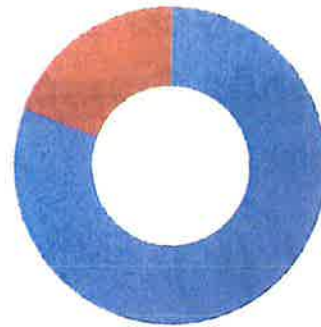
\$77.33

Project Cost & Savings Summary

The following graphs and tables show the annual project costs and savings expected with the proposed design, based on annual usage hours and a utility rate of \$0.120000 per kWh.

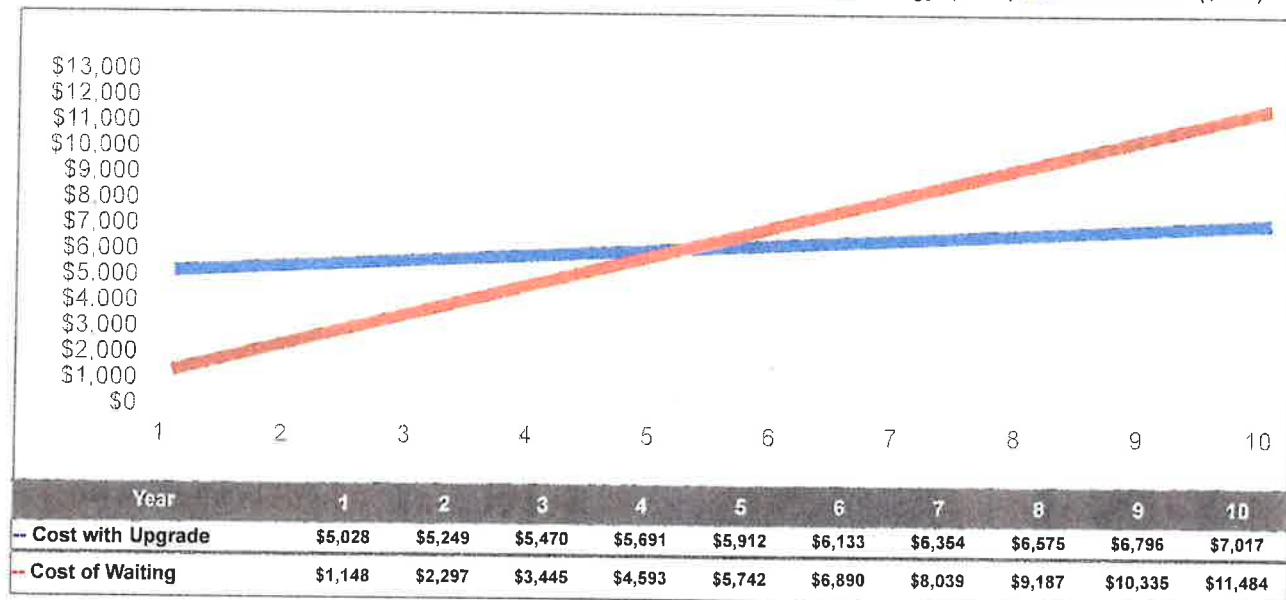
Financial Costs and Savings

	Costs	Savings
Cost of Project	\$4,807	
Incentive Estimate		\$0
Annual Energy Savings		\$750
Annual Maintenance Savings		\$178



The Cost of Waiting

■ Energy (\$750) ■ Maintenance (\$178)



Cumulative Costs Over 10 Year Lifecycle (\$)

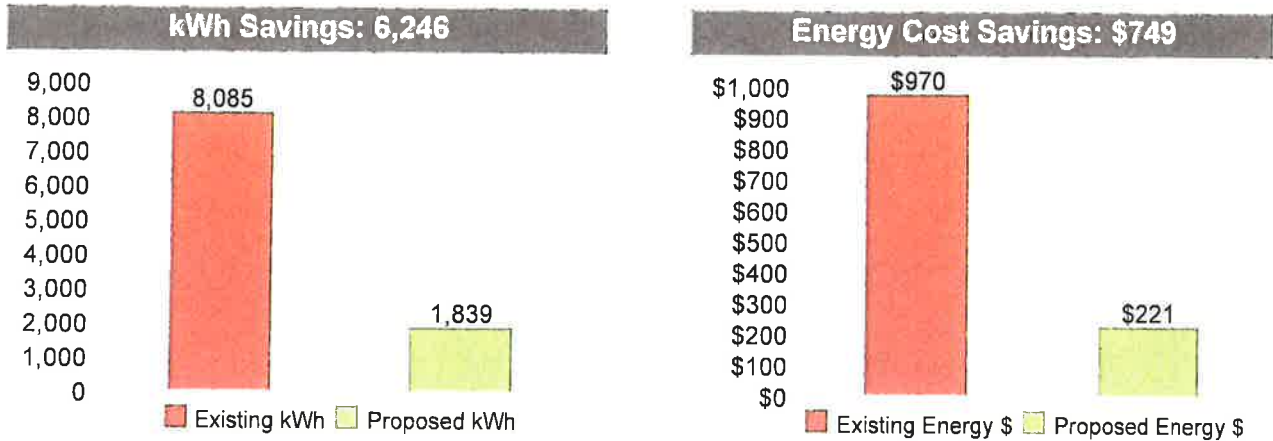
(Graph based on Single Investment project data)

\$9,279.09

Estimated Lifecycle Savings

Energy Savings Summary

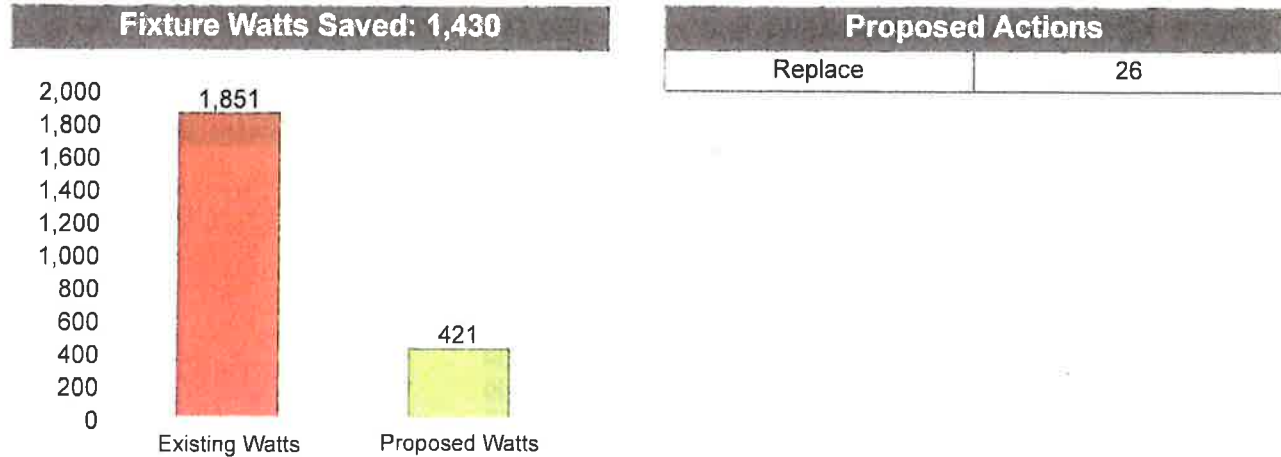
The following graphs and tables show the annual energy savings expected with the proposed design, based on annual usage hours and a utility rate of \$0.120000 per kWh.



Area Detail

Location	Area	Energy Reduction %	Avg. Burn Hour Reduction %	Annual Energy Savings
PUOA0001	Pool B Gunston and Lyons	77.26%	0.00%	\$750
Total Number of Fixtures: 26				

Fixture Summary



Fixture Breakdown

Existing			Proposed				Savings
Fixture Name	Qty	Watts	Solution Name	Qty	Watts	Action	Watts
CFL-CF15W-1	10	150	Marlex, Vangaurd Post Top, Maxlite, 9W, LED A19, 4000K, Dim, Enclosed	10	90	Replace	60
F-F32T8-1	1	31	Maxlite, 14W, 4' T8 Internal, 4000K, T8 Lamp, DLC 1L	1	14	Replace	17
MH-MH250-1	2	500	Best Lighting, 100W, 4000K, Trunnion Flood, Slip-Fitter Mounting Bracket, 80-280W	2	200	Replace	300
MH-MH70-1	13	1,170	Marlex, Vangaurd Post Top, Maxlite, 9W, LED A19, 4000K, Dim, Enclosed	13	117	Replace	1,053

Annual Environmental Impact

Reducing energy use is the quickest, safest, most cost-effective way to reduce the emission of greenhouse gases that accompanies the generation of electricity from fossil fuels. Reducing 6,246 kWh per year on this project is equivalent to:



9,680.7 lbs. CO₂ Saved

(Leading Cause of Global Warming)

- OR -



0.9 Cars Removed from Road

(4.73 Metric Tons of CO₂ / Passenger Vehicle)

- OR -



494.1 Gallons of Gas Consumed

(0.008887 Metric Ton of CO₂ per Gallon of Gasoline)

- OR -



112.6 Tree Seedlings Grown

(0.039 Metric Ton of CO₂ per Urban Tree Planted for 10 years)

- OR -



4.1 Acres of Forest in 1 Year

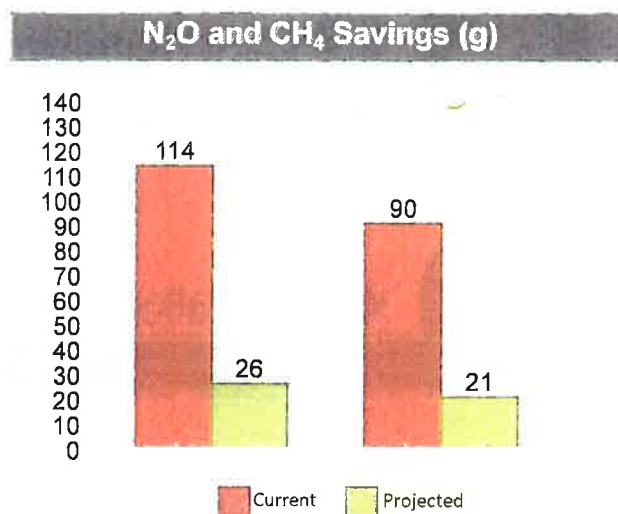
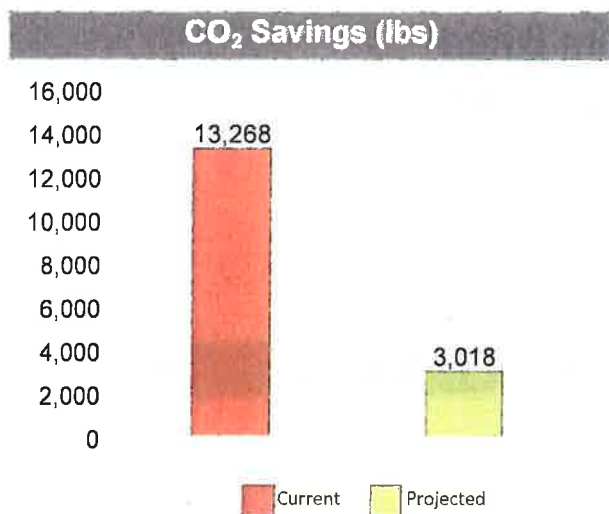
(1.06 Metric Tons of CO₂ Sequestered Annually by 1 Acre of U.S. forest)

Cited using
<https://www.epa.gov/energy/greenhouse-gases-equivalencies-calculator-calculations-and-references>

Annual Greenhouse Gas Impact

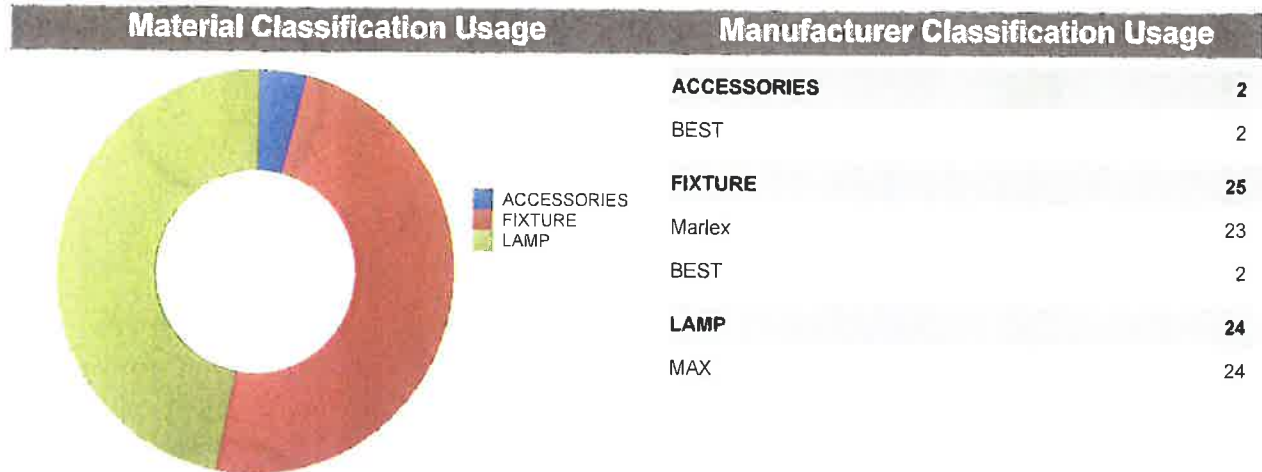
Reducing energy use is the quickest, safest, most cost-effective way to reduce the emission of greenhouse gases that accompanies the generation of electricity from fossil fuels. Reducing 6,246 kWh per year on this project reduces:

Greenhouse Gas	Current	Projected	Saved
Carbon Dioxide, CO ₂ (lbs)	13,268	3,018	10,250
Nitrous Oxide, N ₂ O (g)	114	26	88
Methane, CH ₄ (g)	90	21	70



Cited using
<https://www.epa.gov/energy/greenhouse-gases-equivalencies-calculator-calculations-and-references>

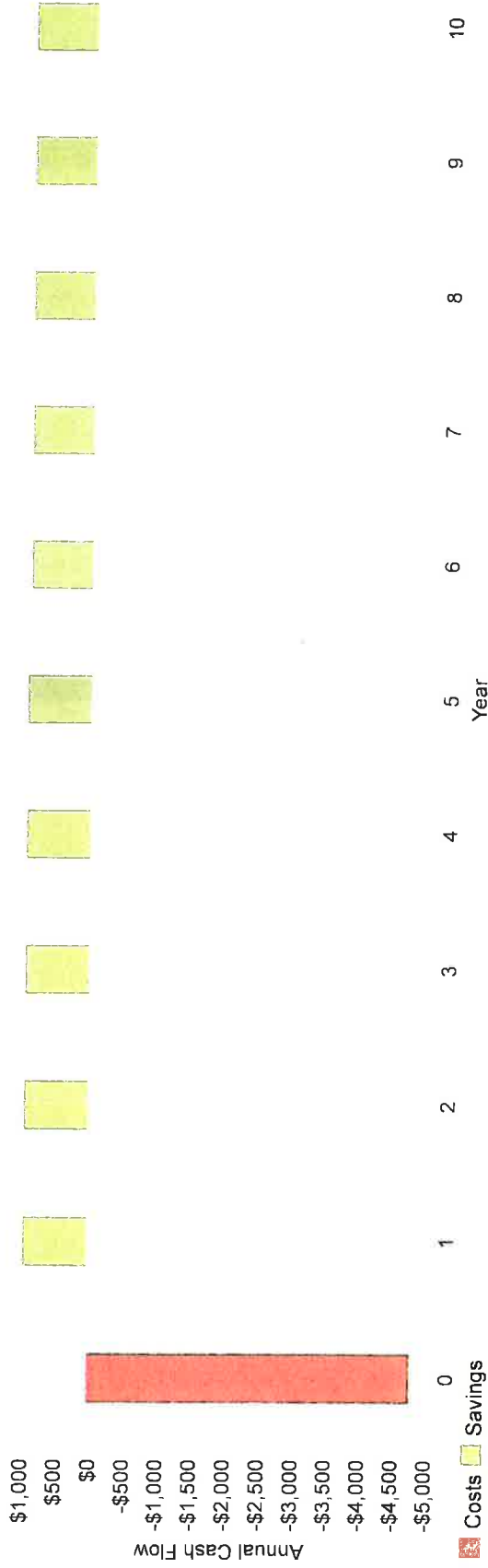
Material Summary



Materials Breakdown

Description	Qty	Rated Life	Warranty Years
ACCESSORIES			
	2		
Slip-Fitter Mounting Bracket, 80-280W	2	0	0
FIXTURE			
	25		
Marlex, Vangaurd Post Top	23	0	0
Best Lighting, 100W, 4000K, Trunion Flood	2	70,000	5
LAMP			
	24		
Maxlite, 9W, LED A19, 4000K, Dim, Enclosed	23	25,000	5
Maxlite, 14W, 4' T8 Internal, 4000K, DLC	1	50,000	5

Cash Flow Graph



	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year
	0	1	2	3	4	5	6	7	8	9	10
SUBTOTAL COSTS	\$4,807	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SUBTOTAL SAVINGS	\$0	\$928	\$928	\$928	\$928	\$928	\$885	\$885	\$885	\$885	\$885
TOTAL CASH FLOWS	-\$4,807	\$928	\$928	\$928	\$928	\$928	\$885	\$885	\$885	\$885	\$885

\$4,254

NPV

88.49%

ROI

13.75%

IRR

1.88

SIR

Fixture Detail

Totals													
Area		Proposed Solution										Savings	
Room	Existing	Watts Qty	Burn	kWh	Proposed	Watts Qty	% Red. Burn	kWh	Ctrl Qty	Rebates	Energy	HVAC	Maintenance
PUOA0001 / Pool B Gunston and Lyons													
Poles 12 feet	MH-MH70-1 /	90.0 13	4,368	5,111	Marlex, Vanguard Post	9.0 13	0	4,368	511	0	\$0	\$552	\$0
	Post Top-Medium-Frosted-Pole-No				Top, Maxlite, 9W, LED A19, 4000K, Dim, Enclosed								
Poles 20 feet	MH-MH250-1 /	250.0 2	4,368	2,184	Best Lighting, 100W, 4000K, Trunnion Flood, Slip-Fitter Mounting	100.0 2	0	4,368	874	0	\$0	\$157	\$0
	Shoe Box-Medium-Clear-Slipfitter-No				Bracket, 80-280W								
Inner Pool	CFL-CF15W-1 /	15.0 10	4,368	655	Marlex, Vanguard Post	9.0 10	0	4,368	393	0	\$0	\$31	\$0
	Acorn-A19-Clear-Arm-No				Top, Maxlite, 9W, LED A19, 4000K, Dim, Enclosed								
Tube	F-F32T8-1 /	31.0 1	4,368	135	Maxlite, 14W, 4' T8	14.0 1	0	4,368	61	0	\$0	\$9	\$10
	Strip-4 foot-Diffused-Surface-No				Internal, 4000K, T8 Lamp, DLC 1L								
Totals		26		8,085		26		1,839		\$0	\$750	\$0	\$178

LEDMPAL100 100 Watt Multi-Purpose LED Area Light

BEST
LIGHTING PRODUCTS

Project:	
Type:	
Catalog #:	

STANDARD



The LEDMPAL series is a group of architectural LED area luminaires designed to illuminate parking areas, pathways, building facades, loading docks, and a variety of other general site lighting applications. Multiple mounting options make the LEDMPAL a versatile luminaire for flood lighting, pole-, ground-, and wall-mounted area lighting, and other outdoor lighting requirements.

FEATURES

- 120-277V models available in 3000k (warm white), 4000K (neutral white) and 5000K (cool white). 277-480V models available in 4000k and 5000k.
- Long-life LEDs provide a minimum of 65,000 hours of operation with at least 70% of initial lumen output (L_{70}).
- Standard optic provides an IES roadway type V distribution, or a 7V (vertical) x 7H (horizontal) NEMA floodlight distribution.
- Type III models (120-277V) deliver 11,423 lumens and 114 lumens per watt (LPW) at 3000k; 11,614 lumens and 116 LPW at 4000k; and 12,543 lumens and 125 LPW at 5000k.
- Type III models (277-480V) deliver 12,368 lumens and 124 LPW at both 4000k and 5000k.
- Type V models deliver (120-277V) 12,158 lumens and 122 LPW at 3000k; 12,105 lumens and 121 LPW at 4000k; and 12,353 lumens and 124 LPW at 5000k.
- Type V models (277-480V) deliver 12,354 lumens and 124 LPW at 4000k; and 12,507 lumens and 125 LPW at 5000k.
- Universal 120-277 or 277-480 AC voltage (50-60Hz) is standard.
- 0-10Vdc dimming capability is standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index > 80.
- Optional glare shields (full and half) and wire guards are available.
- Die cast aluminum housing with durable, dark bronze powder coat finish, and a heat-resistant polycarbonate lens.
- Wireway enclosure is sealed with a water-tight, silicon rubber gasket.
- Effective projected areas (EPA's) are 0.38 square feet (sf, front); 0.30 sf (side) and 1.04 sf (front).
- Threaded receptacle (1/2" NPS) for photocell. Optional arms and slip-fitters provide additional photocell mounting options.
- Easy installation in new construction or retrofit applications.

¹ Contact factory for other color temperatures and lumen packages.
² L_{70} hours are IES TM-21-11 calculated hours.



Shown with
standard
trunnion
mount



Shown with
optional yoke
mount

WARRANTY & LISTINGS

- cULus listed for wet locations (-30°C to 40°C / -22°F to 104°F).
- IP65 rated.
- DLC standard approved (except as noted below).^{***}
- Complies with FCC Part 15, Class B.
- Complies with EN61000-4-5, surge immunity (120-277V models protected to 4kV & 277-480V models protected to 2kV).
- 5-year warranty on all electronics and housing.

MOUNTING OPTIONS

- Trunnion mount is standard.
- Slip-fitter mount provides attachment to poles (2 3/8" O.D. tenon).
- Steel arm mount provides secure attachment to flat surfaces.
- Yoke mount models are available by special order.



Steel Arm
Mount Option

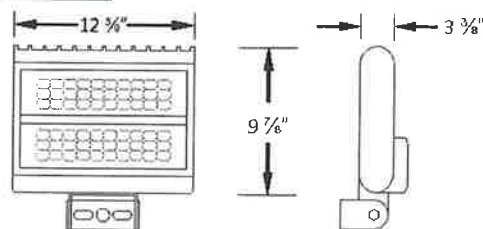


Slip-Fitter
Mount Option



Yoke Mount
Option

DIMENSIONS



Weight: 9.6 lb.

ORDERING INFORMATION

Examples: (Slip-Fitter, Type III): LEDMPAL100-T-4K-T3 + LEDMPAL-SF-80/300
(Yoke, Type V): LEDMPAL100-Y-4K (no options available)
(Arm, NEMA 7H x 7V) LEDMPAL100-T-4K + LEDMPAL-A-80/300

Model	Mounting Type	Luminaire Watts	Input Voltage	Color Temperature	Distribution Type ²	Luminaire Lumens	Lumens / Watt	Options* (Order Separately)
LEDMPAL100	T = Trunnion ¹ Y = Yoke	100	120-277	3K = 3000k	T3 = Type III	11,423	114	LEDMPAL-SF-80/300 = Slip-Fitter Mount
			120-277	4K = 4000k	T3 = Type III	11,614	116	LEDMPAL-A-80/300 = Steel Arm Mount
			120-277	5K = 5000k	T3 = Type III	12,543	125	MPAL80/100/150-FGS = Full Glare Shield
			120-277	3K = 3000k	Type V	12,158	122	MPAL80/100/150-HGS = Half Glare Shield
			120-277	4K = 4000k	Type V	12,105	121	MPAL80/100/150-WG = Wire Guard
			120-277	5K = 5000k	Type V	12,353	124	
			277-480	4K = 4000k	T3 = Type III	12,368	124	
			277-480	5K = 5000k	T3 = Type III	12,368	124	
			277-480	4K = 4000k	Type V	12,354	124	
			277-480	5K = 5000k	Type V	12,507	125	

¹ Note: For Slip-Fitter or Steel Arm mounting, order a luminaire with the standard Trunnion mount installed (LEDMPAL100-T), and either the Slip-Fitter (LEDMPAL-SF-80/300) or Steel Arm (LEDMPAL-A-80/300). The Slip-Fitter and Steel Arm mounts are shipped in separate cartons than the luminaire, and are field-installed after removing the standard Trunnion mount.

² Note: Type V distribution is standard, and requires no order suffix (see example above). For NEMA flood 7H x 7V distributions, order the Type V option.

LEDMPAL100 100 Watt Multi-Purpose LED Area Light



ELECTRICAL DATA

Model	Color Temperature	CRI ¹	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Input Voltage ²	Input Current (A)			Power Factor	THD ³	L ₇₀ Hours ⁴
							120V	240V	277V			
LEDMPAL100-3K-T3	3000k	> 80	11,423	100	114	120-277	0.83	0.42	0.36	> 90%	< 20%	69,000
LEDMPAL100-4K-T3	4000k	> 80	11,614	100	116	120-277	0.83	0.42	0.36	> 90%	< 20%	69,000
LEDMPAL100-5K-T3	5000k	> 80	12,543	100	125	120-277	0.83	0.42	0.36	> 90%	< 20%	69,000
LEDMPAL100-3K	3000k	> 80	12,158	100	122	120-277	0.83	0.42	0.36	> 90%	< 20%	69,000
LEDMPAL100-4K	4000k	> 80	12,105	100	121	120-277	0.83	0.42	0.36	> 90%	< 20%	69,000
LEDMPAL100-5K	5000k	> 80	12,353	100	124	120-277	0.83	0.42	0.36	> 90%	< 20%	69,000
Model	Color Temperature	CRI ¹	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Input Voltage ²	Input Current (A)			Power Factor	THD ³	L ₇₀ Hours ⁴
							277V	347V	480V			
LEDMPAL100-T-4K-T3-480V	4000k	> 80	12,368	100	124	277-480	0.36	0.29	0.21	> 90%	< 20%	65,000
LEDMPAL100-T-5K-T3-480V	5000k	> 80	12,368	100	124	277-480	0.36	0.29	0.21	> 90%	< 20%	65,000
LEDMPAL100-T-4K-480V	4000k	> 80	12,354	100	124	277-480	0.36	0.29	0.21	> 90%	< 20%	68,000
LEDMPAL100-T-5K-480V	5000k	> 80	12,507	100	125	277-480	0.36	0.29	0.21	> 90%	< 20%	68,000

¹ Color rendering Index.

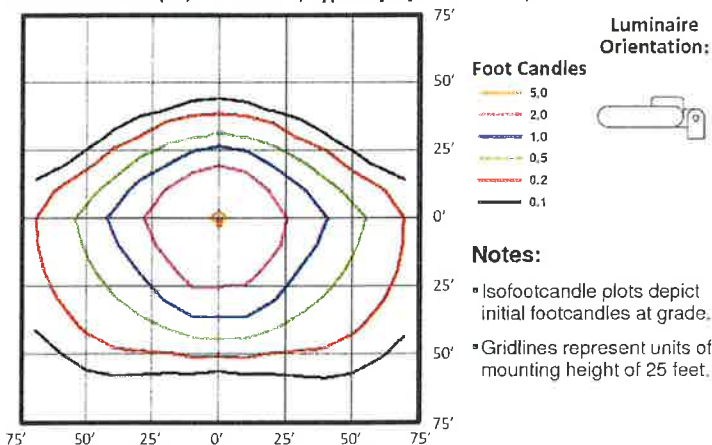
² All 50-60Hz.

³ Total harmonic distortion.

⁴ L₇₀ refers to the number of hours at which lumen output declines to 70% of the initial level. L₇₀ hours are IES TM-21-11 calculated hours.

PHOTOMETRIC DATA

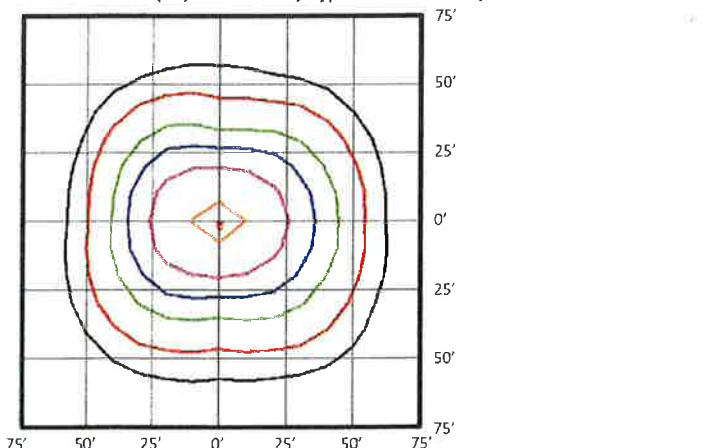
LEDMPAL100-5K (12,543 Lumens, Type III [T3] Distribution)



BUG Rating: B3-U2-G2

Zone	Lumens	%
FL - Front - Low (0-30)	1,430	11%
FM - Front - Medium (30-60)	4,156	33%
FH - Front - High (60-80)	2,064	16%
FVH - Front - Very High (80-90)	123	1%
Total Forward Light	7,772	62%
BL - Back - Low (0-30)	1,356	11%
BM - Back - Medium (30-60)	2,666	21%
BH - Back - High (60-80)	694	6%
BVH - Back - Very High (80-90)	28	0%
Total Back Light	4,744	38%
UL - Up Light - Low (90-100)	2	0%
UH - Up Light - High (100-180)	25	0%
Total Up Light	27	0%
Total Lumens	12,543	100%

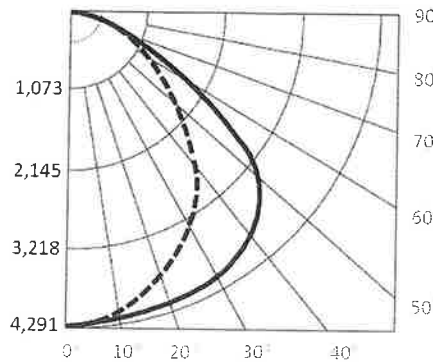
LEDMPAL100-5K (12,353 Lumens, Type V Distribution)



BUG Rating: B3-U2-G2

Zone	Lumens	%
FL - Front - Low (0-30)	1,625	13%
FM - Front - Medium (30-60)	3,439	28%
FH - Front - High (60-80)	1,162	9%
FVH - Front - Very High (80-90)	135	1%
Total Forward Light	6,362	52%
BL - Back - Low (0-30)	1,564	13%
BM - Back - Medium (30-60)	3,242	26%
BH - Back - High (60-80)	1,028	8%
BVH - Back - Very High (80-90)	127	1%
Total Back Light	5,962	48%
UL - Up Light - Low (90-100)	2	0%
UH - Up Light - High (100-180)	28	0%
Total Up Light	29	0%
Total Lumens	12,353	100%

LEDMPAL100 100 Watt Multi-Purpose LED Area Light



Maximum Candela = 4,291

— Horizontal
- - - Vertical

NEMA Floodlight Type Data

Field Angles:
 ■ Horizontal 168°
 ■ Vertical 160°

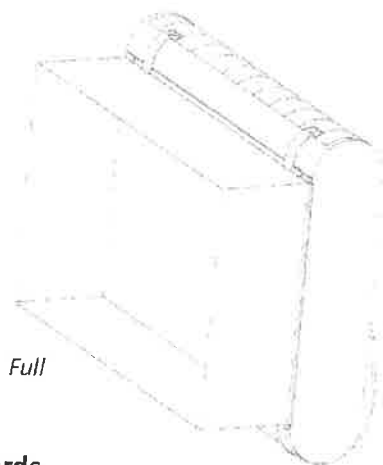
NEMA Type:

■ Horizontal 7H
 ■ Vertical 7V

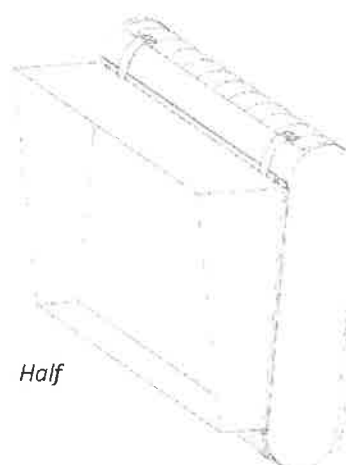
Luminaire Orientation:



Shields

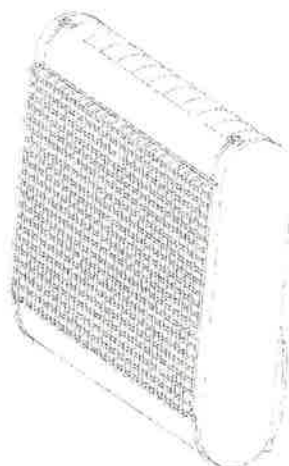


Full



Half

Wire Guards





PROJECT NAME _____ CATALOG NUMBER _____
NOTES _____ FIXTURE SCHEDULE _____

Page: 1 of 7

LED ENCLOSED RATED OMNIDIRECTIONAL A-LAMP A19 GEN 6 SERIES

6W, 9W & 11W

15W

GU24 Base



PRODUCT DESCRIPTION:

MaxLite's LED enclosed rated Omnidirectional A-Line lamp replicate true A19 incandescents. They are suited to a wide variety of residential and commercial applications, including pendants, wall sconces and table and floor lamps.

FEATURES:

- 6W, 480lm, 40W Inc. replacement
- 9W, 800lm, 60W Inc. replacement
- 11W, 1100lm, 75W Inc. replacement
- 15W, 1600lm, 100W Inc. replacement
- Dimmable down to 10%
- Power factor: ≥ 0.70
- 25,000 hour life (L70 standards)
- CRI: ≥ 80
- Volts: 120V
- ENERGY STAR certified
- Available in E26 and GU24 base
- Suitable for dry and damp locations
- Suitable for use in fully enclosed luminaires
- Five year limited warranty

APPLICATIONS

- Pendants
- Table and floor lamps
- Sconces

ORDERING:

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

		DLED		/G6
FAMILY	BASE	DIMMABILITY	CCT	GENERATION
E6A19 = 6 watts, A19 E9A19 = 9 watts, A19 E11A19 = 11 watts, A19 E15A19 = 15 watts, A19	(OMIT) = E26 GU = GU24	DLED = Dimmable	27 = 2700K 30 = 3000K 40 = 4000K 50 = 5000K*	/G6 = Generation 6

NOTES:

1. E6A19DLED27/G6 is available in bulk pack (50pcs)
2. E9A19DLED27/G6 is available in 4-Packs and bulk pack (50pcs)
- * 5000K CCT is only available as E9A19DLED50/G6

Specifications are subject to change without notice.

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MAX18033
Revised: 06/19/18





LED ENCLOSED RATED OMNIDIRECTIONAL A-LAMP A19 GEN 6 SERIES

Page: 2 of 7

SPECIFICATIONS:

		E6A19DLEDxx/G6	E9A19DLEDxx/G6	E11A19DLEDxx/G6	E15A19DLEDxx/G6
ITEM	SPECIFICATION	DETAILS			
GENERAL PERFORMANCE	Power Consumption	6W	9W	11W	15W
	Lumens Delivered	480	800	1100	1600
	Efficacy (lm/w)	80	88	100	106
	CRI	≥80			
	Color Temperature (CCT)	2700K, 3000K, 4000K, 5000K*			
	Lumen Maintenance (L70)	25,000 Hours			
ELECTRICAL	Power Factor	≥0.70			
	Input Voltage	120V			
PHYSICAL	Base Type	E26			
	Operating Temperature	-4°F - 104°F			
CERTIFICATION	Certification	ENERGY STAR, UL Listed, FCC, RoHS Compliant			
	Environment	Dry, Damp			
	Warranty	5 Year Limited			

Lighting layouts and spacing criteria available upon request

* 5000K CCT is only available as E9A19DLED50/G6

ORDERING:

ORDER CODE	MODEL	ENERGY STAR	WATTS	EQUIVALENCY	DELIVER LUMENS	EFFICACY (lm/W)	CRI	CCT	DIMENSIONS (W" x H" x L")
E26 Base									
14099390	E6A19DLED27/G6	★	6	40W Inc.	480	80	80	2700K	2.36" x 4.25"
14099391	E6A19DLED27/G6/BP	★	6	40W Inc.	480	80	80	2700K	
14099392	E6A19DLED30/G6	★	6	40W Inc.	480	80	80	3000K	
14099393	E6A19DLED40/G6	★	6	40W Inc.	480	80	80	4000K	
14099394	E9A19DLED27/G6	★	9	60W Inc.	800	88	80	2700K	
14099395	E9A19DLED27/G6/4P	★	9	60W Inc.	800	88	80	2700K	
14099396	E9A19DLED27/G6/BP	★	9	60W Inc.	800	88	80	2700K	
14099397	E9A19DLED30/G6	★	9	60W Inc.	800	88	80	3000K	
14099398	E9A19DLED40/G6	★	9	60W Inc.	800	88	80	4000K	
14099399	E11A19DLED27/G6	★	11	75W Inc.	1100	100	80	2700K	
14099400	E11A19DLED30/G6	★	11	75W Inc.	1100	100	80	3000K	
14099401	E11A19DLED40/G6	★	11	75W Inc.	1100	100	80	4000K	
14099402	E15A19DLED27/G6	★	15	100W Inc.	1600	106	80	2700K	2.36" x 4.61"
14099403	E15A19DLED30/G6	★	15	100W Inc.	1600	106	80	3000K	
14099404	E15A19DLED40/G6	★	15	100W Inc.	1600	106	80	4000K	

★ ENERGY STAR certified

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Revised: 06/19/18





LED ENCLOSED RATED OMNIDIRECTIONAL A-LAMP A19 GEN 6 SERIES

Page: 3 of 7

ORDER CODE	MODEL	ENERGY STAR	WATTS	EQUIVALENCY	DELIVER LUMENS	EFFICACY (lm/W)	CRI	CCT	DIMENSIONS (W" x HOL")
GU24 Base									
14099405	E6A19GUDLED27/G6	★	6	40W Inc.	480	80	80	2700K	2.36" x 4.21"
14099406	E6A19GUDLED30/G6	★	6	40W Inc.	480	80	80	3000K	
14099407	E6A19GUDLED40/G6	★	6	40W Inc.	480	80	80	4000K	
14099408	E9A19GUDLED27/G6	★	9	60W Inc.	800	89	80	2700K	
14099409	E9A19GUDLED30/G6	★	9	60W Inc.	800	89	80	3000K	
14099410	E9A19GUDLED40/G6	★	9	60W Inc.	800	89	80	4000K	
140759	E9A19GUDLED50/G6	★	9	60W Inc.	800	89	80	5000K	
14099411	E11A19GUDLED27/G6	★	11	75W Inc.	1100	100	80	2700K	
14099412	E11A19GUDLED30/G6	★	11	75W Inc.	1100	100	80	3000K	2.36" x 4.61"
14099413	E11A19GUDLED40/G6	★	11	75W Inc.	1100	100	80	4000K	
14099414	E15A19GUDLED27/G6	★	15	100W Inc.	1600	106	83	2700K	
14099415	E15A19GUDLED30/G6	★	15	100W Inc.	1600	106	83	3000K	
14099416	E15A19GUDLED40/G6	★	15	100W Inc.	1600	106	83	4000K	

★ ENERGY STAR certified

Specifications are subject to change without notice.

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MAX18033
Revised: 06/19/18





PROJECT NAME _____ CATALOG NUMBER _____

NOTES _____ FIXTURE SCHEDULE: _____

Page: 1 of 2

LED T8 - LINEAR REPLACEMENT LAMP

DOUBLE-ENDED POWER GLASS SERIES
UL TYPE-B



FEATURES:

- Wattages:
-14W, 4FT, 1700-1800 lumens, replaces 32W fluorescent T8
-17W, 4FT, 2100-2200 lumens, replaces 32W fluorescent T8
- Universal Voltage: 120V-277V applications
- Color Rendering Index (CRI): 82
- Beam angle: 330°, uniform light distribution
- THD <20%
- Power factor: ≥ 0.90
- Easy retrofit into most common linear fluorescent fixtures
- Simple ballast bypass, double-ended wiring schematic
- **Compatible with shunted and non-shunted lamp holders**
- Instant on
- Mercury free and virtually no UV or IR light
- Non dimmable
- Suitable for enclosed fixture
- Suitable for dry and damp locations
- NSF certified
- 5 year limited warranty
- Rated Lifetime @ L70: 50,000 Hours
- DLC qualified

APPLICATIONS:

- Offices
- Commercial Buildings
- Hospitals
- Hotels
- Schools
- Recreation Centers

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

L		T8	DE	4	
FAMILY	WATTAGE	LAMP TYPE	OPERATION	LENGTH	COLOR TEMPERATURE
L= LED Linear	14= 14W 17= 17W	T8= T8 tube	DE= Double-Ended Power	4= 4FT	35-G= 3500K, Glass Lens 40-G= 4000K, Glass Lens 50-G= 5000K, Glass Lens

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LED T8 - LINEAR REPLACEMENT LAMP

DOUBLE-ENDED POWER GLASS SERIES
UL-TYPE B

Page: 2 of 2

SPECIFICATIONS:

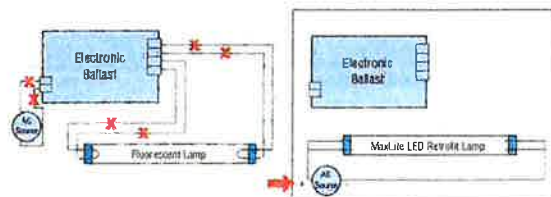
		L14T8DE4xx-G	L17T8DE4xx-G
ITEM	SPECIFICATION	4FT - DETAILS	4FT - DETAILS
GENERAL PERFORMANCE	Power Consumption (W)	14W	17W
	Lumens Delivered (lm)	1700-1800	2100-2200
	Efficacy	≥121 lm/w	≥123 lm/w
	CRI	82	
	Beam Angle	330°	
	Color Temperature (CCT)	3500K, 4000K, 5000K	
	Lumen Maintenance (L70)	50,000 Hours	
ELECTRICAL	Power Factor	≥ 0.90	
	Input Voltage	120V-277V 50/60 Hz	
PHYSICAL	Operating Temperature	-4°F to 113°F	
	Dimension (MOL" x W")	47.72" x 1.02"	
	Lens	Glass	
CERTIFICATION	Certification	DLC 4.2 cULus Classified, NSF	
	Material Usage	RoHS compliant; no mercury	
	Environment	Dry & Damp, Enclosed Fixtures	
	Warranty	5 Years	

Lighting layouts and spacing criteria available upon request

ORDERING:

ORDER CODE	MODELS	WATTAGE	LUMENS (lm)	EFFICACY (lm/W)	COLOR TEMPERATURE (CCT)	CASE QTY
14099168	L14T8DE435-G	14W	1700	121	3500K	25 pcs
14099169	L14T8DE440-G		1800	128	4000K	
14099170	L14T8DE450-G		1800	126	5000K	
14099171	L17T8DE435-G	17W	2100	123	3500K	25 pcs
14099172	L17T8DE440-G		2200	129	4000K	
14099173	L17T8DE450-G		2200	129	5000K	

RELAMPING EXAMPLE:



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LED ENCLOSED RATED OMNIDIRECTIONAL A-LAMP A19 GEN 6 SERIES

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COMPATIBLE DIMMERS FOR E11A19DLEDXX/G6 & E11A19GUDLEDXX/G6:

BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE
ADRONE	ADPD453LW2	NO	LUTRON	CTCL-153PH-WH	YES	LUTRON	S-603PH-WH	NO
	ADTP703TJW4	NO		D-600PH-3CK	NO		S-603PH-WH	NO
	ADWR703HWW	NO		D-600PH-DK	YES		SCL-153P-WH	YES
AH	SDM-600	NO		D-600R-IV	NO		SCL-153PH-WH	NO
	SDM31000	NO		D-600R-WH	NO		SCL-153PH-WH	YES
CONFORTE COMODIDADE	DLE-01	YES		D-600PH-DK	YES		TG-600PH-IV	NO
COOPER	AAL06-C1	NO		DV-600P-WH	YES		TG-600PH-WH	YES
	DAL06P-C2-K	NO		DV-600PH-WH	YES		TG-600PNLH-WH	NO
	SAL06P-W-K	NO		DV-603P	YES		TG-603PGH-WH	NO
	TAL06P-C2-K	NO		DV-603PH-WH	YES		TGCL-153PH-WH	NO
CTL	DM600-12-3	YES		DV-603PH-WH	NO		TGCL-153PH-WH	YES
EATON	AAL06-C1	NO		DV-603PR	NO	LUX	CAW600-12	NO
	SAL06P-LA-K	NO		DVCL-153P-WH	YES		MEW-DM600	YES
	TAL06P-C5	NO		DVCL-153P-WH	YES	OLEGRAND	UC7067RYE	YES
GE	18024	NO		DVCL-153PH	YES	RHINE	Dim-L13B	YES
HALO	SAL06P-W-HALOGF2	NO		DVCL-153PH-WH	YES	TAANCIL	Dim-L13B	YES
LEGRAND	HCL453PTC	YES		DVCL-253PH	YES			
LEVITON	RHCL453PW	YES		DVELV-300P-WH	NO			
	6681	NO		DVELV-303P-WH	YES			
	6684	NO		DVW-600PH-WH	NO			
	603-6631-A	NO		DVWCL-153PH-WH	YES			
	6631-A	NO		DVWCL-153PH-WHC	YES			
	6631-LA	YES		LECL-153PH-WH	YES			
	6631-LA	NO		LGCL-153CL	NO			
	6683	NO		MACL-153M-WH	YES			
	6683-10Z	NO		MACL-153MH-WH	YES			
	6683-1W	NO		MACL-153MLH-WH	YES			
	IPE04-1LZ 400VA	NO		MACL-153MLRH-WH	YES			
	IPI06	YES		MACL-153MR-WH	YES			
	IPI06-1LZ	YES		MAELV-600-WH	YES			
	IPI10-1LZ	NO		MAW-600	NO			
	NO 6631	YES		MAW-600H-AL	YES			
	NO 6672	YES		MAW-600H-WH	NO			
	NO 6674	YES		MIR-600PH-WH	NO			
	NO 6681	NO		MPF2-6CL-WH	NO			
	NO 6681	YES		MSCL-OP153MH-WH	YES			
	NO IFL06	YES		PD-6WCL-WH-P	NO			
LUS	S-600P-WH	NO		S-10PH	YES			
LUTRON	DM600-15L	NO		S-600	YES			
	AY-600PH-WH	YES		S-600-AL	NO			
	AYCL-153P-WH	YES		S-600-IV	YES			
	AYCL-153PH	YES		S-600H-WH	YES			
	CT-103P-WH	YES		S-600P-WH	NO			
	CT-600PR-WH	YES		S-600PR-WH	NO			

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LED ENCLOSED RATED OMNIDIRECTIONAL A-LAMP A19 GEN 6 SERIES

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COMPATIBLE DIMMERS FOR E15A19DLEDXX/G6 & E15A19GUDLEDXX/G6:

BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE
ADRONE	ADPD453LW2	NO	LUTRON	CTCL-153PDH-WH	YES	LUTRON	S-603PGH-WH	NO
	ADTP703TUW4	NO		D-600PH-3CK	NO		S-603PH-WH	NO
	ADWR703HW4	NO		D-600PH-OK	YES		SCL-153PH-WH	YES
AH	SDM1800	NO		D-600H-IV	NO		SCL-153PH-WH	NO
	SDM3100G	NO		D-600H-WH	NO		SCL-153PH-WH	YES
CONFORTE COMODIDADE	DLE-01	YES		D-600RH-OK	YES		TG-600PH-IV	NO
	AAI-05-11	NO		DV-600P-WH	YES		TG-600PH-WH	YES
COOPER	DAL08P-C2-K	NO		DV-600P-WH	YES		TG-600PNLH-WH	NO
	SAL08P-V-K	NO		DV-603P	YES		TG-603PGH-WH	NO
	TAL08P-C2-K	NO		DV-603PH-WH	YES		TGCL-153PH-WH	NO
CTL	DM600-12-3	YES		DV-603PH-WH	NO		TGCL-153PH-WH	YES
	AAL06-C1	NO		DV-603PR	NO		TGCL-153PLH-WH	NO
EATON	SAL08P-LA-K	NO		DVCL-153P-WH	YES	LUX	DM600-12	NO
	TAL08P-1-C5	NO		DVCL-153P-WH	YES	MAXXIMA	MEW-DM600	YES
				DVCL-153P-WH-3	YES	RHINE	UC7067RYE	YES
GE	18024	NO		DVCL-153PH	YES	TAANCIL	Dim L13B	YES
HALO	SAL08P-W-HALOGF2	NO		DVCL-153PR-WH	YES			
LEGRAND	HCL453PTC	YES		DVCL-253PH	YES			
	RHCL453PW	YES		DVELV-300P-WH	NO			
LEVITON	6681	NO		DVELV-303P-WH	YES			
	6684	NO		DVW-600PH-WH	NO			
	603-6631-A	NO		DVWCL-153PH-WH	YES			
	6631-A	NO		DVWCL-153PH-WHC	YES			
	6631-LA	YES		LECL-153PH-WH	YES			
	6631-LA	NO		LGCL-153CL	NO			
	6683	NO		MACL-153M-WH	YES			
	6683-10Z	NO		MACL-153MH-WH	YES			
	6683-1W	NO		MACL-153MLH-WH	YES			
	IPE04-1LZ 400VA	NO		MACL-153MLPH-WH	YES			
	IFI06	YES		MACL-153MR-WH	YES			
	IFI08-1LZ	YES		MAELV-600-WH	YES			
	IFI10-1LZ	NO		MAW-600	NO			
	NO 6631	YES		MAW-600H-AL	YES			
	NO 6672	YES		MAW-600H-WH	NO			
	NO 6674	YES		MIR-600TH-WH	NO			
	NO 6681	NO		MRF2-6CL-WH	NO			
	NO 6681	YES		MSCL-OP153MH-WH	YES			
	NC IPL06	YES		PD-6WCL-WH-P	NO			
	S-600P-WH	NO		S-10PH	YES			
LUS	DM600-15L	NO		S-600	YES			
LUTRON	AY-600PH-WH	YES		S-600-AL	NO			
	AYCL-153P-WH	YES		S-600-IV	YES			
	AYCL-153PH	YES		S-600H-WH	YES			
	CT-103P-WH	YES		S-600P-WH	NO			
	CT-600PR-WH	YES		S-600PR-WH	NO			
	CTCL-153P-WH	NO						

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COMPATIBLE DIMMERS FOR E6A19DLEDXX/G6 & E6A19GUDLEDXX/G6:

BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE
ADRONE	ADPD453LW2	NO	LUTRON	CTCL-153PDH-WH	YES	LUTRON	S-603PGH-WH	NO
	ADTP703TUW4	YES		D-600PH-3CK	NO		S-603PH-WH	NO
	ADWR703HW4	YES		D-600PH-DK	YES		SCL-153P-WH	NO
AH	SDM600	YES		D-600PH-IV	YES		SCL-153PH-WH	NO
	SDM3/1030	NO		D-600R-WH	YES		SCL-153PH-WH	YES
COMFORTO COMODIDADE	DLE-01	NO		D-600RH-DK	YES		TG-600PH-IV	YES
	AAL06-C1	NO		DV-600P-WH	NO		TG-600PH-WH	NO
COOPER	DAL06P-C2-K	NO		DV-600PH-WH	YES		TG-600PHLH-WH	NO
	SAL06P-W-K	NO		DV-603P	NO		TG-603PGH-WH	NO
	TAL06P-C2-K	NO		DV-603PH-WH	YES		TGCL-153PH-WH	YES
CTL	DM600-12-3	YES		DV-603PH-WH	YES		TGCL-153PH-WH	NO
	AAL06-C1	NO		DV-603PR	NO		TGCL-153PLH-WH	NO
EATON	SAL06P-LA-K	NO		DVCL-153P-WH	YES	LUX	DM600-12	YES
	TAL06P1-C5	NO		DVCL-153P-WH	NO	MAXXIMA	MEW-DM600	YES
GE	18024	NO		DVCL-153P-WH-3	YES	RHINE	UC706/R1E	NO
HALO	SAL06P-W-HALOGF2	NO		DVCL-153PH	NO	TAANCIL	Dim-L13B	NO
LEGRAND	HCL-153PTC	YES		DVCL-153PR-WH	YES			
	RHCL-153PW	YES		DVCL-253PH	YES			
LEVITON	6681	YES		DVELV-300P-WH	NO			
	6684	YES		DVELV-303P-WH	YES			
	603-6631-A	YES		DVW-600PH-WH	NO			
	6631-A	YES		DVWCL-153PH-WH	NO			
	6631-LA	YES		DVWCL-153PH-WHC	NO			
	6631-LA	NO		LECL-153PH-WH	YES			
	6683	NO		LGCL-153CL	NO			
	6683-10Z	YES		MACL-153M-WH	YES			
	6683-1W	NO		MACL-153MH-WH	YES			
	IPE04-1LZ 400VA	NO		MACL-153MLH-WH	YES			
	IPI06	NO		MACL-153MLRH-WH	YES			
	IPI06-1LZ	YES		MACL-153MR-WH	YES			
	IPI10-1LZ	NO		MAELV-600-WH	YES			
	NO 6631	YES		MAW-600	NO			
	NO 6672	YES		MAW-600H-AL	NO			
	NO 6674	NO		MAW-600H-WH	NO			
	NO 6681	NO		MIR-600TH-WH	NO			
	NO 6681	NO		MRF2-6CL-WH	NO			
	NC IPL06	YES		MSCL-OP 153MH-WH	YES			
	S-600P-WH	NO		PD-6WCL-WH-P	NO			
LUS	DM600-15L	NO		S-10PH	YES			
LUTRON	AY-600PH-WH	NO		S-600	YES			
	AYCL-153P-WH	YES		S-600-AL	YES			
	AYCL-153PH	YES		S-600-IV	YES			
	CT-103P-WH	YES		S-600H-WH	YES			
	CT-600PR-WH	NO		S-600P-WH	NO			
	CTCL-153P-WH	NO		S-600PR-WH	NO			

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LED ENCLOSED RATED OMNIDIRECTIONAL A-LAMP A19 GEN 6 SERIES

Page: 5 of 7

COMPATIBLE DIMMERS FOR E9A19DLEDXX/G6 & E9A19GUDLEDXX/G6:

BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE
ADRONE	AOPD453LW2	YES	LUTRON	CTCL-153PDH-WH	YES	LUTRON	S-603PGH-WH	NO
	ADTF703TUW4	NO		D-600PH-3CK	NO		S-603PH-WH	NO
	ADWR703HW4	YES		D-603PH-DK	YES		SCL-153P-WH	NO
AH	SDM600	YES		D-600P-IV	YES		SCL-153PH-WH	NO
	SDM31000	NO		D-600R-WH	YES		SCL-153PH-WH	YES
CONFORTO	DLE-01	NO		D-600PH-DK	YES		TG-600PH-IV	YES
COOPER	AAL06-C1	NO		DV-600P-WH	NO		TG-600PH-WH	NO
	DAL06P-C2-K	NO		DV-600PH-WH	YES		TG-600PNLH-WH	NO
	SAL06P-W-K	NO		DV-603P	NO		TG-603PGH-WH	NO
	TAL06P-C2-K	NO		DV-603PH-WH	YES		TGCL-153PH-WH	YES
CTL	DM600-12-3	YES		DV-603PH-WH	YES		TGCL-153PH-WH	NO
	AAL06-C1	NO		DV-603PR	NO		TGCL-153PLH-WH	NO
EATON	SAL06P-LA-K	NO	LUTRON	DVCL-153P-WH	YES	LUX	DM600-12	YES
	TAL06P-C5	NO		DVCL-153P-WH	NO	MAXXIMA	MEW-DM600	YES
GE	18024	NO		DVCL-153P-WH-3	YES	RHINE	JC7067RYE	NO
HALO	SAL06P-W-HALOGF2	NO		DVCL-153PH	NO	TAANCIL	Dim-L13B	NO
LEGRAND	HCL453PTC	YES		DVCL-153PR-WH	YES			
	PHCL453PW	YES		DVCL-253PH	YES			
LEVITON	6681	YES		DVELV-300P-WH	NO			
	6684	YES		DVELV-303P-WH	YES			
	603-6631-A	YES		DVW-600PH-WH	NO			
	6631-A	YES		DVWCL-153PH-WH	NO			
	6631-LA	YES		DVWCL-153PH-WHC	NO			
	6631-LA	NO		LECL-153PH-WH	YES			
	6683	NO		LGCL-153CL	NO			
	6693-10Z	YES		MACL-153M-WH	YES			
	6683-1W	NO		MACL-153MH-WH	YES			
	IFE04-1LZ-400VA	NO		MACL-153MLH-WH	YES			
	IP106	NO		MACL-153MLPHW-WH	YES			
	IP106-1LZ	YES		MACL-153MR-WH	YES			
	IP110-1LZ	NO		MAELV-600-WH	YES			
	NO 6631	YES		MAW-600	NO			
	NO 6672	YES		MAW-600H-AL	NO			
	NO 6674	NO		MAW-600H-WH	NO			
	NO 6691	NO		MIR-600TH-WH	NO			
	NO 6681	NO		MRF2-6CL-WH	NO			
	NO IFL06	YES		MSCL-OP153MH-WH	YES			
	S-600P-WH	NO		PD-6WCL-WH-P	NO			
LUS	DM600-15L	NO		S-10PH	YES			
LUTRON	AY-600PH-WH	NO		S-600	YES			
	AYCL-153P-WH	YES		S-600-AL	YES			
	AYCL-153PH	YES		S-600-IV	YES			
	CT-103P-WH	YES		S-600H-WH	YES			
	CT-600PR-WH	NO		S-600P-WH	NO			
	CTCL-153P-WH	NO		S-600PR-WH	NO			

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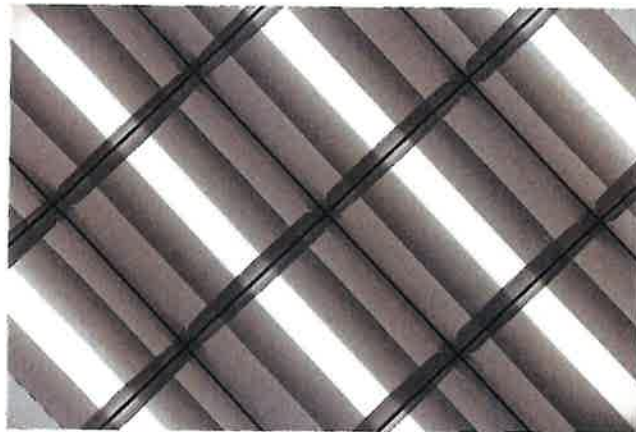
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Parkfairfax Unit Owners Association

Parkfairfax - Coryell Pool

April 02, 2019



Prepared By:

Heller Craig
cheller@lightility.com

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Project Summary

	Existing	After Retrofit
Number of Fixtures	21	21
Lighting System Energy Consumption (kW)	1.375	.221
Current Utility Rate - \$/kWh	\$0.120000	

Savings Summary

Energy Reduction



5,042 kWh
REDUCED

Energy Savings



\$605
SAVED

Maintenance Savings



\$166
SAVED

Financial Summary

Project Cost	\$3,653.02
Tax (6.00%)	\$82.27
Less Rebates	\$0.00
Net Project Cost	\$3,735.29



4.8 yrs

This is the payback period of time to reach the breakeven point



101.88%

This is the return on investment over analysis years



\$3,805.61

This is used in budgeting to analyze profitability of investment



15.55%

This is a metric used to measure profitability of potential investment

Monthly Cost of Delay

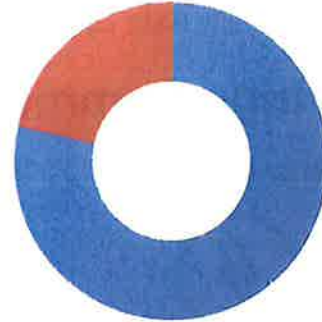
\$64.27

Project Cost & Savings Summary

The following graphs and tables show the annual project costs and savings expected with the proposed design, based on annual usage hours and a utility rate of \$0.120000 per kWh.

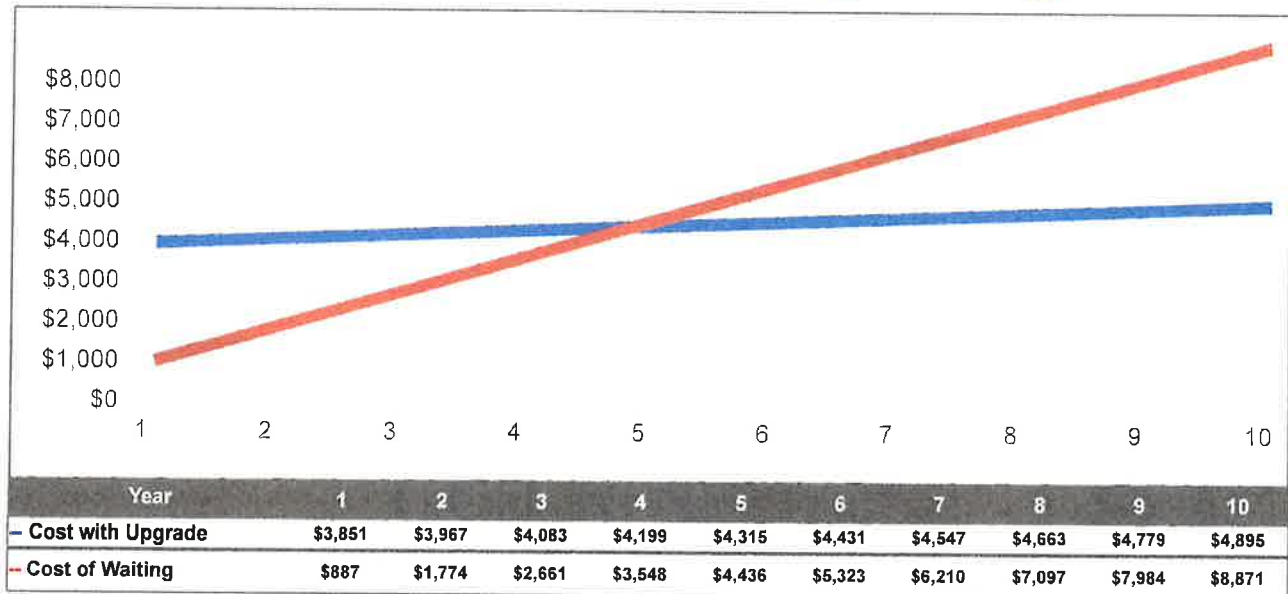
Financial Costs and Savings

	Costs	Savings
Cost of Project	\$3,735	
Incentive Estimate		\$0
Annual Energy Savings		\$605
Annual Maintenance Savings		\$166



The Cost of Waiting

■ Energy (\$605) ■ Maintenance (\$166)

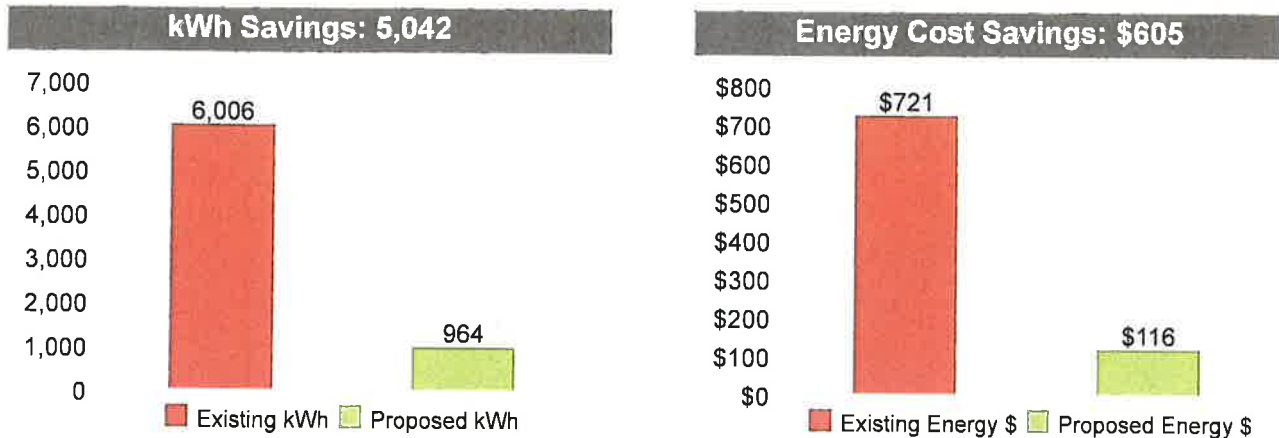


Cumulative Costs Over 10 Year Lifecycle (\$)
(Graph based on Single Investment project data)

\$7,711.96
Estimated Lifecycle Savings

Energy Savings Summary

The following graphs and tables show the annual energy savings expected with the proposed design, based on annual usage hours and a utility rate of \$0.120000 per kWh.

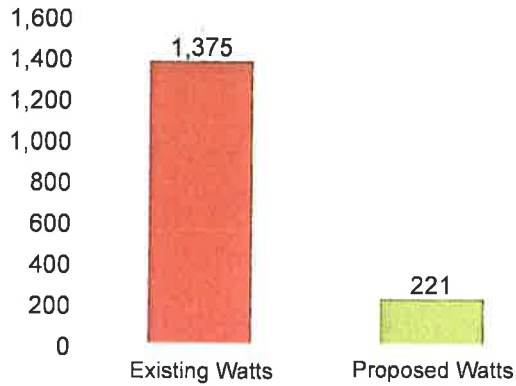


Area Detail

Location	Area	Energy Reduction %	Avg. Burn Hour Reduction %	Annual Energy Savings
PUOA0001	Pool C Preston and Cornell	83.96%	0.00%	\$605
Total Number of Fixtures: 21				

Fixture Summary

Fixture Watts Saved: 1,154



Proposed Actions

Retrofit	21
----------	----

Fixture Breakdown

Existing			Proposed				Savings
Fixture Name	Qty	Watts	Solution Name	Qty	Watts	Action	Watts
CFL-CFQ17W-1	6	144	Marlex, Vangaurd Post Top, Maxlite, 9W, LED A19, 4000K, Dim, Enclosed	6	54	Retrofit	90
F-F32T8-1	1	31	Maxlite, 14W, 4' T8 Internal, 4000K, T8 Lamp, DLC 1L	1	14	Retrofit	17
INCAN-I60-1	2	120	Sunlite, 11.3W LED Lantern, 4000K	2	23	Retrofit	97
MH-MH70-1	10	900	Marlex, Vangaurd Post Top, Maxlite, 9W, LED A19, 4000K, Dim, Enclosed	10	90	Retrofit	810
MH-MH70-1	2	180	Best, 20W, LED Security Light, 4000K	2	40	Retrofit	140

Annual Environmental Impact

Reducing energy use is the quickest, safest, most cost-effective way to reduce the emission of greenhouse gases that accompanies the generation of electricity from fossil fuels. Reducing 5,042 kWh per year on this project is equivalent to:



7,815.0 lbs. CO₂ Saved

(Leading Cause of Global Warming)

- OR -



0.7 Cars Removed from Road

(4.73 Metric Tons of CO₂ / Passenger Vehicle)

- OR -



398.9 Gallons of Gas Consumed

(0.008887 Metric Ton of CO₂ per Gallon of Gasoline)

- OR -



90.9 Tree Seedlings Grown

(0.039 Metric Ton of CO₂ per Urban Tree Planted for 10 years)

- OR -



3.3 Acres of Forest in 1 Year

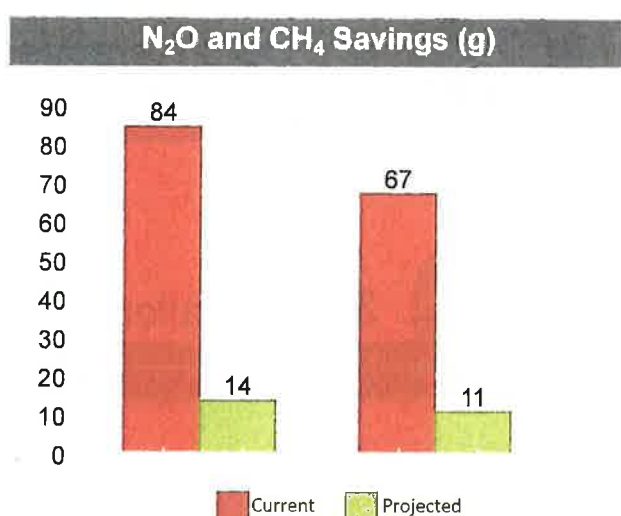
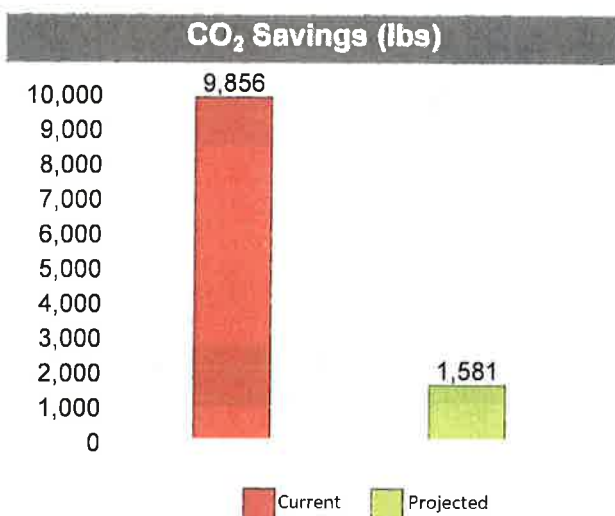
(1.06 Metric Tons of CO₂ Sequestered Annually by 1 Acre of U.S. forest)

Cited using
<https://www.epa.gov/energy/greenhouse-gases-equivalencies-calculator-calculations-and-references>

Annual Greenhouse Gas Impact

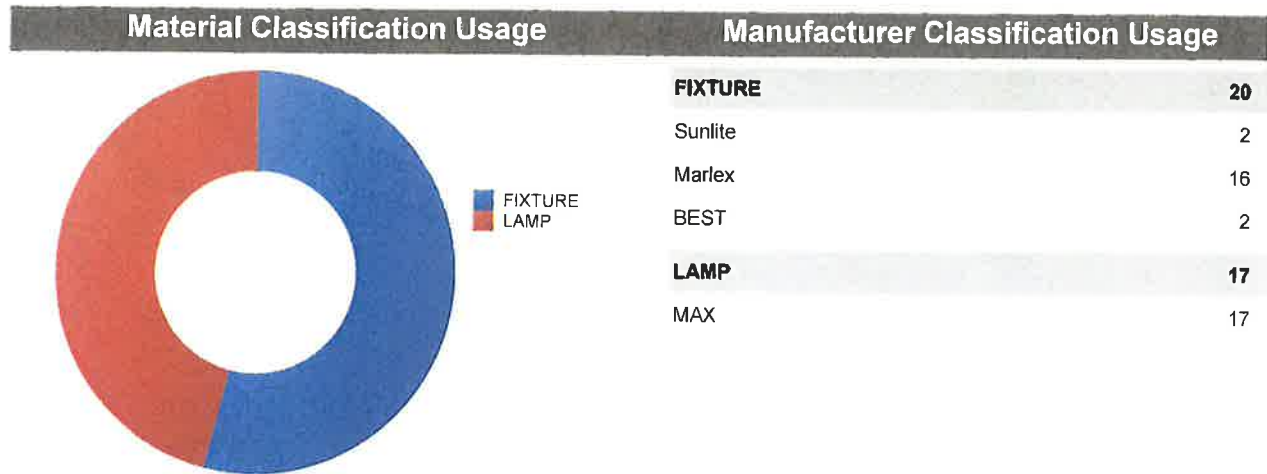
Reducing energy use is the quickest, safest, most cost-effective way to reduce the emission of greenhouse gases that accompanies the generation of electricity from fossil fuels. Reducing 5,042 kWh per year on this project reduces:

Greenhouse Gas	Current	Projected	Saved
Carbon Dioxide, CO ₂ (lbs)	9,856	1,581	8,275
Nitrous Oxide, N ₂ O (g)	84	14	71
Methane, CH ₄ (g)	67	11	56



Cited using
<https://www.epa.gov/energy/greenhouse-gases-equivalencies-calculator-calculations-and-references>

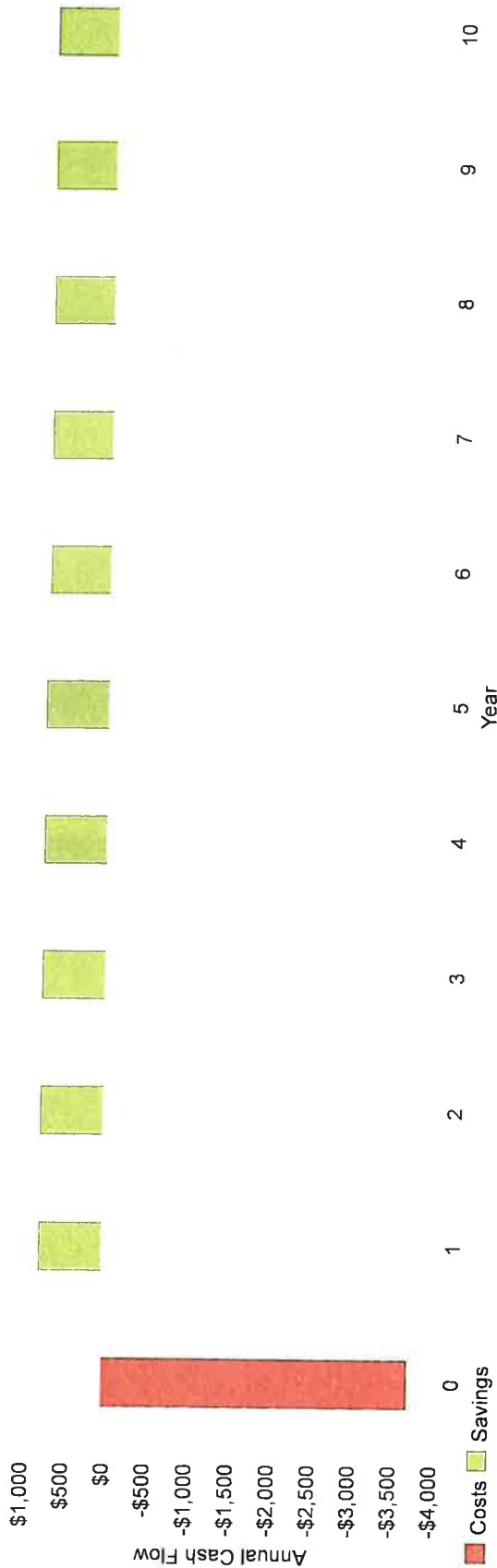
Material Summary



Materials Breakdown

Description	Qty	Rated Life	Warranty Years
FIXTURE	20		
Sunlite, 11.3W LED Lantern, 4000K	2	50,000	5
Marlex, Vangaurd Post Top	16	0	0
Best, 20W, LED Security Light, 4000K	2	50,000	5
LAMP	17		
Maxlite, 9W, LED A19, 4000K, Dim, Enclosed	16	25,000	5
Maxlite, 14W, 4' T8 Internal, 4000K, DLC	1	50,000	5

Cash Flow Graph



	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year
	0	1	2	3	4	5	6	7	8	9	10
SUBTOTAL COSTS	\$3,735	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SUBTOTAL SAVINGS	\$0	\$771	\$771	\$771	\$771	\$771	\$737	\$737	\$737	\$737	\$737
TOTAL CASH FLOWS	-\$3,735	\$771	\$771	\$771	\$771	\$771	\$737	\$737	\$737	\$737	\$737

\$3,806
NPV

101.88%
ROI

15.55%
IRR

2.02
SIR

Fixture Detail

Totals		21	6,006	21	964	\$0	\$605	\$0	\$166							
Area		Existing				Proposed Solution				Savings						
Room	Existing	Watts	Qty	Burn	kWh	Proposed	Watts	Qty	% Red. Burn	kWh	Ctrl Qty	Rebates	Energy	HVAC	Maintenance	
PUOA0001 / Pool C Preston and Cornell																
Poles 10 feet	MH-MH70-1 / Post Top-Medium-Frosted-Pole-No	90.0	10	4,368	3,931	Marlex, Vanguard Post Top, Maxlite, 9W, LED A19, 4000K, Dim, Enclosed	9.0	10	0	4,368	393	0	\$0	\$425	\$0	\$109
Poles 10 feet	CFL-CFQ17W-1 / Acorn-A19-Clear-Arm-No	24.0	6	4,368	629	Marlex, Vanguard Post Top, Maxlite, 9W, LED A19, 4000K, Dim, Enclosed	9.0	6	0	4,368	236	0	\$0	\$47	\$0	\$5
Poles 10 feet	MH-MH70-1 / Wallpack-Medium-Frosted-Wall-No	90.0	2	4,368	786	Best, 20W, LED Security Light, 4000K	20.0	2	0	4,368	175	0	\$0	\$73	\$0	\$22
Poles 10 feet	INCAN-160-1 / Jelly Jar-A19-Frosted-Wall-No	60.0	2	4,368	524	Sunlite, 11.3W LED Lantern, 4000K	11.3	2	0	4,368	99	0	\$0	\$51	\$0	\$19
Tubes	F-F32T8-1 / Strip-4 foot-Diffused-Surface-No	31.0	1	4,368	135	Maxlite, 14W, 4' T8 Internal, 4000K, T8 Lamp, DLC 1L	14.0	1	0	4,368	61	0	\$0	\$9	\$0	\$10
Totals		21		6,006			21			964		\$0	\$605	\$0	\$166	

LEDWPPCSNF 20 Watt LED Wall Pack



Project:	
Type:	
Catalog #:	

STANDARD



The LEDWPPCSNF wall pack is an economical solution for outdoor perimeter and area lighting. With a built-in photocell, a die cast aluminum housing, and a frosted, polycarbonate lens, the LEDWPPCSNF is a versatile and durable outdoor luminaire. High-efficacy, long-life LEDs provide both energy and maintenance cost savings compared to traditional, HID wall packs.

FEATURES

- Available in 3000k (warm white), 4000k (neutral white) and 5000k (cool white) color temperatures.*
- Long-life LEDs provide 63,000 hours of operation with at least 70% of initial lumen output (L₇₀).^{**}
- Provides 2,381 lumens and 121 lumens per watt (LPW) at 3000k; 2,393 lumens and 123 LPW at 4000k; and 2,472 lumens and 126 LPW at 5000k.*
- Frosted lens provides uniform illumination with no visible LED pixilation.
- Universal 120-277 AC voltage (50-60Hz) is standard.
- Standard photocell (120-277V).
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index > 80.
- Die cast aluminum housing with durable, dark bronze, powder coat paint.
- Polycarbonate lens is sealed and gasketed to prevent leaks.
- Easy installation in new construction or retrofit.

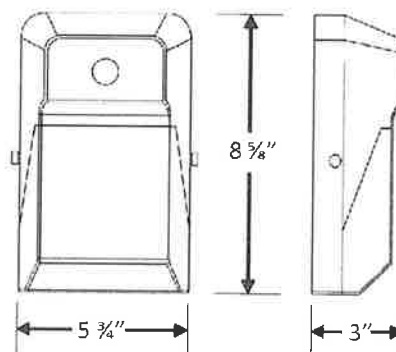
*Contact factory for other color temperatures and lumen packages.
^{**}L₇₀ hours are IES TM-21-11 calculated hours.



WARRANTY & LISTINGS

- cULus listed for wet locations in ambient temperatures from -20°C to 45°C (-4°F to 113°F).
- IP65 rated for ingress protection.
- DLC standard approved (except 3000k model).
- Complies with RoHS (Restriction on Hazardous Substances) requirements.
- 5-year warranty on all electronics and housing.

DIMENSIONS



Weight: 1.8 lbs.

ORDERING INFORMATION

Example: LEDWPPCSNF-20W-3K

Model	Luminaire Watts	Color Temperature	Luminaire Lumens	Lumens Per Watt
LEDWPPCSNF	20W	3K = 3000k	2,381	121
		4K = 4000k	2,393	123
		5K = 5000k	2,472	126

LEDWPPCSNF 20 Watt LED Wall Pack



ELECTRICAL

Model	Color Temperature	CRI ¹	Luminaire Lumens	Luminaire Watts	Lumens Per Watt	Input Voltage ²	Input Current (A)			Power Factor	THD ³	L ₇₀ Hours ⁴
							120V	240V	277V			
LEDWPPCSNF-20W-3K	3000k	> 80	2,381	20	121	120-277	0.16	0.08	0.07	> 90%	< 20%	63,000
LEDWPPCSNF-20W-4K	4000k	> 80	2,393	20	123	120-277	0.16	0.08	0.07	> 90%	< 20%	63,000
LEDWPPCSNF-20W-5K	5000k	> 80	2,472	20	126	120-277	0.16	0.08	0.07	> 90%	< 20%	63,000

¹ Color rendering index.

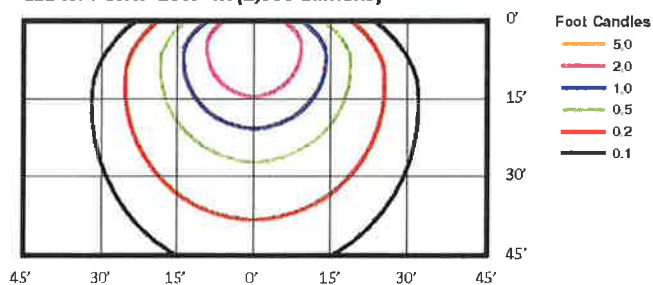
² All 50-60Hz.

³ Total harmonic distortion.

⁴ L₇₀ refers to the number of hours at which lumen output declines to 70% of the initial level. L₇₀ hours are IES TM-21-11 calculated hours.

PHOTOMETRIC DATA

LEDWPPCSNF-20W-4K (2,393 Lumens)



Notes:

- Isofootcandle plots depict initial footcandles at grade.
- Gridlines represent units of mounting height of 15 feet.



PROJECT NAME: _____ CATALOG NUMBER: _____
NOTES: _____ FIXTURE SCHEDULE: _____

Page: 1 of 7

LED ENCLOSED RATED OMNIDIRECTIONAL A-LAMP A19 GEN 6 SERIES



6W, 9W & 11W



15W



GU24 Base



PRODUCT DESCRIPTION:

MaxLite's LED enclosed rated Omnidirectional A-Line lamp replicate true A19 incandescents. They are suited to a wide variety of residential and commercial applications, including pendants, wall sconces and table and floor lamps.

FEATURES:

- 6W, 480lm, 40W Inc. replacement
- 9W, 800lm, 60W Inc. replacement
- 11W, 1100lm, 75W Inc. replacement
- 15W, 1600lm, 100W Inc. replacement
- Dimmable down to 10%
- Power factor: ≥ 0.70
- 25,000 hour life (L70 standards)
- CRI: ≥ 80
- Volts: 120V
- ENERGY STAR certified
- Available in E26 and GU24 base
- Suitable for dry and damp locations
- Suitable for use in fully enclosed luminaires
- Five year limited warranty

APPLICATIONS

- Pendants
- Table and floor lamps
- Sconces

ORDERING:

MODEL SELECTION (Full list of order codes on pg. 2)				
FAMILY	BASE	DIMMABILITY	CCT	GENERATION
E6A19 = 6 watts, A19 E9A19 = 9 watts, A19 E11A19 = 11 watts, A19 E15A19 = 15 watts, A19	(OMIT) = E26 GU = GU24	DLED = Dimmable	27 = 2700K 30 = 3000K 40 = 4000K 50 = 5000K*	/G6 = Generation 6

NOTES:

1. E6A19DLED27/G6 is available in bulk pack (50pcs)
2. E9A19DLED27/G6 is available in 4-Packs and bulk pack (50pcs)
- * 5000K CCT is only available as E9A19GUDLED50/G6

Specifications are subject to change without notice.

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LED ENCLOSED RATED OMNIDIRECTIONAL A-LAMP A19 GEN 6 SERIES

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SPECIFICATIONS:

		E6A19DLEDxx/G6	E9A19DLEDxx/G6	E11A19DLEDxx/G6	E15A19DLEDxx/G6
ITEM	SPECIFICATION	DETAILS			
GENERAL PERFORMANCE	Power Consumption	6W	9W	11W	15W
	Lumens Delivered	480	800	1100	1600
	Efficacy (lm/w)	80	88	100	106
	CRI	≥80			
	Color Temperature (CCT)	2700K, 3000K, 4000K, 5000K*			
	Lumen Maintenance (L70)	25,000 Hours			
ELECTRICAL	Power Factor	≥0.70			
	Input Voltage	120V			
PHYSICAL	Base Type	E26			
	Operating Temperature	-4°F - 104°F			
CERTIFICATION	Certification	ENERGY STAR, UL Listed, FCC, RoHS Compliant			
	Environment	Dry, Damp			
	Warranty	5 Year Limited			

Lighting layouts and spacing criteria available upon request

* 5000K CCT is only available as E9A19DLED50/G6

ORDERING:

ORDER CODE	MODEL	ENERGY STAR	WATTS	EQUIVALENCY	DELIVER LUMENS	EFFICACY (lm/W)	CRI	CCT	DIMENSIONS (W" x H" x D")
E26 Base									
14099390	E6A19DLED27/G6	★	6	40W Inc.	480	80	80	2700K	2.36" x 4.25"
14099391	E6A19DLED27/G6/BP	★	6	40W Inc.	480	80	80	2700K	
14099392	E6A19DLED30/G6	★	6	40W Inc.	480	80	80	3000K	
14099393	E6A19DLED40/G6	★	6	40W Inc.	480	80	80	4000K	
14099394	E9A19DLED27/G6	★	9	60W Inc.	800	88	80	2700K	
14099395	E9A19DLED27/G6/4P	★	9	60W Inc.	800	88	80	2700K	
14099396	E9A19DLED27/G6/BP	★	9	60W Inc.	800	88	80	2700K	
14099397	E9A19DLED30/G6	★	9	60W Inc.	800	88	80	3000K	
14099398	E9A19DLED40/G6	★	9	60W Inc.	800	88	80	4000K	
14099399	E11A19DLED27/G6	★	11	75W Inc.	1100	100	80	2700K	
14099400	E11A19DLED30/G6	★	11	75W Inc.	1100	100	80	3000K	
14099401	E11A19DLED40/G6	★	11	75W Inc.	1100	100	80	4000K	
14099402	E15A19DLED27/G6	★	15	100W Inc.	1600	106	80	2700K	2.36" x 4.61"
14099403	E15A19DLED30/G6	★	15	100W Inc.	1600	106	80	3000K	
14099404	E15A19DLED40/G6	★	15	100W Inc.	1600	106	80	4000K	

★ ENERGY STAR certified

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LED ENCLOSED RATED OMNIDIRECTIONAL A-LAMP A19 GEN 6 SERIES

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ORDER CODE	MODEL	ENERGY STAR	WATTS	EQUIVALENCY	DELIVER LUMENS	EFFICACY (lm/W)	CRI	CCT	DIMENSIONS (W" x MOL")
GU24 Base									
14099405	E6A19GUDLED27/G6	★	6	40W Inc.	480	80	80	2700K	2.36" x 4.21"
14099406	E6A19GUDLED30/G6	★	6	40W Inc.	480	80	80	3000K	
14099407	E6A19GUDLED40/G6	★	6	40W Inc.	480	80	80	4000K	
14099408	E9A19GUDLED27/G6	★	9	60W Inc.	800	89	80	2700K	
14099409	E9A19GUDLED30/G6	★	9	60W Inc.	800	89	80	3000K	
14099410	E9A19GUDLED40/G6	★	9	60W Inc.	800	89	80	4000K	
100759	E9A19GUDLED50/G6	★	9	60W Inc.	800	89	80	5000K	
14099411	E11A19GUDLED27/G6	★	11	75W Inc.	1100	100	80	2700K	
14099412	E11A19GUDLED30/G6	★	11	75W Inc.	1100	100	80	3000K	
14099413	E11A19GUDLED40/G6	★	11	75W Inc.	1100	100	80	4000K	
14099414	E15A19GUDLED27/G6	★	15	100W Inc.	1600	106	83	2700K	2.36" x 4.61"
14099415	E15A19GUDLED30/G6	★	15	100W Inc.	1600	106	83	3000K	
14099416	E15A19GUDLED40/G6	★	15	100W Inc.	1600	106	83	4000K	

★ ENERGY STAR certified

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COMPATIBLE DIMMERS FOR E6A19DLEDXX/G6 & E6A19GUDLEDXX/G6:

BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE
ADRONE	ADPD453LW2	NO	LUTRON	CTCL-153PDH-WH	YES	LUTRON	S-603PH-WH	NO
	ADTP703TLW4	YES		D-600PH-3CK	NO		S-603PH-WH	NO
	ADWR703HW4	YES		D-600PH-DK	YES		SCL-153P-WH	NO
AH	SDM600	YES		D-600R-IV	YES		SCL-153PH-WH	NO
	SDM31000	NO		D-600R-WH	YES		SCL-153PH-WH	YES
CONFORTO COMODIDADE	DLE-01	NO		D-600RH-DK	YES		TG-600PH-IV	YES
COOPER	AAL06-C1	NO		DV-600P-WH	NO		TG-600PH-WH	NO
	DAI06P-C2-K	NO		DV-000PH-WH	YES		TG-600PNLH-WH	NO
	SAL06P-W-K	NO		DV-603P	NO		TG-603PH-WH	NO
	TAL06P-C2-K	NO		DV-603PH-WH	YES		TGCL-153PH-WH	YES
CTL	DM600-12-3	YES		DV-603PH-WH	YES		TGCL-153PH-WH	NO
EATON	AAL06-C1	NO		DV-603PR	NO		TGCL-153PH-WH	NO
	SAL06P-LA-K	NO		DVCL-153P-WH	YES	LUX	DM600-12	YES
	TAL06P1-C5	NO		DVCL-153P-WH	NO	MAXXIMA	MEW-DM600	YES
GE	18024	NO		DVCL-153P-WH-3	YES	RHINE	UC7067BYE	NO
HALO	SAL06P-W-HALOGF2	NO		DVCL-153PH	NO	TAANCIL	Dim-L13B	NO
LEGRAND	HCL453PTC	YES		DVCL-153PR-WH	YES			
	FR-CL453PW	YES		DVCL-253PH	YES			
LEVITON	6681	YES		DVELV-300P-WH	NO			
	6684	YES		DVELV-303P-WH	YES			
	603-6631-A	YES		DVW-600PH-WH	NO			
	6631-A	YES		DVWCL-153PH-WH	NO			
	6631-LA	YES		DVWCL-153PH-WHC	NO			
	6631-LA	NO		LECL-153PH-WH	YES			
	6683	NO		LGCL-153CL	NO			
	6683-10Z	YES		MACL-153M-WH	YES			
	6683-1W	NO		MACL-153MH-WH	YES			
	IPE04-1LZ 400VA	NO		MACL-153MLH-WH	YES			
	IPI06	NO		MACL-153MLRH-WH	YES			
	IPI06-1LZ	YES		MAELV-600-WH	YES			
	IPI10-1LZ	NO		MAW-600	NO			
	NO 6631	YES		MAW-600H-AL	NO			
	NO 6672	YES		MAW-600H-WH	NO			
	NO 6674	NO		MIR-600TH-WH	NO			
	NO 6681	NO		MRF2-6CL-WH	NO			
	NO 6681	NO		MSCL-OP153MH-WH	YES			
	NO IPI06	YES		PD-6WCL-WH-P	NO			
	S-600P-WH	NO		S-10PH	YES			
LUS	DM600-15L	NO		S-600	YES			
LUTRON	AY-600PH-WH	NO		S-600-AL	YES			
	AYCL-153P-WH	YES		S-600-IV	YES			
	AYCL-153PH	YES		S-600H-WH	YES			
	CT-103P-WH	YES		S-600P-WH	NO			
	CT-600P-WH	NO		S-600PR-WH	NO			

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COMPATIBLE DIMMERS FOR E9A19DLEDXX/G6 & E9A19GUDLEDXX/G6:

BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE
ADRONE	ADPD453LW2	YES	LUTRON	CTCL-153PDH-WH	YES	LUTRON	S-603PGH-WH	NO
	ADTP703TUW4	NO		D-600PH-3CK	NO		S-603PH-WH	NO
	ADWR703HW4	YES		D-600PH-DOK	YES		SCL-153P-WH	NO
AH	SOM600	YES		D-600R-IV	YES		SCL-153PH-WH	NO
	SOM311000	NO		D-600R-WH	YES		SCL-153PH-WH	YES
CONFORTO COMODIDADE	DLE-01	NO		D-600RH-DK	YES		TG-600PH-IV	YES
	AAL06-C1	NO		DV-600P-WH	NO		TG-600PH-WH	NO
COOPER	DAL06P-C2-K	NO		DV-600PH-WH	YES		TG-600PNLH-WH	NO
	SAL06P-W-K	NO		DV-603P	NO		TG-603PGH-WH	NO
	TAL06P-C2-K	NO		DV-603PH-WH	YES		TGCL-153PH-WH	YES
CTL	DM600-12-3	YES		DV-603PH-WH	YES		TGCL-153PH-WH	NO
	AAL06-C1	NO		DV-603PR	NO		TGCL-153PLH-WH	NO
EATON	SAL06P-LA-K	NO		DVCL-153P-WH	YES	LUX	DM600-12	YES
	TAL06P1-C5	NO		DVCL-153P-WH	NO	MAXXIMA	MEW-DM600	YES
GE	18024	NO		DVCL-153P-WH-3	YES	RHINE	UC7067RYE	NO
HALO	SAL06P-W-HALOGF2	NO		DVCL-153PH	NO	TAANCIL	Dim-L13B	NO
LEGRAND	HCL453PTC	YES		DVCL-153PR-WH	YES			
	RHCL453PW	YES		DVCL-253PH	YES			
LEVITON	66B1	YES		DVELV-300P-WH	NO			
	66B4	YES		DVELV-303P-WH	YES			
	603-6631-A	YES		DVW-600PH-WH	NO			
	6631-A	YES		DVWCL-153PH-WH	NO			
	6631-LA	YES		DVWCL-153PH-WHC	NO			
	6631-LA	NO		LECL-153PH-WH	YES			
	66B3	NO		LGCL-153CL	NO			
	66B3-10Z	YES		MACL-153M-WH	YES			
	66B3-1W	NO		MACL-153MH-WH	YES			
	IFE04-1LZ 400VA	NO		MACL-153MLH-WH	YES			
	IP106	NO		MACL-153MLRH-WH	YES			
	IP106-1LZ	YES		MACL-153MR-WH	YES			
	IP110-1LZ	NO		MAELV-600-WH	YES			
	NO.6631	YES		MAW-600	NO			
	NO.6672	YES		MAW-600H-AL	NO			
	NO.6674	NO		MAW-600H-WH	NO			
	NO.6681	NO		MIR-600TH-WH	NO			
	NO.6681	NO		MRF2-6CL-WH	NO			
	NO IFL06	YES		MSCL-OP153MH-WH	YES			
	S-600P-WH	NO		PD-6WCL-WH-P	NO			
LUS	DM600-15L	NO		S-10PH	YES			
LUTRON	AY-600PH-WH	NO		S-600	YES			
	AYCL-153P-WH	YES		S-600-AL	YES			
	AYCL-153PH	YES		S-600-IV	YES			
	CT-103P-WH	YES		S-600H-WH	YES			
	CT-600PR-WH	NO		S-600P-WH	NO			
	CTCL-153P-WH	NO		S-600PR-WH	NO			

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LED ENCLOSED RATED OMNIDIRECTIONAL A-LAMP A19 GEN 6 SERIES

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COMPATIBLE DIMMERS FOR E11A19DLEDXX/G6 & E11A19GUDLEDXX/G6:

BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE
ADRONE	ADPD453LW2	NO	LUTRON	CTCL-153PDH-WH	YES	LUTRON	S-603PH-WH	NO
	ADTP703TUW4	NO		D-600PH-3CK	NO		S-603PH-WH	NO
	ADWR703HW4	NO		D-600PH-OK	YES		SCL-153P-WH	YES
AH	SDM/600	NO		D-600R-IV	NO		SCL-153PH-WH	NO
	SDM31000	NO		D-600R-WH	NO		SCL-153PH-WH	YES
CONFORTE COMMODORAE	DLE-01	YES		D-600RH-DK	YES		TG-600PH-IV	NO
COOPER	AAL06-C1	NO		DV-600P-WH	YES		TG-600PH-WH	YES
	DAL06P-C2-K	NO		DV-600PH-WH	YES		TG-600PHNLH-WH	NO
	SAL06P-W-K	NO		DV-603P	YES		TG-603PGH-WH	NO
	TAL06P-C2-K	NO		DV-603PH-WH	YES		TGCL-153PH-WH	NO
CTL	DM600-12-3	YES		DV-603PH-WH	NO		TGCL-153PH-WH	YES
EATON	AAL06-C1	NO		DV-603PR	NO		TGCL-153PLH-WH	NO
	SAL06P-LA-K	NO		DVCL-153P-WH	YES	LUX	DM600-12	NO
	TAL06P1-C5	NO		DVCL-153P-WH	YES	MAXXIMA	MEW-DM600	YES
GE	18024	NO		DVCL-153P-WH-3	YES	OLEGRAND	UC7067RYE	YES
HALO	SAL06P-W-HALOGF2	NO		DVCL-153PH	YES	RHINE	Dim-L13B	YES
LEGRAND	HCL453PTC	YES		DVCL-153PH-WH	YES	TAANCIL	Dim-L13B	YES
LEVITON	RHCL453PW	YES		DVCL-253PH-I	YES			
	6681	NO		DVELV-300P-WH	NO			
	6684	NO		DVELV-303P-WH	YES			
	603-6631-A	NO		DVW-600PH-WH	NO			
	6631-A	NO		DVWCL-153PH-WH	YES			
	6631-LA	YES		DVWCL-153PH-WHC	YES			
	6631-LA	NO		LECL-153PH-WH	YES			
	6683	NO		LGCL-153CL	NO			
	6683-10Z	NO		MACL-153M-WH	YES			
	6683-1W	NO		MACL-153MH-WH	YES			
	IPED4-1LZ 400VA	NO		MACL-153MLH-WH	YES			
	IP106	YES		MACL-153MLRH-WH	YES			
	IP106-1LZ	YES		MACL-153MR-WH	YES			
	IP110-1LZ	NO		MAELV-600-WH	YES			
	NO 6631	YES		MAW-600	NO			
	NO 6672	YES		MAW-600H-AL	YES			
	NO 6674	YES		MAW-600H-WH	NO			
	NO 6681	NO		MIR-600H-WH	NO			
	NO 6681	YES		MRF2-6CL-WH	NO			
	NO IPL06	YES		MSCL-CP153MH-WH	YES			
LUS	S-600P-WH	NO		PD-6WCL-WH-P	NO			
LUTRON	DM600-15L	NO		S-10PH	YES			
	AY-600PH-WH	YES		S-600	YES			
	AYCL-153P-WH	YES		S-600-AL	NO			
	AYCL-153PH	YES		S-600-IV	YES			
	CT-103P-WH	YES		S-600H-WH	YES			
	CT-600PR-WH	YES		S-600P-WH	NO			
	CTCL-153P-WH	NO		S-600PR-WH	NO			

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LED ENCLOSED RATED OMNIDIRECTIONAL A-LAMP A19 GEN 6 SERIES

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COMPATIBLE DIMMERS FOR E15A19DLEDXX/G6 & E15A19GUDLEDXX/G6:

BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE	BRAND	MODEL	COMPATIBLE
ADRONE	ADPD453LW2	NO	LUTRON	CTCL-153PDH-WH	YES	LUTRON	S-603PGH-WH	NO
	ADTP703TUW4	NO		D-600PH-3CK	NO		S-603PH-WH	NO
	ADWR703HW4	NO		D-600PH-OK	YES		SCL-153P-WH	YES
AH	SDM600	NO		D-600R-IV	NO		SCL-153PH-WH	NO
	SDM3/1000	NO		D-600R-WH	NO		SCL-153PH-WH	YES
CONFORTO COMODIDADE	CLE-01	YES		D-600RH-OK	YES		TG-600PH-IV	NO
COOPER	AAL06-C1	NO		DV-600P-WH	YES		TG-600PH-WH	YES
	DAL06P-C2-K	NO		DV-600PH-WH	YES		TG-600PHLH-WH	NO
	SAL06P-W-K	NO		DV-603P	YES		TG-603PGH-WH	NO
	TAL06P-C2-K	NO		DV-603PH-WH	YES		TGCL-153PH-WH	NO
CTL	DM600-12-3	YES		DV-603PH-WH	NO		TGCL-153PH-WH	YES
EATON	AAL06-C1	NO		DV-603PR	NO		TGCL-153PLH-WH	NO
	SAL06P-LA-K	NO		DVCL-153P-WH-1	YES	LUX	DM600-12	NO
	TAL06P1-C5	NO		DVCL-153P-WH-1	YES	MAXXIMA	MEW-DM600	YES
GE	18024	NO		DVCL-153P-WH-3	YES	RHINE	UC7067RYE	YES
HALO	SAL06P-W-HALOGF2	NO		DVCL-153PH	YES	TAANCIL	Dim-L13B	YES
LEGRAND	HCL453PTC	YES		DVCL-153PR-WH-1	YES			
	RHCL453PW	YES		DVCL-253PH	YES			
LEVITON	6681	NO		DVELV-300P-WH	NO			
	6684	NO		DVELV-303P-WH	YES			
	603-6631-A	NO		DVW-600PH-WH	NO			
	6631-A	NO		DVWCL-153PH-WH	YES			
	6631-LA	YES		DVWCL-153PH-WHC	YES			
	6631-LA	NO		LECL-153PH-WH	YES			
	6683	NO		LGCL-153CL	NO			
	6683-10Z	NO		MACL-153M-WH	YES			
	6683-1W	NO		MACL-153MH-WH	YES			
	IFE04-1LZ 400VA	NO		MACL-153MLH-WH	YES			
	IPL06	YES		MACL-153MLPHW-WH	YES			
	PI06-1LZ	YES		MACL-153MR-WH	YES			
	PI10-1LZ	NO		MAELV-600-WH	YES			
	NO.6631	YES		MAW-600	NO			
	NO.6672	YES		MAW-600H-AL	YES			
	NO.6674	YES		MAW-600H-WH	NO			
	NO.6681	NO		MIR-600TH-WH	NO			
	NO.6681	YES		MRP2-6CL-WH	NO			
	NO IPL06	YES		MSCL-OP153MH-WH	YES			
	S-600P-WH	NO		PD-6WCL-WH-P	NO			
LUS	DM600-15L	NO		S-10PH	YES			
LUTRON	AY-600PH-WH	YES		S-600	YES			
	AYCL-153P-WH	YES		S-600-AL	NO			
	AYCL-153PH	YES		S-600-IV	YES			
	CT-103P-WH	YES		S-600H-WH	YES			
	CT-600PR-WH	YES		S-600P-WH	NO			
	CTCL-153P-WH	NO		S-600PR-WH	NO			

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PROJECT NAME: _____ CATALOG NUMBER: _____
NOTES: _____ FIXTURE SCHEDULE: _____

Page: 1 of 2

LED T8 - LINEAR REPLACEMENT LAMP

DOUBLE-ENDED POWER GLASS SERIES
UL TYPE-B



FEATURES:

- Wattages:
 - 14W, 4FT, 1700-1800 lumens, replaces 32W fluorescent T8
 - 17W, 4FT, 2100-2200 lumens, replaces 32W fluorescent T8
- Universal Voltage: 120V-277V applications
- Color Rendering Index (CRI): 82
- Beam angle: 330°, uniform light distribution
- THD <20%
- Power factor: ≥ 0.90
- Easy retrofit into most common linear fluorescent fixtures
- Simple ballast bypass, double-ended wiring schematic
- **Compatible with shunted and non-shunted lamp holders**
- Instant on
- Mercury free and virtually no UV or IR light
- Non dimmable
- Suitable for enclosed fixture
- Suitable for dry and damp locations
- NSF certified
- 5 year limited warranty
- Rated Lifetime @ L70: 50,000 Hours
- DLC qualified

APPLICATIONS:

- Offices
- Commercial Buildings
- Hospitals
- Hotels
- Schools
- Recreation Centers

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

L		T8	DE	4	
FAMILY	WATTAGE	LAMP TYPE	OPERATION	LENGTH	COLOR TEMPERATURE
L= LED Linear	14= 14W 17= 17W	T8= T8 tube	DE= Double-Ended Power	4= 4FT	35-G= 3500K, Glass Lens 40-G= 4000K, Glass Lens 50-G= 5000K, Glass Lens

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LED T8 - LINEAR REPLACEMENT LAMP
DOUBLE-ENDED POWER GLASS SERIES
UL-TYPE B

Page: 2 of 2

SPECIFICATIONS:

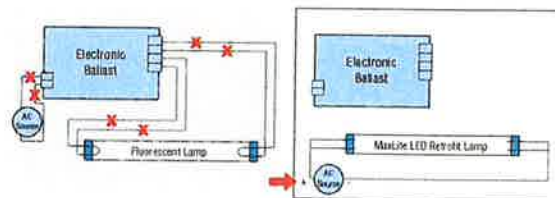
ITEM	SPECIFICATION	L14T8DE4xx-G	L17T8DE4xx-G
		4FT - DETAILS	4FT - DETAILS
GENERAL PERFORMANCE	Power Consumption (W)	14W	17W
	Lumens Delivered (lm)	1700-1800	2100-2200
	Efficacy	≥121 lm/w	≥123 lm/w
	CRI	82	
	Beam Angle	330°	
	Color Temperature (CCT)	3500K, 4000K, 5000K	
	Lumen Maintenance (L70)	50,000 Hours	
ELECTRICAL	Power Factor	≥ 0.90	
	Input Voltage	120V-277V, 50/60 Hz	
PHYSICAL	Operating Temperature	-4°F to 113°F	
	Dimension (MOL" x W")	47.72" x 1.02"	
	Lens	Glass	
CERTIFICATION	Certification	DLC 4.2, cULus Classified, NSF	
	Material Usage	RoHS compliant; no mercury	
	Environment	Dry & Damp, Enclosed Fixtures	
	Warranty	5 Years	

Lighting layouts and spacing criteria available upon request

ORDERING:

ORDER CODE	MODELS	WATTAGE	LUMENS (lm)	EFFICACY (lm/W)	COLOR TEMPERATURE (CCT)	CASE QTY
14099168	L14T8DE435-G	14W	1700	121	3500K	25 pcs
14099169	L14T8DE440-G		1800	126	4000K	
14099170	L14T8DE450-G		1800	126	5000K	
14099171	L17T8DE435-G	17W	2100	123	3500K	25 pcs
14099172	L17T8DE440-G		2200	129	4000K	
14099173	L17T8DE450-G		2200	129	5000K	

RELAMPING EXAMPLE:



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