maxLED

WELCOME

COMMERCIAL OUTDOOR LIGHTING
INCUMBENT VS. LED TECHNOLOGY

Presenter: Greg Murphy - MaxLite Product Manager
Special Guest: David Delgado - Technical Support Specialist

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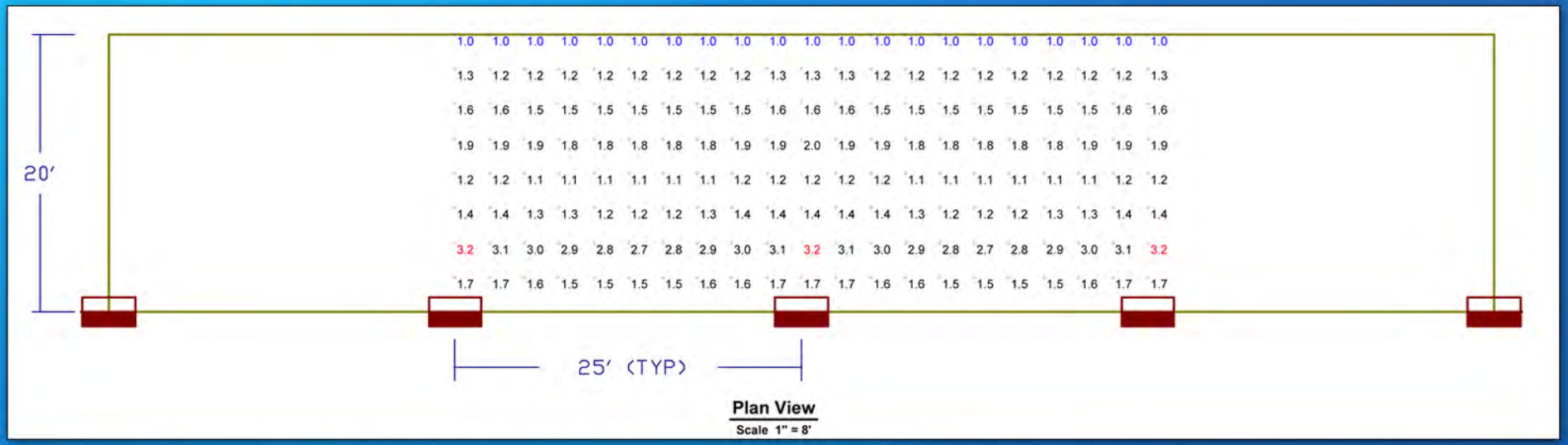
What we'll review:

- Photometrics
- ROI - Straight Energy
- ROI - Energy, Labor, and Materials

Photometrics Explained

Plan (Top) View



1.) A scale model of the application.

2.) Shows position of the fixture

3.) Illumination fc level at specific points

4.) Various height - example ground level for outside

Photometrics Explained

Luminaire Schedule

LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
	A	5	MLLWP40LED50DS MTD @ 20' AFG.	CAST BROWN PAINTED METAL HOUSING, FLAT SEMI-DIFFUSE METAL CIRCUIT BOARD MOUNTING PLATE, THREE CIRCUIT BOARDS EACH WITH 9 LEDS, CLEAR FLAT GLASS LENS, CAST BROWN PAINTED METAL LENS FRAME.	TWENTY-SEVEN WHITE LIGHT EMITTING DIODES (LEDS) EACH WITH CLEAR HEMISPHERICAL INTEGRAL LENS, VERTICAL BASE-UP POSITION.	MLLWP40LED50DS.IES	Absolute	0.95	39.8

1.) Defines the fixture(s) used on the layout along

Photometrics Explained

Luminaire Locations

LUMINAIRE LOCATIONS					
		Location			
No.	Label	X	Y	Z	MH
1	A	0.0	0.0	20.0	20.0
2	A	25.0	0.0	20.0	20.0
3	A	50.0	0.0	20.0	20.0
4	A	75.0	0.0	20.0	20.0
5	A	100.0	0.0	20.0	20.0

1.) X (Left to right) Y (bottom to top) Z (Mounting height)

Photometrics Explained

Statistics

STATISTICS						
Description	**Symbol**	**Avg**	**Max**	**Min**	**Max/Min**	**Avg/Min**
WALKWAY	+	1.6 fc	3.2 fc	1.0 fc	3.2:1	1.6:1

The photometric analysis or the area(s).

Showing Average Footcandle, Maximum Footcandle, Minimum footcandle,

Average / Minimum Ratio (Average FC divided by minimum FC), Maximum / Minimum Ratio (Maximum FC divided by Minimum FC)

Photometrics Explained

Power Density Statistics

POWER DENSITY STATISTICS

Name	# Luminaires	Total Watts	Area	Density
Power Density Zone # 1	5	199.00 W	2000.00 ft²	0.10 W/ft²

Watts Per Square Foot for the designated area

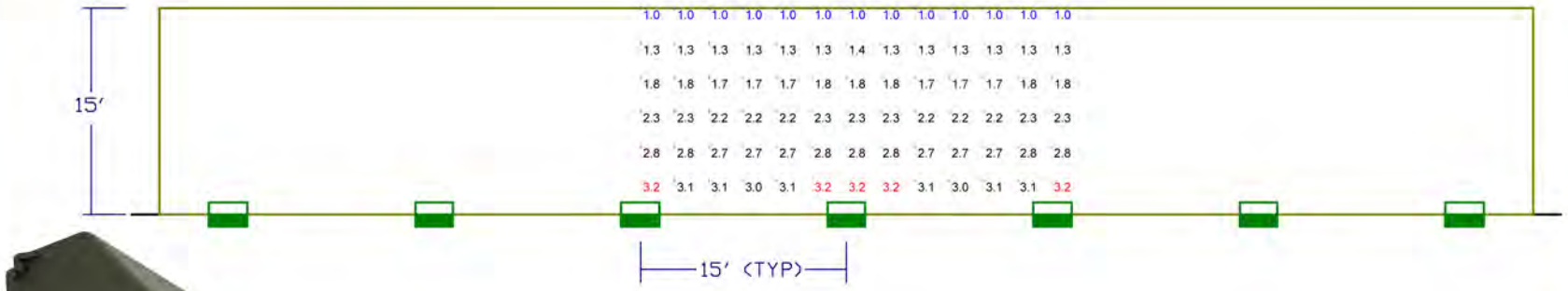
Metal Halide

Total Watts Used

Metal Halide	
Watts	Total Watts
50	58
100	115
150	173
175	200
250	285
400	455

LED Photometrics vs. Metal Halide

20W LED VS. 50W Metal Halide



Plan View
Scale 1" = 8'

LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
	C	7	MLSWP20LED50DS	CAST BROWN PAINTED METAL HOUSING, FLAT SEMI-DIFFUSE METAL CIRCUIT BOARD MOUNTING PLATE, ONE CIRCUIT BOARD WITH 9 LEDS, CLEAR FLAT GLASS LENS, CAST BROWN PAINTED METAL LENS FRAME.	NINE WHITE LIGHT EMITTING DIODES (LEDS) EACH WITH CLEAR HEMISPHERICAL INTEGRAL LENS, VERTICAL BASE-UP POSITION.	MLSWP20LED 50DS.IES	Absolute	0.95	21.9

LUMINAIRE LOCATIONS

No.	Label	Location X	Location Y	Location Z	MH
1	C	5.0	0.0	15.0	15.0
2	C	20.0	0.0	15.0	15.0
3	C	35.0	0.0	15.0	15.0
4	C	50.0	0.0	15.0	15.0
5	C	65.0	0.0	15.0	15.0
6	C	80.0	0.0	15.0	15.0
7	C	95.0	0.0	15.0	15.0

STATISTICS

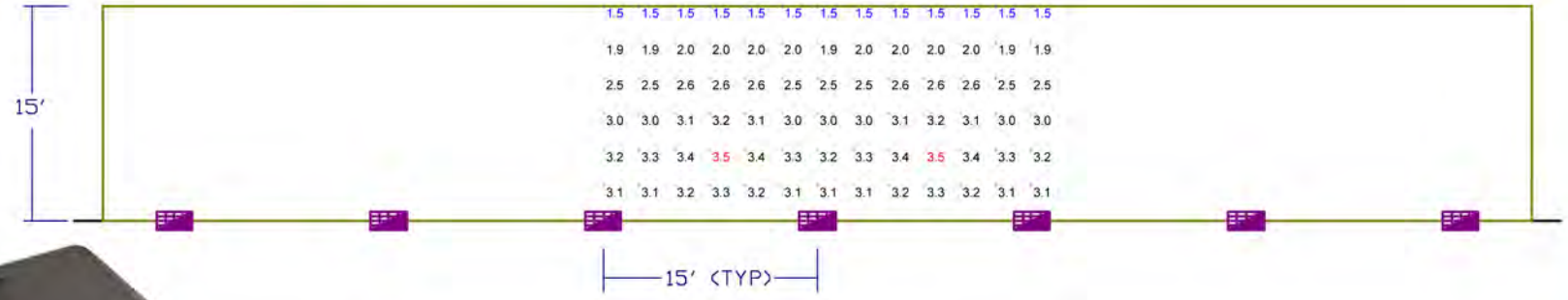
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
WALKWAY		2.0 fc	3.2 fc	1.0 fc	3.2:1	2.0:1

POWER DENSITY STATISTICS

Name	# Luminaires	Total Watts	Area	Density
WALKWAY	7	153.30 W	1500.00 ft²	0.10 W/ft²

LED Photometrics vs. Metal Halide

20W LED VS. 50W Metal Halide



Plan View
Scale 1" = 8'

LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
	H	7	WALLPAK 50W MH	WALLPAK 50-WATT METAL HALIDE, MEDIUM DISTRIBUTION,	ONE 50-WATT COATED ED17 CERAMIC METAL HALIDE, HORIZONTAL POS.	3325	0.72	85

LUMINAIRE LOCATIONS

No.	Label	Location X	Location Y	Location Z	MH
1	H	5.0	0.0	15.0	15.0
2	H	20.0	0.0	15.0	15.0
3	H	35.0	0.0	15.0	15.0
4	H	50.0	0.0	15.0	15.0
5	H	65.0	0.0	15.0	15.0
6	H	80.0	0.0	15.0	15.0
7	H	95.0	0.0	15.0	15.0

STATISTICS

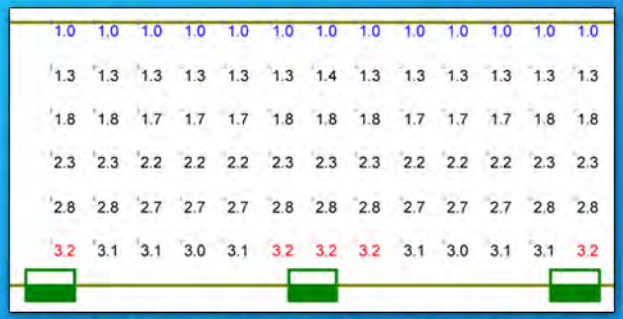
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
WALKWAY		2.6 fc	3.5 fc	1.5 fc	2.3:1	1.7:1

POWER DENSITY STATISTICS

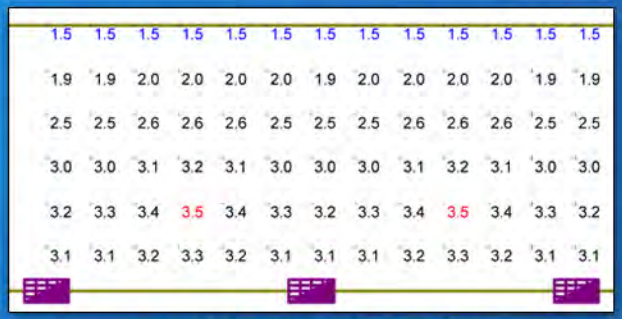
Name	# Luminaires	Total Watts	Area	Density
WALKWAY	7	595.00 W	1500.00 ft²	0.40 W/ft²

LED Photometrics vs. Metal Halide

20W LED VS. 50W Metal Halide



MLSWP20LED50DS (20W LED)



50W Metal Halide

20W LED vs. 50W MH Energy Savings Alone

Old Wattage	Cost per KWH	Hours per day	Cost Per Month
58	$ 0.12	12	$ 2.54

New Wattage	Cost per KWH	Hours per day	Cost Per Month
20	$ 0.12	12	$ 0.88

QTY RETROFITTED	Savings Per Month
20	$ 33.27

*MH lamp life=10K *labor rate=$20 *bulb cost=$30		Life Years	Bulb Changes	Material Cost	Labor Cost	Total Material & Labor
	20W LED	11.4	$ -	$ -	$ -	$ -
	50W MH	2.3	$ 5.00	$ 150.00	$ 100.00	$ 2,150.00

Summary Savings per Year

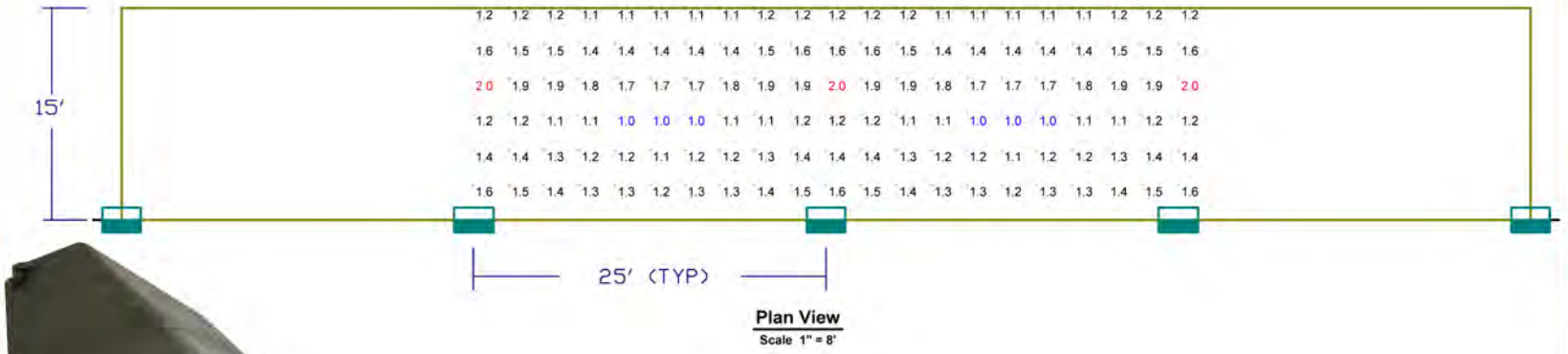
Total Energy Savings	$ 399.24
Total Material & Labor Savings	$ 188.60
	$ 587.83

Summary Savings over Lifetime

Total Energy Savings	$ 4,551.30
Total Material & Labor Savings	$ 2,150.00
	$ 6,701.30

LED Photometrics vs. Metal Halide

30W LED VS. 100W Metal Halide



LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
	D	5	MLLWP30LED50DS	CAST BROWN PAINTED METAL HOUSING, FLAT SEMI-DIFFUSE METAL CIRCUIT BOARD MOUNTING PLATE, TWO CIRCUIT BOARDS EACH WITH 9 LEDS, CLEAR FLAT GLASS LENS, CAST BROWN PAINTED METAL LENS FRAME.	EIGHTEEN WHITE LIGHT EMITTING DIODES (LEDS) EACH WITH CLEAR HEMISPHERICAL INTEGRAL LENS, VERTICAL BASE-UP POSITION.	MLSWP30LED50DS.IES	Absolute	0.95	34.8

LUMINAIRE LOCATIONS

No.	Label	Location X	Location Y	Location Z	MH
1	D	0.0	0.0	18.0	18.0
2	D	25.0	0.0	18.0	18.0
3	D	50.0	0.0	18.0	18.0
4	D	75.0	0.0	18.0	18.0
5	D	100.0	0.0	18.0	18.0

STATISTICS

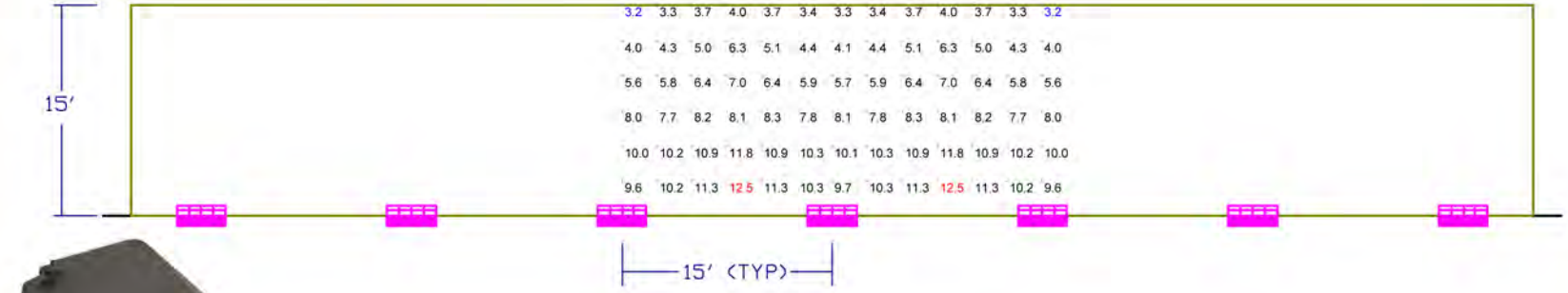
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
WALKWAY	+	1.4 fc	2.0 fc	1.0 fc	2.0:1	1.4:1

POWER DENSITY STATISTICS

Name	# Luminaires	Total Watts	Area	Density
WALKWAY	5	174.00 W	1500.00 ft²	0.12 W/ft²

LED Photometrics vs. Metal Halide

30W LED VS. 100W Metal Halide



Plan View
Scale 1" = 8'

LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
	J	7	WALLPAK 100W MH	WALLPAK 100-WATT METAL HALIDE, MEDIUM DISTRIBUTION,	ONE 100-WATT CLEAR ED-17 METAL HALIDE, HORIZONTAL POSITION.	8500	0.72	140

LUMINAIRE LOCATIONS

No.	Label	Location X	Location Y	Location Z	MH
1	J	5.0	0.0	15.0	15.0
2	J	20.0	0.0	15.0	15.0
3	J	35.0	0.0	15.0	15.0
4	J	50.0	0.0	15.0	15.0
5	J	65.0	0.0	15.0	15.0
6	J	80.0	0.0	15.0	15.0
7	J	95.0	0.0	15.0	15.0

STATISTICS

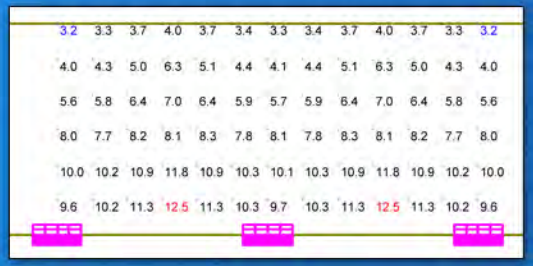
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
WALKWAY		7.3 fc	12.5 fc	3.2 fc	3.9:1	2.3:1

POWER DENSITY STATISTICS

Name	# Luminaires	Total Watts	Area	Density
WALKWAY	7	980.00 W	1500.00 ft²	0.65 W/ft²

LED Photometrics vs. Metal Halide

30W LED VS. 100W Metal Halide



MLLWP30LED50DS (30W LED) **100W Metal Halide**

30W LED vs. 100W MH Energy Savings

Old Wattage	Cost per KWH	Hours per day	Cost Per Month
115	$ 0.12	12	$ 5.03

New Wattage	Cost per KWH	Hours per day	Cost Per Month
30	$ 0.12	12	$ 1.31

QTY RETROFITTED	Savings Per Month
20	$ 74.42

			Life Years	Bulb Changes	Material Cost	Labor Cost	Total Material & Labor
*MH lamp life Hrs	15000						
*labor rate $	20	20W LED	11.4	$ -	$ -	$ -	$ -
*bulb cost $	30	50W MH	3.3	$ 3.45	$ 103.64	$ 69.09	$ 1,485.45

Summary Savings per Year

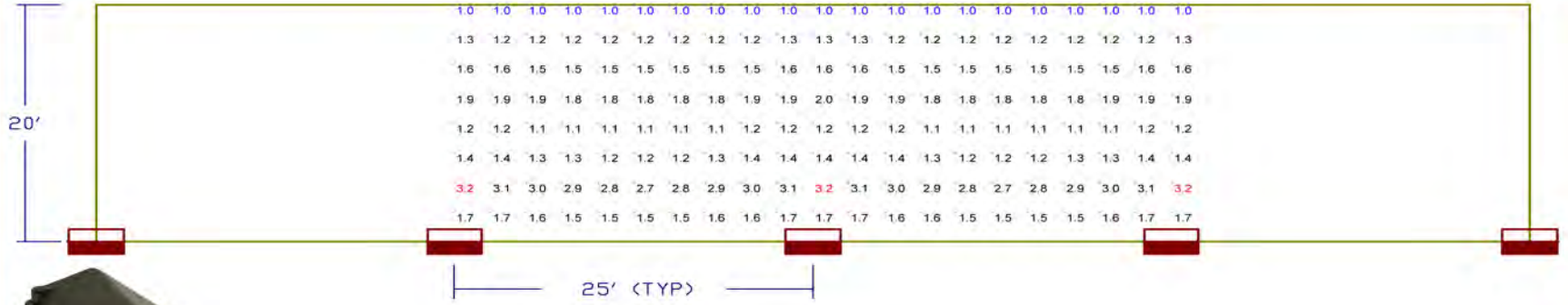
Total Energy Savings	$ 893.03
Total Material & Labor Savings	$ 130.30
	$ 1,023.33

Summary Savings over Lifetime

Total Energy Savings	$ 10,180.55
Total Material & Labor Savings	$ 1,485.45
	$ 11,666.00

LED Photometrics vs. Metal Halide

40W LED VS. 175W Metal Halide



Plan View
Scale 1" = 8'

LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
	A	5	MLLWP40LED50DS MTD @ 20' AFG.	CAST BROWN PAINTED METAL HOUSING, FLAT SEMI-DIFFUSE METAL CIRCUIT BOARD MOUNTING PLATE, THREE CIRCUIT BOARDS EACH WITH 9 LEDS, CLEAR FLAT GLASS LENS, CAST BROWN PAINTED METAL LENS FRAME.	TWENTY-SEVEN WHITE LIGHT EMITTING DIODES (LEDS) EACH WITH CLEAR HEMISPHERICAL INTEGRAL LENS, VERTICAL BASE-UP POSITION.	MLLWP40LED50DS.IES	Absolute	0.95	39.8

LUMINAIRE LOCATIONS

No.	Label	Location X	Location Y	Location Z	MH
1	A	0.0	0.0	20.0	20.0
2	A	25.0	0.0	20.0	20.0
3	A	50.0	0.0	20.0	20.0
4	A	75.0	0.0	20.0	20.0
5	A	100.0	0.0	20.0	20.0

STATISTICS

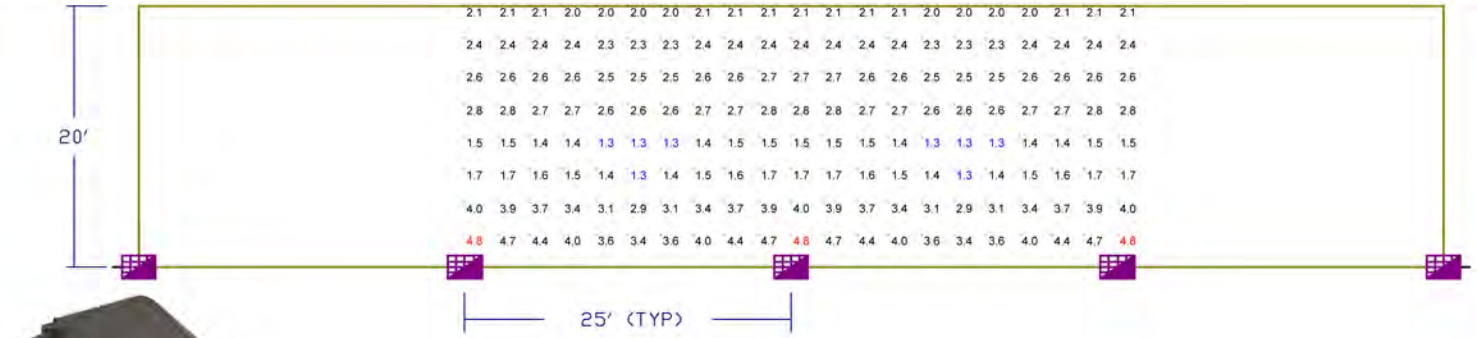
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
WALKWAY		1.6 fc	3.2 fc	1.0 fc	3.2:1	1.6:1

POWER DENSITY STATISTICS

Name	# Luminaires	Total Watts	Area	Density
Power Density Zone # 1	5	199.00 W	2000.00 ft²	0.10 W/ft²

LED Photometrics vs. Metal Halide

40W LED VS. 175W Metal Halide



Plan View
Scale 1" = 8'

LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
	E	5	WALLPAK 175W MH	WALLPAK 175W MH FULL CUTOFF	ONE CLEAR HORIZONTAL 175 WATT METAL HALIDE LAMP RATED AT 14,000 LUMENS.	14000	0.72	175

LUMINAIRE LOCATIONS

No.	Label	Location X	Location Y	Z	MH
1	E	0.0	0.0	20.0	20.0
2	E	25.0	0.0	20.0	20.0
3	E	50.0	0.0	20.0	20.0
4	E	75.0	0.0	20.0	20.0
5	E	100.0	0.0	20.0	20.0

STATISTICS

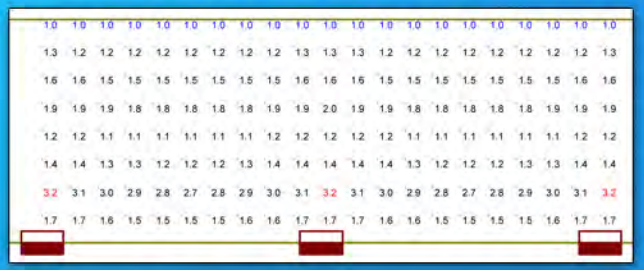
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
WALKWAY		2.6 fc	4.8 fc	1.3 fc	3.7:1	2.0:1

POWER DENSITY STATISTICS

Name	# Luminaires	Total Watts	Area	Density
Power Density Zone # 1	5	875.00 W	2000.00 ft²	0.44 W/ft²

LED Photometrics vs. Metal Halide

40W LED VS. 175W Metal Halide



MLLWP40LED50DS (40W LED)

175W Metal Halide

40W LED vs. 175W MH Energy Savings

Old Wattage	Cost per KWH	Hours per day	Cost Per Month
200	$ 0.12	12	$ 8.76

New Wattage	Cost per KWH	Hours per day	Cost Per Month
40	$ 0.12	12	$ 1.75

QTY RETROFITTED	Savings Per Month
20	$ 140.08

			Life Years	Bulb Changes	Material Cost	Labor Cost	Total Material & Labor
*MH lamp life Hrs	15000						
*labor rate $	20	20W LED	11.4	$ -	$ -	$ -	$ -
*bulb cost $	35	50W MH	3.3	$ 3.45	$ 120.91	$ 69.09	$ 1,502.73

Summary Savings per Year

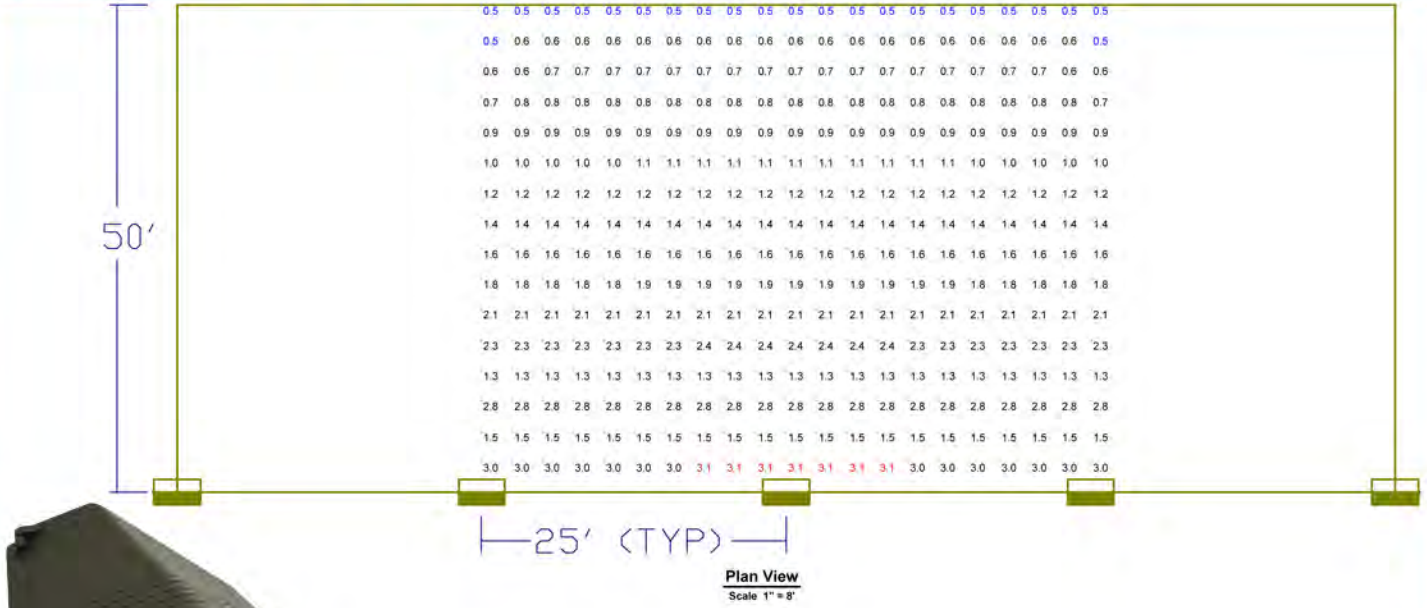
Total Energy Savings	$ 1,681.00
Total Material & Labor Savings	$ 131.82
	$ 1,812.82

Summary Savings over Lifetime

Total Energy Savings	$ 19,163.38
Total Material & Labor Savings	$ 1,502.73
	$ 20,666.11

LED Photometrics vs. Metal Halide

70W LED VS. 250W Metal Halide



LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
	B	5	MLLWP70LED50DS	CAST BROWN PAINTED METAL HOUSING, FLAT SEMI-DIFFUSE METAL CIRCUIT BOARD MOUNTING PLATE, FOUR CIRCUIT BOARDS EACH WITH 8 LEDS, CLEAR FLAT GLASS LENS, CAST BROWN PAINTED METAL LENS FRAME.	THIRTY-TWO WHITE LIGHT EMITTING DIODES (LEDS) EACH WITH CLEAR HEMISPHERICAL INTEGRAL LENS, VERTICAL BASE-UP POSITION.	Absolute	0.95	69.2

LUMINAIRE LOCATIONS

No.	Label	Location X	Location Y	Location Z	MH
1	B	0.0	0.0	30.0	30.0
2	B	25.0	0.0	30.0	30.0
3	B	50.0	0.0	30.0	30.0
4	B	75.0	0.0	30.0	30.0
5	B	100.0	0.0	30.0	30.0

STATISTICS

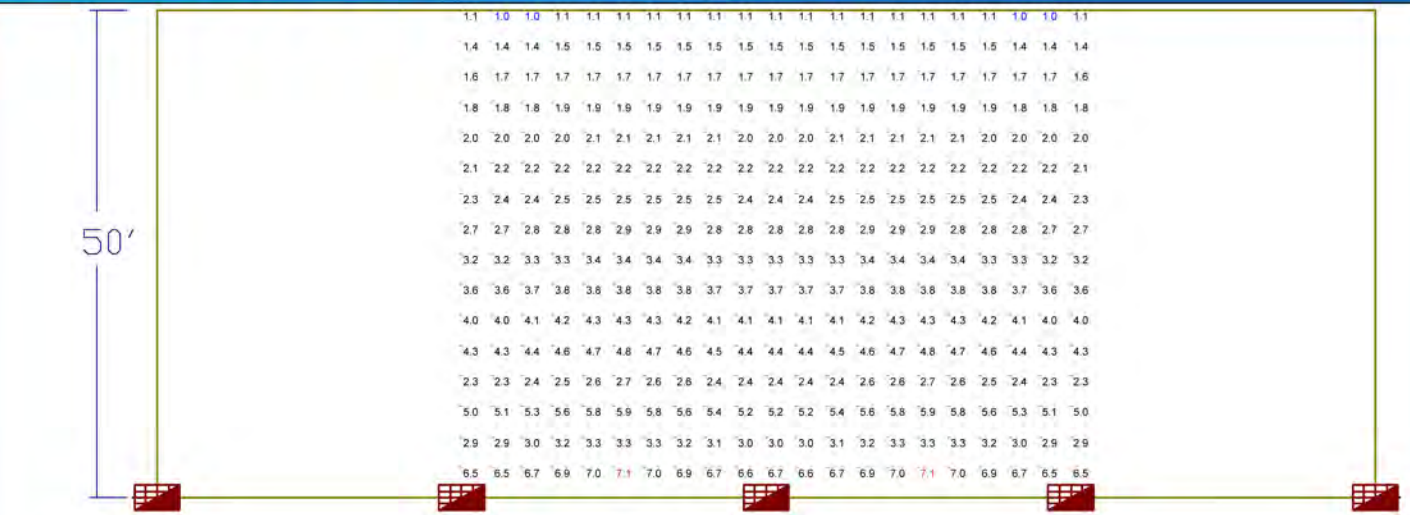
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
50' ACROSS		1.5 fc	3.1 fc	0.5 fc	6.2:1	3.0:1

POWER DENSITY STATISTICS

Name	# Luminaires	Total Watts	Area	Density
100X50 AREA	5	346.00 W	4000.00 ft²	0.09 W/ft²

LED Photometrics vs. Metal Halide

70W LED VS. 250W Metal Halide



Plan View
Scale 1" = 8'

LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts
	F	5	WALLPAK 250W MH	WALLPAK 250W MH FULL CUTOFF	ONE CLEAR HORIZONTAL 250 WATT METAL HALIDE LAMP RATED AT 22,000 LUMENS.	22000	0.72	250

LUMINAIRE LOCATIONS

No.	Label	Location X	Location Y	Location Z	MH
1	F	0.0	0.0	30.0	30.0
2	F	25.0	0.0	30.0	30.0
3	F	50.0	0.0	30.0	30.0
4	F	75.0	0.0	30.0	30.0
5	F	100.0	0.0	30.0	30.0

STATISTICS

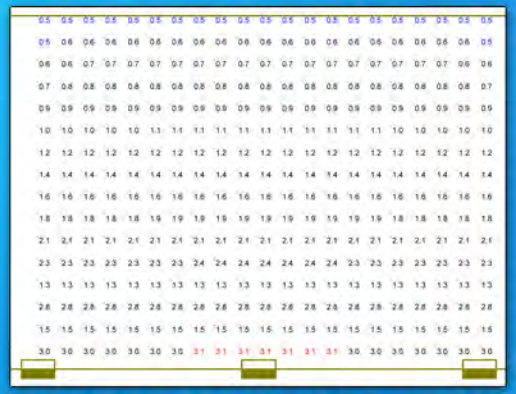
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
50' ACROSS		3.1 fc	7.1 fc	1.0 fc	7.1:1	3.1:1

POWER DENSITY STATISTICS

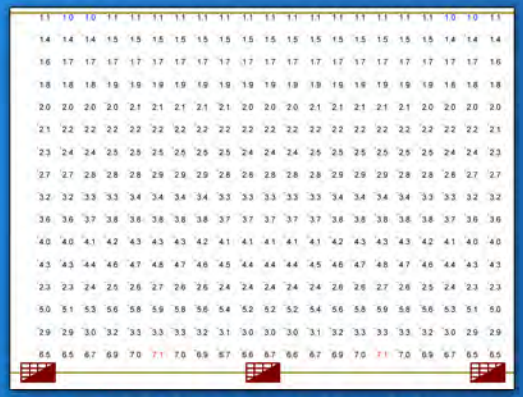
Name	# Luminaires	Total Watts	Area	Density
100X50 AREA	5	1250.00 W	4000.00 ft²	0.31 W/ft²

LED Photometrics vs. Metal Halide

70W LED VS. 250W Metal Halide



MLLWP70LED50DS (70W LED)



250W Metal Halide

70W LED vs. 250W MH Energy Savings

Old Wattage	Cost per KWH	Hours per day	Cost Per Month
285	$ 0.12	12	$ 12.48

New Wattage	Cost per KWH	Hours per day	Cost Per Month
70	$ 0.12	12	$ 3.06

QTY RETROFITTED	Savings Per Month
20	$ 188.24

			Life Years	Bulb Changes	Material Cost	Labor Cost	Total Material & Labor
*MH lamp life Hrs	15000						
*labor rate $	20	20W LED	11.4	$ -	$ -	$ -	$ -
*bulb cost $	40	50W MH	3.3	$ 3.45	$ 138.18	$ 69.09	$ 1,520.00

Summary Savings per Year

Total Energy Savings	$ 2,258.84
Total Material & Labor Savings	$ 133.33
	$ 2,392.17

Summary Savings over Lifetime

Total Energy Savings	$ 25,750.79
Total Material & Labor Savings	$ 1,520.00
	$ 27,270.79

20W LED WALL PACK: FULL CUTOFF

MLSWP20LED50DS

maxLED

LED WALLMAX - SMALL 20W WALL PACK: FULL CUTOFF

PROJECT NAME
CATALOG NUMBER
NOTES
FIXTURE TYPE

DLC Qualified Wall Pack meets full cut off criteria established by the IESNA.

LED Module: An efficient, energy saving replacement for metal halide and high-pressure sodium fixtures. Contains an integral listed Driver.

Fixture can mount to electrical box or direct to surface.

FEATURES:

- Replaces up to 100 Watt Metal Halide
- DLC qualified
- Lumens delivered 1400
- 20 Watts
- 5000K
- 50,000 hour life at L70 standards
- Self-contained driver
- Universal 120V through 277V
- Maintenance free; no UV
- Dusk To Dawn / Occupancy sensor compatible
- Can mount on electrical box or direct to surface
- LM-79/80 data available
- 5 Year Limited Warranty
- 30W, 40W, and 60W models available
- Does not attract insects

CONSTRUCTION:

Fixture: Heavy-duty cast aluminum one-piece housing; polyester coated; rust and corrosion proof. Fixture is sealed to be dirt and bug proof.

Lens: High quality anti-shock Boran glass.

LED Module: Copper plating to provide high thermal transfer rate minimizing junction temperature of LED.

Finish: Dark Bronze or Textured White

DESIGNLIGHTS CONSORTIUM

Luminaire Ordering Information:

WATTS	ORDER CODE	MODEL NUMBER	LUMENS	L70 LIFE (Hrs)	DIMENSIONS (L"xW"xH")	K
20	70881	MLSWP20LED50DS	1400	50,000	12.6 x 11.26 x 9.0	5000
20	71152	MLSWP20LED50DSW	1400	50,000	12.6 x 11.26 x 9.0	5000

Lighting layouts and spacing criteria available upon request

***Caution: This fixture is DLC compliant and designed for downward illumination only.**

MaxLite™: 1-800-555-5629 | **Fax:** 973-244-7333 | **Web:** www.maxlite.com | **E-mail:** info@maxlite.com

MAXLITE

30W LED WALL PACK: FULL CUTOFF

MLSWP30LED50DS

maxLED

LED WALLMAX - SMALL 30W WALL PACK: FULL CUTOFF

PROJECT NAME
CATALOG NUMBER
NOTES
FIXTURE TYPE

DLC Qualified Wall Pack meets full cut off criteria established by the IESNA.

LED Module: An efficient, energy saving replacement for metal halide and high-pressure sodium fixtures. Contains an integral listed Driver.

Fixture can mount to electrical box or direct to surface.

FEATURES:

- Replaces up to 150 Watt Metal Halide
- DLC qualified
- Lumens delivered 2400
- 34 Watts total consumed
- CCT 5000K
- 50,000 hour life at L70 standards
- Self-contained potted driver
- Universal 120V through 277V
- Maintenance free; no UV; no lead; no mercury
- Dusk To Dawn / Occupancy sensor compatible
- Can mount on electrical box or direct to surface
- LM-79/80 data available
- 5 Year Limited Warranty
- 20W, 40W, and 60W models available
- Does not attract insects

CONSTRUCTION:

Fixture: Heavy-duty cast aluminum one-piece housing; polyester coated; rust and corrosion proof. Fixture is sealed to be dirt and bug proof.

Lens: High quality anti-shock Boran glass.

LED Module: Copper plating to provide high thermal transfer rate minimizing junction temperature of LED.

Finish: Dark Bronze or Textured White

DESIGNLIGHTS CONSORTIUM

Luminaire Ordering Information:

WATTS	ORDER CODE	MODEL NUMBER	LUMENS	L70 LIFE (Hrs)	DIMENSIONS (L"xW"xH")	K
30	70880	MLSWP30LED50DS	2400	50,000	12.6 x 11.26 x 9.0	5000
30	71130	MLSWP30LED50DSW	2400	50,000	12.6 x 11.26 x 9.0	5000

Lighting layouts and spacing criteria available upon request

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MAXLITE

40W LED WALL PACK: FULL CUTOFF

MLLWP40LED50DS

maxLED

LED WALLMAX - LARGE 40W WALL PACK: FULL CUTOFF

DLC Qualified Wall Pack meets full cut off criteria established by the IESNA.

LED Module: An efficient, energy saving replacement for metal halide and high-pressure sodium fixtures. Contains an integral listed Driver.

Fixture can mount to electrical box or direct to surface.

PROJECT NAME
CATALOG NUMBER
NOTES
FIXTURE TYPE

FEATURES:

- Replaces up to 175 Watt Metal Halide
- DLC qualified
- Lumens delivered 3050
- 40 Watts
- 5000K
- 50,000 hour life at L70 standards
- Self-contained driver
- Universal 120V through 277V
- Maintenance free; no UV
- Dusk To Dawn / Occupancy sensor compatible
- Can mount on electrical box or direct to surface
- LM-79/80 data available
- 5 Year Limited Warranty
- 20W, 30W, and 60W models available
- Does not attract insects

CONSTRUCTION:

Fixture: Heavy-duty cast aluminum one-piece housing; epoxy coated; rust and corrosion proof. Fixture is sealed to be dirt and bug proof.

Lens: High quality anti-shock Boran glass.

LED Module: Copper plating to provide high thermal transfer rate minimizing junction temperature of LED.

Finish: Dark Bronze or Textured White

DESIGNLIGHTS CONSORTIUM

Luminaire Ordering Information:

WATTS	ORDER CODE	MODEL NUMBER	LUMENS	LAMP LIFE (Hrs)	DIMENSIONS (L"xW"xH")	K
40	70877	MLLWP40LED50DS	3050	50,000	16.7 x 13.7 x 9.0	5000
40	71131	MLLWP40LED50DSW	3050	50,000	16.7 x 13.7 x 9.0	5000

Lighting layouts and spacing criteria available upon request

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MAXLITE

70W LED WALL PACK: FULL CUTOFF

MLLWP70LED50DS

maxLED

LED WALLMAX - LARGE 70W WALL PACK: FULL CUTOFF

PROJECT NAME
CATALOG NUMBER
NOTES
FIXTURE TYPE

DLC Qualified Wall Pack meets full cut off criteria established by the IESNA.

LED Module: An efficient, energy saving replacement for metal halide and high-pressure sodium fixtures. Contains an integral listed Driver.

Fixture can mount to electrical box or direct to surface.

FEATURES:

- Replaces up to 250 Watt Metal Halide
- DLC qualified
- Lumens delivered 4400
- 69 Watts total consumed
- CCT 5000K
- 50,000 hour life at L70 standards
- Self-contained driver
- Universal 120V through 277V
- Maintenance free; no UV
- Dusk To Dawn / Occupancy sensor compatible
- Can mount on electrical box or direct to surface
- LM-79/80 data available
- 5 Year Limited Warranty
- 20W, 30W, and 40W models available
- Does not attract insects

CONSTRUCTION:

Fixture: Heavy-duty cast aluminum one-piece housing; polyester coated; rust and corrosion proof. Fixture is sealed to be dirt and bug proof.

Lens: High quality anti-shock Boran glass.

LED Module: Copper plating to provide high thermal transfer rate minimizing junction temperature of LED.

Finish: Dark Bronze or Textured White

DESIGNLIGHTS CONSORTIUM ETL FC

Luminaire Ordering Information:

WATTS	ORDER CODE	MODEL NUMBER	LUMENS	L70 LIFE (Hrs)	DIMENSIONS (L"xW"xH")	K
70	70908	MLLWP70LED50DS	4400	50,000	16.9 x 13.6 x 9.0	5000
70	71132	MLLWP70LED50DSW	4400	50,000	16.9 x 13.6 x 9.0	5000

Lighting layouts and spacing criteria available upon request

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MaxLite Webinars

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

- MaxLite.com - click on the red "WEBINAR SCHEDULE & SIGNUP" button to see what's on the schedule. Click the "MAXLITE WEBINAR LIBRARY" icon to see previous webinars.

- Check/Subscribe to our YouTube channel

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MAXLITE™

QUESTIONS & ANSWERS:

Thank you everyone for your attention.

This webinar session will be left open for the next 10 minutes to allow time for questions. We will answer as many questions as we have time for right now, but ALL questions will be answered via e-mail within the next 24 hours.

Thanks again for attending, and we hope to speak to you again, soon!

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

info@maxlite.com
www.maxlite.com
1-800-555-5629

Or contact your MaxLite Representative or MaxLite's Regional Sales Manager.