WELCOME

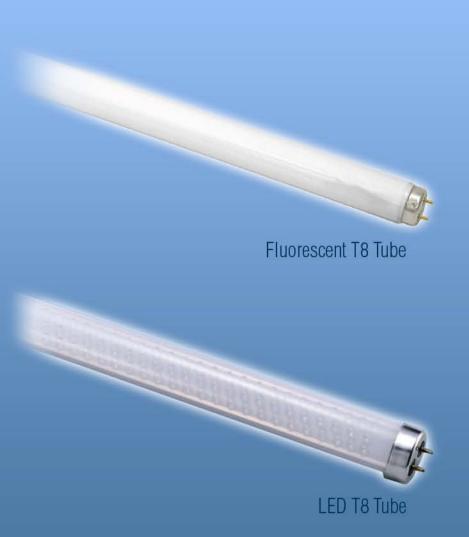
SHORTER ROI ON YOUR LED PROJECTS!

"IT CAN MAKE THE DIFFERENCE BETWEEN GETTING THE **JOB, OR NOT!"**

Presentor: Greg Murphy - MaxLite Product & Marketing Manager



WHAT ARE WE DOING NOW!



Taking out fluorescent T8s and putting in linear LED T8s

IT'S EASY TO GET INTEREST BECAUSE OF:

LED MANIA

Everyone is buzzing about LEDs

MERCURY HYSTERIA

Unfounded but real.

So the sales opportunity is there... BUT the ROI is so long we are missing out on the sale.





THE ROI ON SWAP-OUT IS DISAPPOINTING:

- Large Corporations
- Municipalities
- School Boards
- Utility Projects



Anyone investing in major capital expenditures requires a ROI within a short period.





THE MYTH OF LEDs NOT BEING READY SHOULD BE DISPELLED

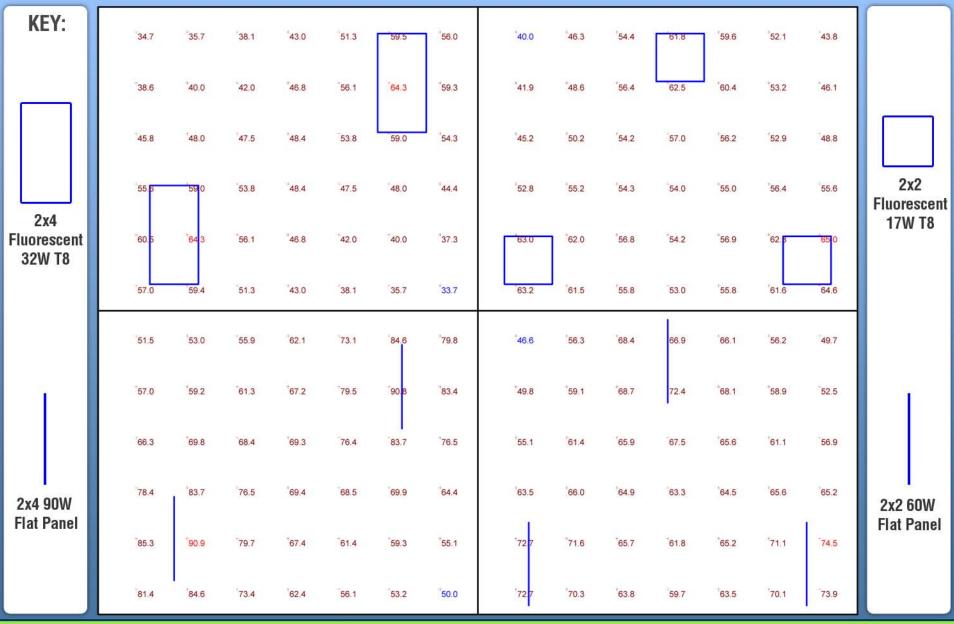
LUMINAIRE SCHEDULE									
Symbol	Label	Qty	Catalog Number	Description	Lamp	Lumens	LLF	Watts	
	Α	3	MLFP2x2	MaxLite LED Flat Panel, 2ft x 2ft, 120 to 277V, 60 Watts, 3150 lm,3000 or 5000K	MaxLite LED Architect 2x2 Flat Panel	3150	1.00	60	
	В	3	2AV G 3 17 SBL 1/3	2x2; 3 lamp T8 17 watt	Three 17-Watt T8 Linear Fluorescent	1325	1.00	47	
	С	2	MLFP2x4	MaxLite LED Flat Panel, 2ft x 4ft, 120 to 277V, 90 Watts, 5000 lm,3000 or 5000K	MaxLite LED Architect 2x4 Flat Panel	5000	1.00	90	
	D	2	2AV G 3 32 MDR ASR	2x4; 3 lamp T8 32 watt. Aluminum Stepped Reflector	Three 32-Watt T8 Linear Fluorescent	2850	1.00	88	

STATISTICS									
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min			
Fluorescent 2x2	+	55.0 fc	65.0 fc	40.0 fc	1.6:1	1.4:1			
Fluorescent 2x4	+	48.7 fc	64.3 fc	33.7 fc	1.9:1	1.4:1			
LED 2x2	+	63.9 fc	74.5 fc	46.6 fc	1.6:1	1.4:1			
LED 2x4	+	70.0 fc	90.9 fc	50.0 fc	1.8:1	1.4:1			

All rooms are 15 ft (length) by 12 ft (width) by 9 ft (height) and have reflectances of 80% on all surfaces.



LED TO FLUORESCENT COMPARISON







THE SOLUTION IS: CONTROLS WITH CONTROLLABLE LED's

- Building Automation
- Dimming
- Daylight Harvesting
- Shade Controls
- Occupancy Sensors







THE SECRET IS; NOT ALL LED PRODUCTS ARE COMPATIBLE WITH CONTROLS!

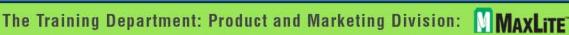
Building Automation

Requires Master/Slave arrangement and compatibility with automation protocols.

Dimming

In some simple dimming processes, efficacy is lost as the voltage is cut.

100W = **1000** Lumens / **50W** should = **500** Lumens





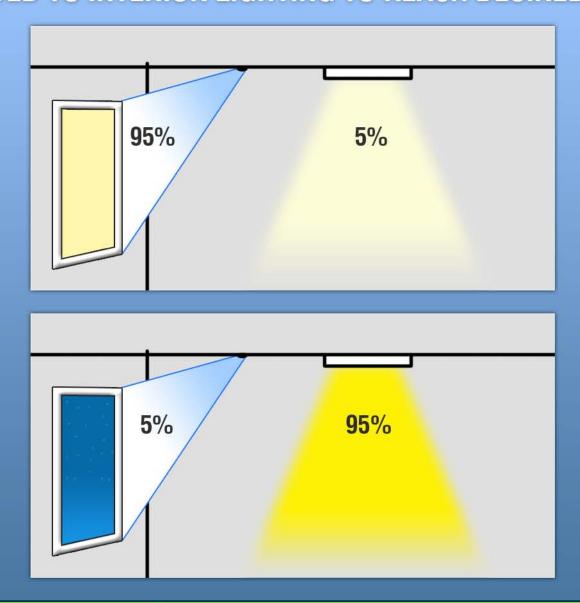
DAYLIGHT HARVESTING:



Using daylight to supplement light levels. So the required light level is maintained, but the amount of LED light (power) is reduced.



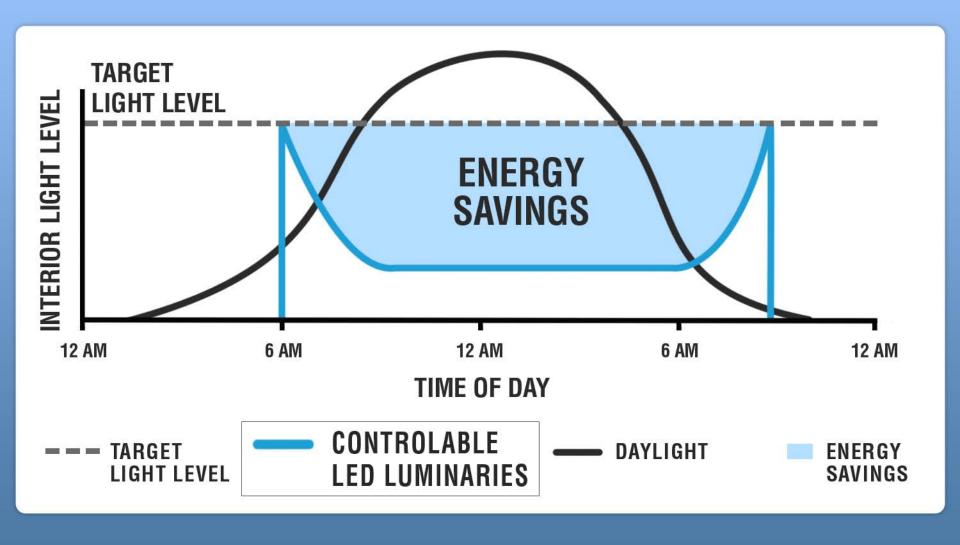
DAYLIGHT HARVESTING: DAYLIGHT ADDED TO INTERIOR LIGHTING TO REACH DESIRED LIGHT LEVEL





ENERGY SAVING:

DAYLIGHT ADDED TO INTERIOR LED LIGHTING TO REACH DESIRED LIGHT LEVELS





SHADE CONTROL:



LED Lighting coupled with daylight harvesting to control light levels. Can be tied into HVAC shade controls.

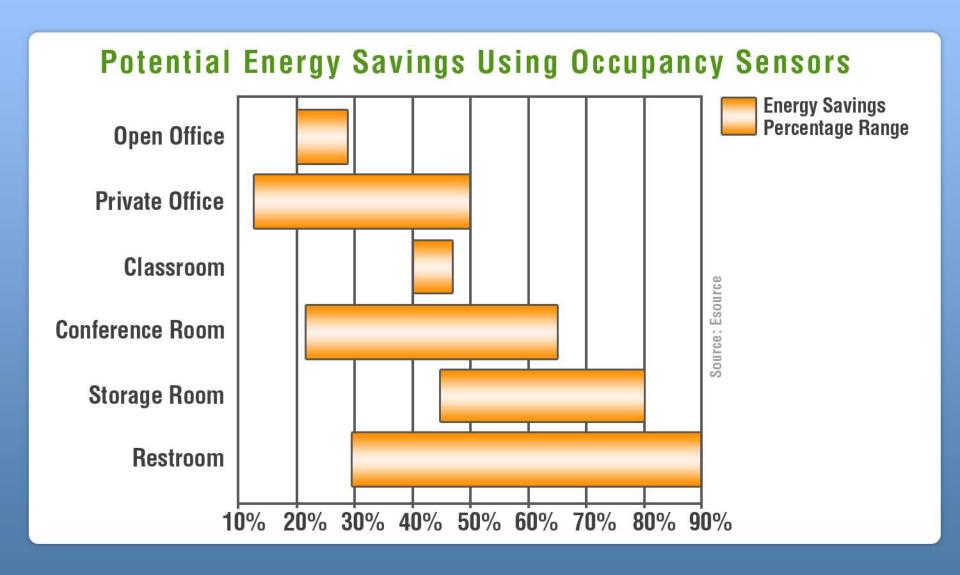
OCCUPANCY SENSORS:



LED lighting should be switching on in front of you and turning off behind you. One of the most effective features of controllable lighting.







LOOK FOR THESE FEATURES:

- 1.) Dimmibility compatible with common protocols (Not built in.)
- 2.) CALIPER tested.



- 3.) Compatible with a full range of control devices
- 4.) Fixture to fixture communication.
- 5.) Master / Slave capability.
- 6.) IES and Photometric files available.





COMMERCIAL FIXTURES AND LAMPS **SPECIFICATIONS**

2x2 & 2x4 Architect LED Flat Panels







For more information on MaxLite products, visit: www.MaxLite.com. Click on "PRODUCT LINE"

FOR ORDERING:

Tel: 1-800-555-5629 Fax: 973-244-7333 E-mail: info@maxlite.com

MaxLite 80 Little Falls Road Fairfield, NJ 07004

PRODUCT FEATURES:

- · Remote Control / Fully dimmable
- 50,000 Hour Life Based on 30% lumen depreciation
- · Self Driven No additional drivers required
- . Unique mounting gives flush fit in drop ceilings
- · Slim profile enables installation in low depth cavities
- Mercury Free



SPECIAL FOCUS AWARDS





Special Focus for Light Distribution

Architect LED Flat Panel MANUFACTURER: MAXLITE

A high performance dimmable LED flat panel for installation in grid ceilings; typically used to replace 2x2 and 2x4 fluorescent fixtures. The profile is only 3 inches deep including the junction box, so the fixture is perfect for low depth ceiling cavities. The housing and back panel are aluminum providing maximum heat sink and thermal control capabilities. White trim is electroplated and the lens is translucent white polycarbonate. Both panels use AC 120-277V input power; are fully dimmable (7 level remote dimmer), and wired for smart building controls

Wattage: 92 wans Light Output: 5592 lumens Luminaire Efficacy: 61 lm/W CCT: 5156 CRI: 70

LUMINAIRE MEASUREMENTS CONTACT INFORMATION

MaxLite

80 Little Falls Road Fairfield, NI 07004 973,254,7300 1-800-555-8629 infestimustite com

www.maxlite.com



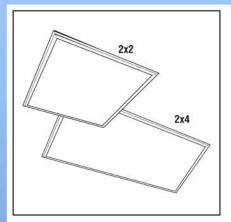




american lighting association







MAXLITE 2x2 & 2x4 **Architect LED Flat Panels**

Construction: : A high performance LED flat panel designed for installation in drop ceilings; typically used to replace standard 2x2 and 2x4 fluorescent fixtures. The profile is slim, only 3 inches deep including the junction box, so the fixture is ideal for low depth ceiling cavities.

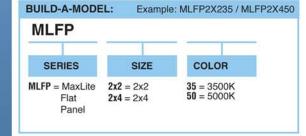
The housing and the back panel are aluminum to provide maximum heat sink and thermo control capabilities. The trim also acts as a heat sink, and in keeping with the high quality of the rest of the materials the lens is a translucent white polycarbon-

PRODUCT FEATURES:

- · Remote Control / Fully dimmable
- 50,000 Hour Life Based on 30% lumen depreciation
- Self Driven No additional drivers required
- · Unique mounting gives flush fit in drop ceilings
- · Slim profile enables installation in low depth cavities
- Control whole room with one Master
- · Control whole building with one control
- Mercury Free
- B Complete the Build-A-Model worksheet, then transfer the complete model number here:

WRITE YOUR COMPLETED MODEL NUMBER HERE:

A Work from left to right to build your model number. Choose the options you want and write the corresponding code on the blank line



Because of the quality and solidity of the materials, the fixtures have weight; the 2x4 is 34 lbs and the 2x2 is 14 lbs. (Earth quake safety tabs included).

Both panels are fully dimmable with a smooth 12 level remote dimmer, and both are wired for smart controls (See Controls on following sheet.)

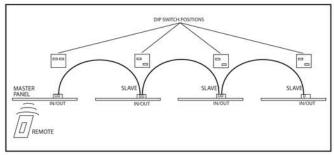


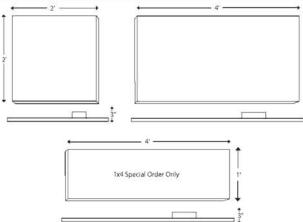
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MAXLITE 2x2 & 2x4 Architect **LED Flat Panel Controls**

MASTER/SLAVE: Each panel (both 2x2 and 2x4) has a Master/Slave switch on the back. During mounting, one fixture in the room should be switched to Master, and the others in the room should be switched to Slave. With supplied regular RJ25 cord (telephone cords with telephone jacks) each fixture is joined to the next (see diagram left)

ROOM CONTROL: When all the units are joined, one remote control aimed at the Master Unit will control all the other units in the room, up to a maximum of 10 units. With one click, all the units can be turned on, dimmed and turned off. The Master Unit controls the whole room, up to 10 fixtures.

BUILDING CONTROL: Multiple panels can also be controlled from a single source. The panels can be linked to a DMX512 controller.

For information and specifications on either linking more than 10 panels, or on Green Building DMX controls please contact MaxLite.

SPECIFICATIONS:

Watts:

2x4 Typical 93W / Max 105 W 2x2 Typical 54W / Max 61W

Illumination: (at one meter)

2x2 Typical 1200 LUX / Max 1500 LUX 2x4 Typical 1500 LUX / Max 1700 LUX

SPECIFICATIONS:

• CRI 70

. Operating Temp: 14°F to 104°F

 Input Power: AC 120-277V, 50-60 Hz . Power Factor: (At Max Load) 90% HPF.

· Controls -IR Remote: 0 to 10 dimming, on/off

> Master/Slave: RJ25 Control DMX: DMX512 Control

LED FLAT PANEL SPECIFICATIONS

* Photometrics & IES files available at www.maxlite.com

TED I LAI I AILLESI ECII ICAIIONS						Protonetrics & IES lifes available at www.maxine.com				
Order Code	Model Number	Description	Wattage	CRI	Weight (lbs)	LEDs	Lumens	Life (Hrs)	К	
70476	MLFP2X235	LED Flat Panel 2' x 2'	60	70	14	234	3500	50,000	3500	
70477	MLFP2X250	LED Flat Panel 2' x 2'	60	70	14	234	3500	50,000	5000	
70478	MLFP2X435	LED Flat Panel 2' x 4'	90	70	35	468	5000	50,000	3500	
70479	MLFP2X450	LED Flat Panel 2' x 4'	90	70	35	468	5000	50,000	5000	
SPECIAL	ORDER ONLY	LED Flat Panel 1' x 4'	60	70	14	234	3500	50,000	3500	
SPECIAL	ORDER ONLY	LED Flat Panel 1' x 4'	60	70	14	234	3500	50,000	5000	

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

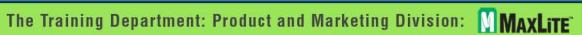






MAXLITE ARCHITECT LED FLAT PANEL:

- Winner of Lighting For Tomorrow (Not dots of light but even distribution.)
- CALiPER Tested.
- Capable of Dimming. Motion Sensing, and Daylight Harvesting using standard protocols.
- IES and Photometrics available.
- Custom lighting layouts available.
- 5 Year Warranty.





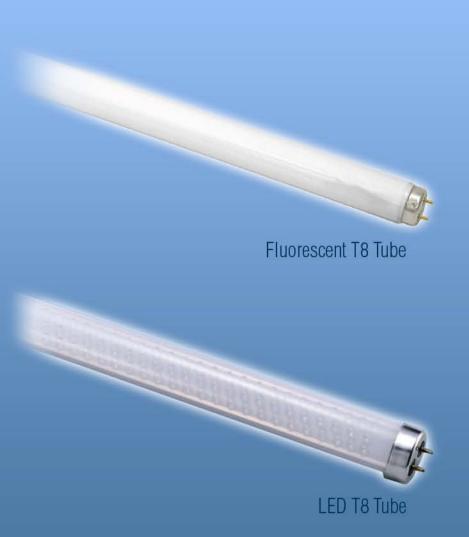
HOW DOES THIS AFFECT ROI? ENERGY COST PER MONTH:

ENLINGT GOOT FER MONTH.					
BASELINE:	Wattage	Cost Per kWh	Hours Per Day	Days Per Week	Cost Per Month
3 Lamp T8 2x4	85	\$ 0.15	24	7	\$9.28
OPTIONS:	Wattage	Cost Per kWh	Hours Per Day	Days Per Week	Cost Per Month
No Controls / 3 Lamp LED T8 2x4 Occupancy Sensor / Compatible LED	69 72	\$ 0.15 \$ 0.15	24 6	7 7	\$7.53 \$1.97
Daylight Harvesting & Occupancy Sensor / Compatible LED	28	\$ 0.15	6	7	\$0.76
SAVINGS PER MONTH:	QTY RETR	OFITTED			Savings Per Month
No Controls / 3 Lamp LED T8 2x4	385	ō			\$672.67
Occupancy Sensor / Compatible LED	385	j			\$2,816.81
Daylight Harvesting & Occupancy Sensor / Compatible LED	385	Ď			\$3,279.28
	Cost Per	Fixture	Total Cost Pe	er Project	ROI In Months
No Controls / 3 Lamp LED T8 2x4	\$180	.00	\$69,30	00.00	103
Occupancy Sensor / Compatible LED	\$522.00		\$200,970.00		71
Daylight Harvesting & Occupancy Sensor / Compatible LED	\$531	.00	\$204,43	35.00	62





WHAT ARE WE DOING NOW!



Taking out fluorescent T8s and putting in linear LED T8s

LED FLAT PANELS COMPARED TO OTHER FLAT PANELS & T8's

	UL	MEETS CODE NATIONALLY	SUPPLIED REMOTE DIMMING	LIGHTING FOR Tomorrow Winner	FULLY COMPATIBLE
MAXLITE ARCHITECT LED FLAT PANELS	1	*	1	1	✓
NORTH CAROLINA LED FLAT PANEL	(X	X	
LED T8'S		X	X	X	X

KEY: **V**



= Yes X = No





QUESTIONS & ANSWERS:

Thank you everyone for your attention.

This webinar session will be left open for the next 20 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, visit us at: http://www.MaxLite.com



