

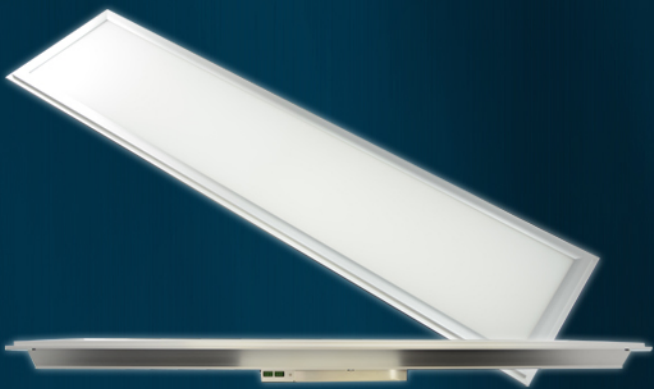
# WELCOME

## THE LATEST INFORMATION ON LED FLAT PANELS REPLACING FLUORESCENT TECHNOLOGY

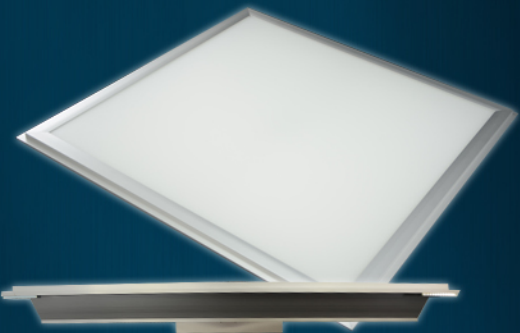
**(New features, higher efficacy, and lower costs.)**



# LED Flat Panels - Reintroduction



**1X4 Direct Lit LED Flat Panel**



**2X2 Direct Lit LED Flat Panel**



**2X4 Direct Lit LED Flat Panel**



**"BELLEVUE NEO-NATAL UNIT CHOOSES MAXLITE LED FLATMAX PANELS FOR ITS FAMILY SUITE"**



# How To Install MaxLite LED Flat Panels

FLATMAX LED FLAT PANEL: GEN II & DIRECT LIT  
**USER MANUAL**




**INSTALLATION GUIDE FOR:**

1X4:	2X2:	2X4:	Pendant:
MJFP1X4B35	MJFP2X2B35	MJFP2X4B35	MJFPD35
MJFP1X4B50	MJFP2X2B50	MJFP2X4B50	MJFPD50
MJFP1X4D35	MJFP2X2D35	MJFP2X4D	MJFPZ35
MJFP1X4D50	MJFP2X2D50	MJFP2X4D50	MJFPZ50
MJFP1X4B35S	MJFP2X2B35S	MJFP2X4B35S	
MJFP1X4B50S	MJFP2X2B50S	MJFP2X4B50S	
MJFP1X4D35S	MJFP2X2D35S	MJFP2X4D35S	
MJFP1X4D50S	MJFP2X2D50S	MJFP2X4D50S	

Thank you for purchasing this MaxLite product. For additional information or assistance please e-mail [info@maxlite.com](mailto:info@maxlite.com) or log on to [www.maxlite.com](http://www.maxlite.com) and click on the Information and Quotes bar.



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Up to 10 Panels

DESCRIPTION & CAPABILITIES

## DESCRIPTION

**Models:** Available in 1'x4', 2'x2', 2'x4' and (special order custom sizes).

**Construction:** A high performance LED flat panel designed for installation in drop ceilings, typically used to replace standard 2'x2' and 2'x4' fluorescent fixtures. The profile is slim, only 1.6 inches deep including the junction box, making it ideal for low depth ceiling cavities. The housing, the back panel and the trim are solid aluminum to provide maximum heat sink and thermal control. The lens is a translucent white polycarbonate.

## CAPABILITIES


**On/Off:** Panels can operate independently, or can be daisy chained together to work with standard on/off wall switches.

**Dimming:** Panels are fully dimmable with a standard 0-10V wall dimmer, the hand-held remote dimmer supplied, Building Controls, or DMX12.

**Building Controls:** With the addition of Controls the panels can be automated and customized to room use.

**Daylight Harvesting:** Additional sensors (such as Lutron's Graphic Eye) added to Building Controls enable user to further reduce energy consumption by taking advantage of natural light entering the room.

**Linking:** Up to 10 panels can be linked from the master panel.



TECHNICAL SPECIFICATIONS

## 2' x 2'

**Life:** 50,000 hour life based on L70 standards (30% lumen depreciation is considered end of life)

**Self-Driven:** No additional drivers required

**Power:** Connect directly to AC power supply 120V through 277V

**Contains No Hazardous Material:** Mercury and UV Free

**# Of LEDs:** 288

**Wattage:** 54W - 61W

**Lumens:** 3150 (1200 Lux - 1500 lux)

**CRI:** 85

**Color Temperature:** 3500K and 5000K

**Weight:** 7.6 lbs.

## 2' x 4'

**Life:** 50,000 hour life based on L70 standards (30% lumen depreciation is considered end of life)

**Self-Driven:** No additional drivers required

**Power:** Connect directly to AC power supply 120V through 277V

**Contains No Hazardous Material:** Mercury and UV Free

**# Of LEDs:** 432

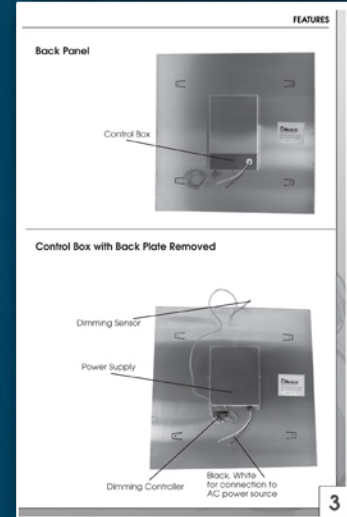
**Wattage:** 93W - 105W

**Lumens:** 5000 (1500 LUX - 1700 LUX)

**CRI:** 85

**Color Temperature:** 3500K and 5000K

**Weight:** 16 lbs.



## LED Flat Panel User Manual

FLATMAX SURFACE MOUNT KIT

FLAT PANEL SURFACE MOUNT KIT

Available for use with MaxLite Surface Mount Kit for recessed ceiling or wall installation. Wire trace and aluminum construction make this a durable option.

**PROJECT NAME:** \_\_\_\_\_

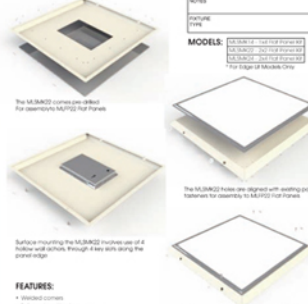
**CEILING NUMBER:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**INSTALLER:** \_\_\_\_\_

**TIME:** \_\_\_\_\_

**MODELS:** (Select the model number for the LED flat panel that you are installing.)



**FEATURES:**

- Aluminum construction
- Fully enclosed body
- 1/2" clearance for wiring
- For edge of recess only
- 2.5" (63.5mm) x 1.5" (38.1mm)

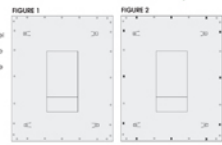
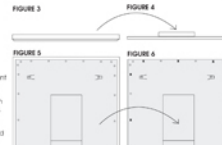
© covers complete the installation for a clean contemporary appearance

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FLAT PANEL SURFACE MOUNT KIT

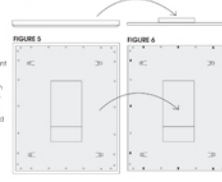

**STEP 1:**

Remove the LED flat panel (shown in figure 1) from package and remove the screws from the back of the LED flat panel that are marked with a "7" in figure 2.

**STEP 2:**

Overlay the surface mount frame (shown in figure 3 and figure 4) over the LED flat panel (shown in figure 3 and 4) and show the step in profile figure 5 and 6. Show the step head on.

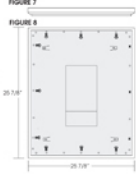



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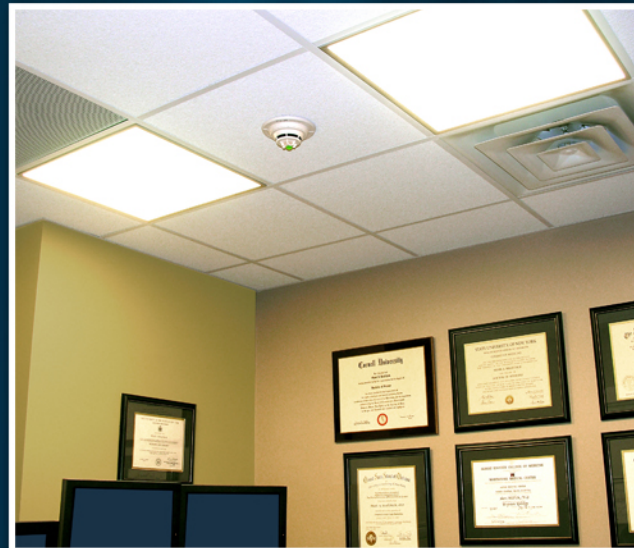
FLAT PANEL SURFACE MOUNT KIT

**STEP 3:**

Screw the longer machine screws provided in the kit into the holes marked with asterisk in figure 7. Figure 7 shows the complete panel mounted onto the surface mount kit in place.



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"Englewood Hospital Installs LED Lighting In Its Radiology Offices"



# LED Flat Panel Options

- MRI
- Pendant Mount
- Surface Mount
- IR Remote
- 0-10 Dimming (Power Supply Built-in)
- Donn Fineline Spacer Bracket
- Kelvin / Color
- Emergency Backup
- Remote Driver
- Finish



# LED Flat Panel Features / Benefits

## Energy Efficient

- Immediate reduction of power consumption from much lower wattage requirements = lower utility bills
- Easily dimmable using occupancy and daylight sensors resulting in additional energy savings
- Reduce cooling loads since light projected from LEDs produce no heat
- Instant-on, no flicker, and no buzzing noise



# LED Flat Panel Features / Benefits

## Environmentally Friendly

- 25% of U.S. electricity use is for lighting, accounting for 10% of all U.S. carbon dioxide emissions.
- LED lighting is non-toxic and contains no mercury, lead, or cadmium, and is recyclable.

## Maintenance and Safety

- Long life ranging from 50,000 to 100,000 hours.
- Reduced recycling costs required to dispose of hazardous bulbs and ballast.
- No change of ballast required.
- No breakable glass or filaments and are highly resistant to shock and vibration.

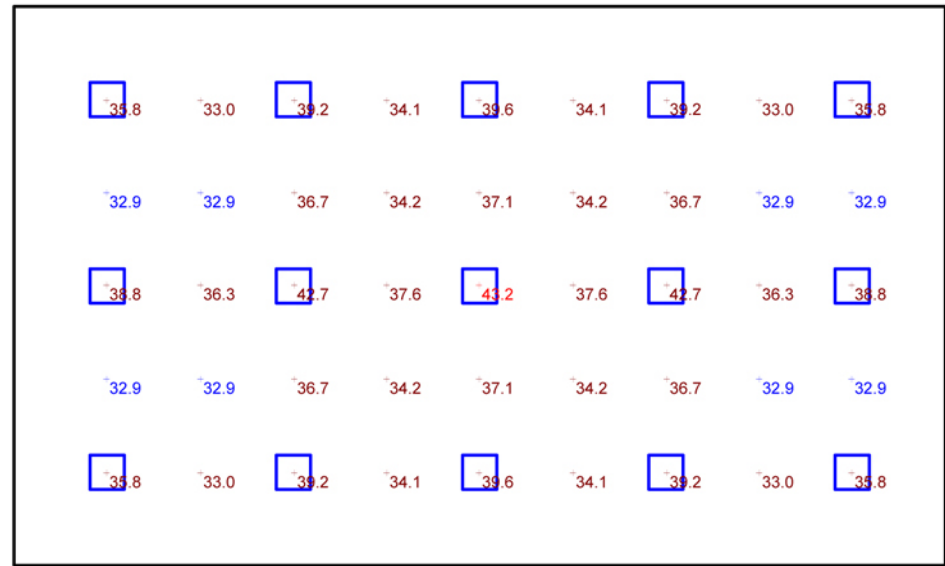


# Light Levels - Efficacy

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Workplane	+	36.1 fc	43.2 fc	32.9 fc	1.3:1	1.1:1

LUMINAIRE SCHEDULE									
Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
□	LM-1	15	MLFP22E6050 / MLFP2X2850	Extruded and formed aluminum housing, translucent white plastic enclosure		MLFP22E6050 .ies	Absolute	0.96	63

## MaxLite 2X2 LED Flat Panel (945W)



**Plan View**  
Scale 1" = 8"

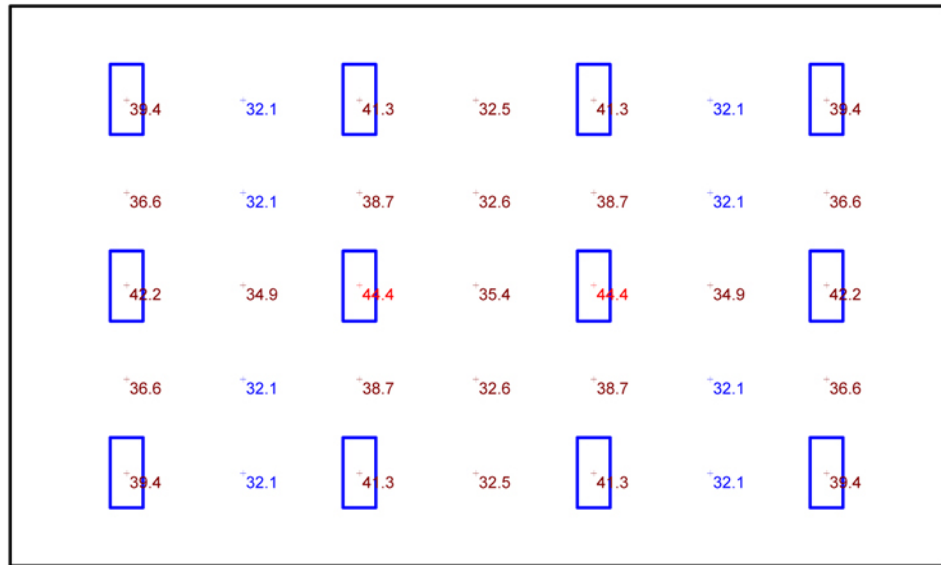


# Light Levels - Efficacy

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Workplane	+	36.8 fc	44.4 fc	32.1 fc	1.4:1	1.1:1

LUMINAIRE SCHEDULE									
Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
□	LM-1	12	2GT8 3 32 A12 1/3 ADDE	GT8 GENERAL PURPOSE T8 TROFFER 2'X4' 3 LP T8 #A12 LENS 1/3 ELEC	THREE 32-WATT T8 LINEAR FLUORESCENT.	2GT8_3_32_A12_1_3_ADDE.i es	2850	0.64	88

## General Purpose T8 Troffer (1056W) (Using three 32W T8's)



**Plan View**

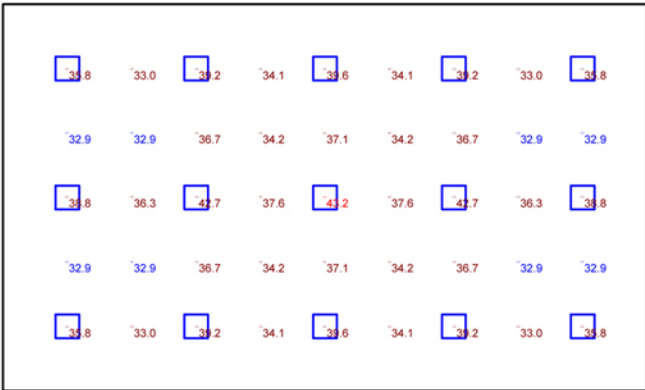
Scale 1" = 8'



# Light Levels - Efficacy

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Workplane	+	36.1 fc	43.2 fc	32.9 fc	1.3:1	1.1:1

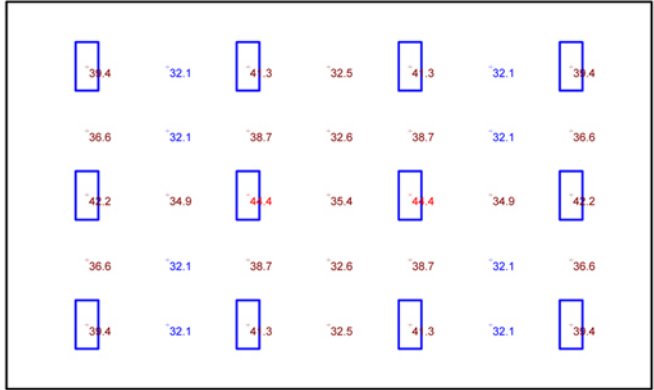
LUMINAIRE SCHEDULE									
Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
□	LM-1	15	MLFP22E6050 / MLFP2X2850	Extruded and formed aluminum housing, translucent white plastic enclosure		MLFP22E6050 .ies	Absolute	0.96	63



Plan View  
Scale 1" = 8"

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Workplane	+	36.8 fc	44.4 fc	32.1 fc	1.4:1	1.1:1

LUMINAIRE SCHEDULE									
Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
□	LM-1	12	2GT8 3 32 A12 1/3 ADDE	GT8 GENERAL PURPOSE T8 TROFFER 2'X4' 3 LP T8 #A12 LENS 1/3 ELEC	THREE 32-WATT T8 LINEAR FLUORESCENT	2GT8_3_32_A12_1_3_ADDE.ies	2850	0.64	88

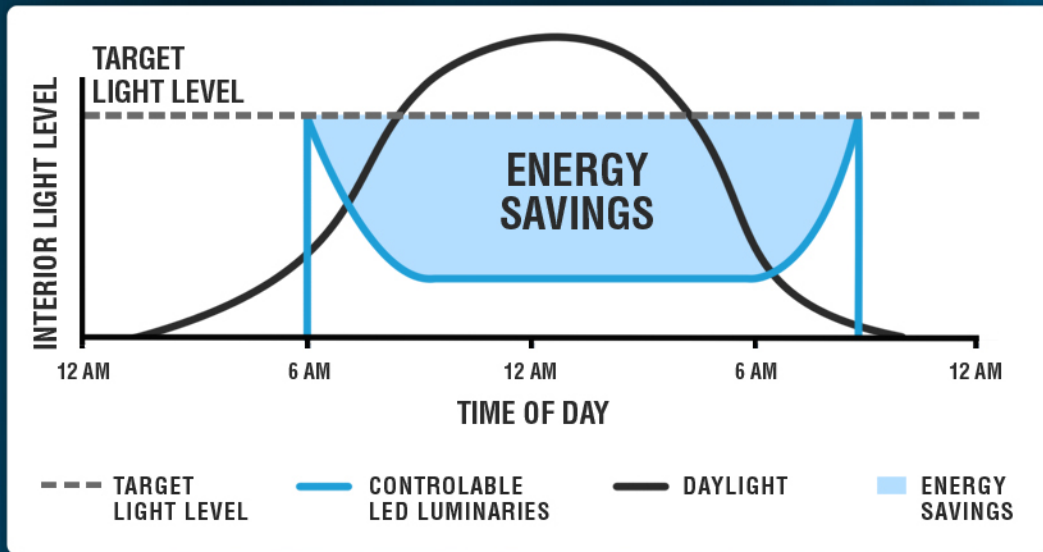
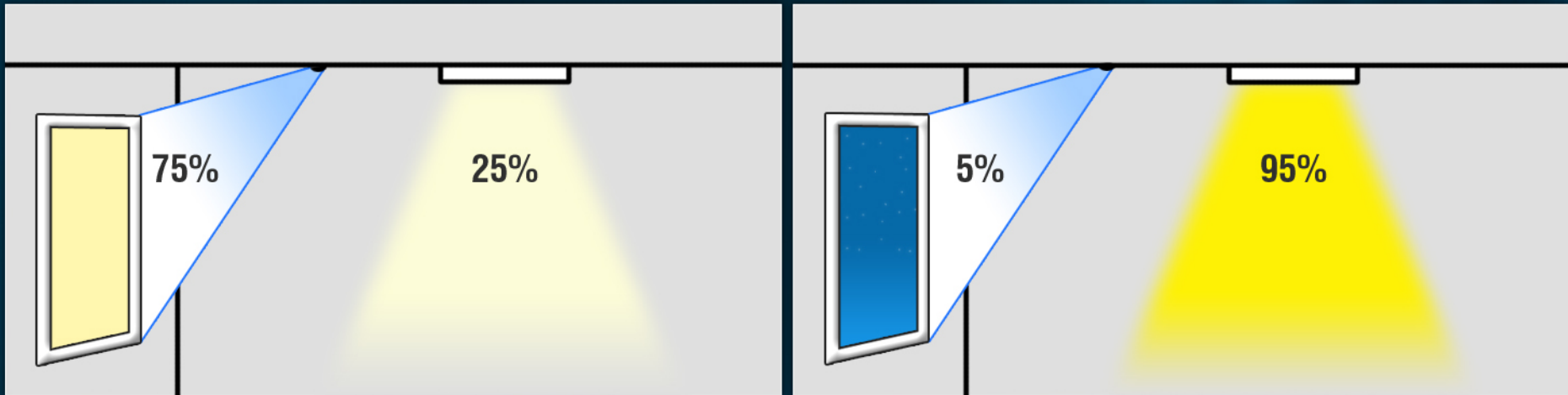


Plan View  
Scale 1" = 8"

**MaxLite 2X2 LED Flat Panel    General Purpose T8 Troffer  
(Using three 32W T8's)**



# Daylight Harvesting



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



# Shade Control

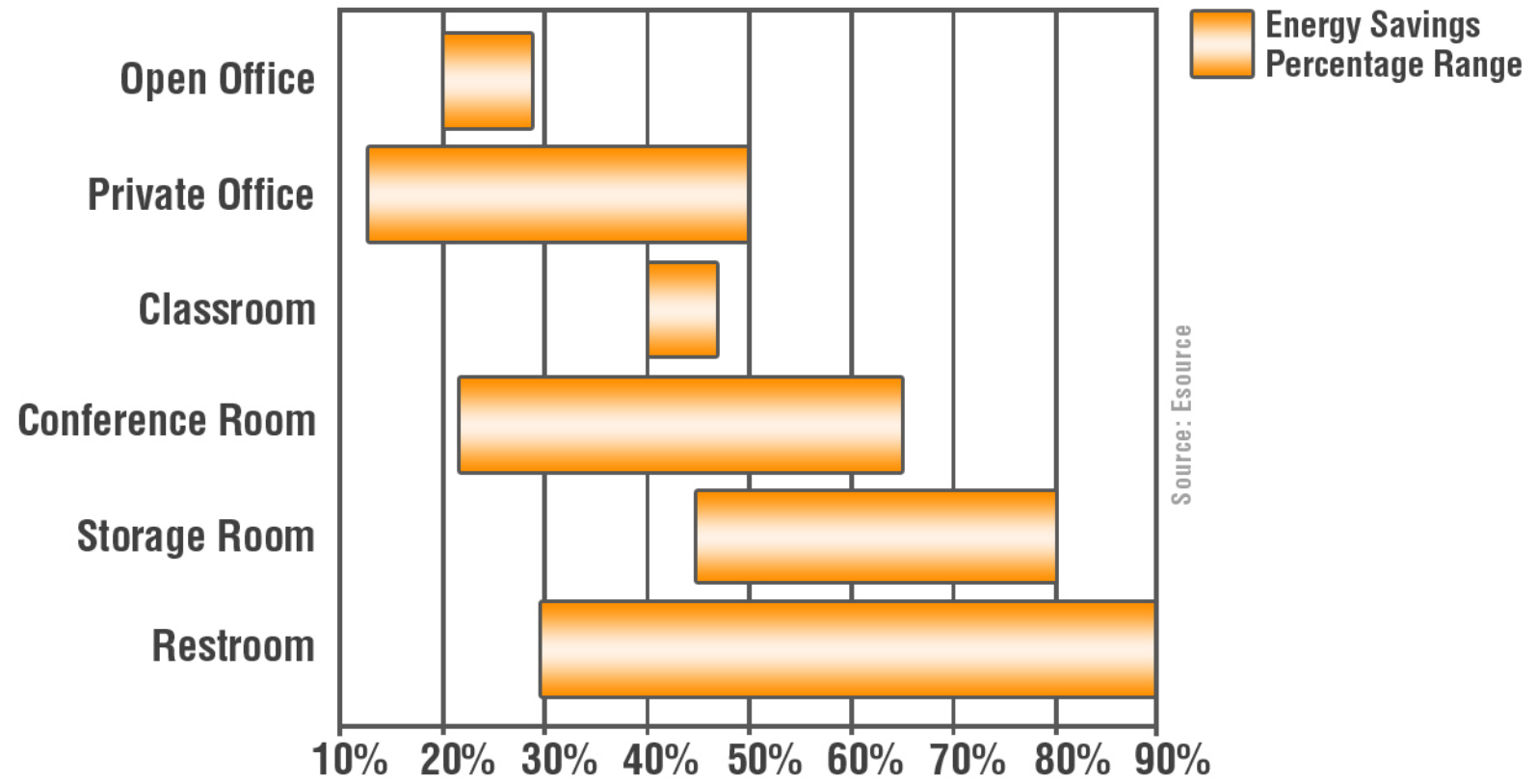


**LED Lighting coupled with daylight harvesting to control light levels. Can be tied into HVAC shade controls.**



# Occupancy Sensors

## Potential Energy Savings Using 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.**



# LED Flat Panels

ENERGY STAR  
AWARD  
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PARTNER OF THE YEAR

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1X4 Edge Lit MRI Flat Panels

Round Pendant

FlatMax User Manual

Surface Mount Manual

20W DarkSky

30W DarkSky

40W DarkSky



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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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## **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!

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