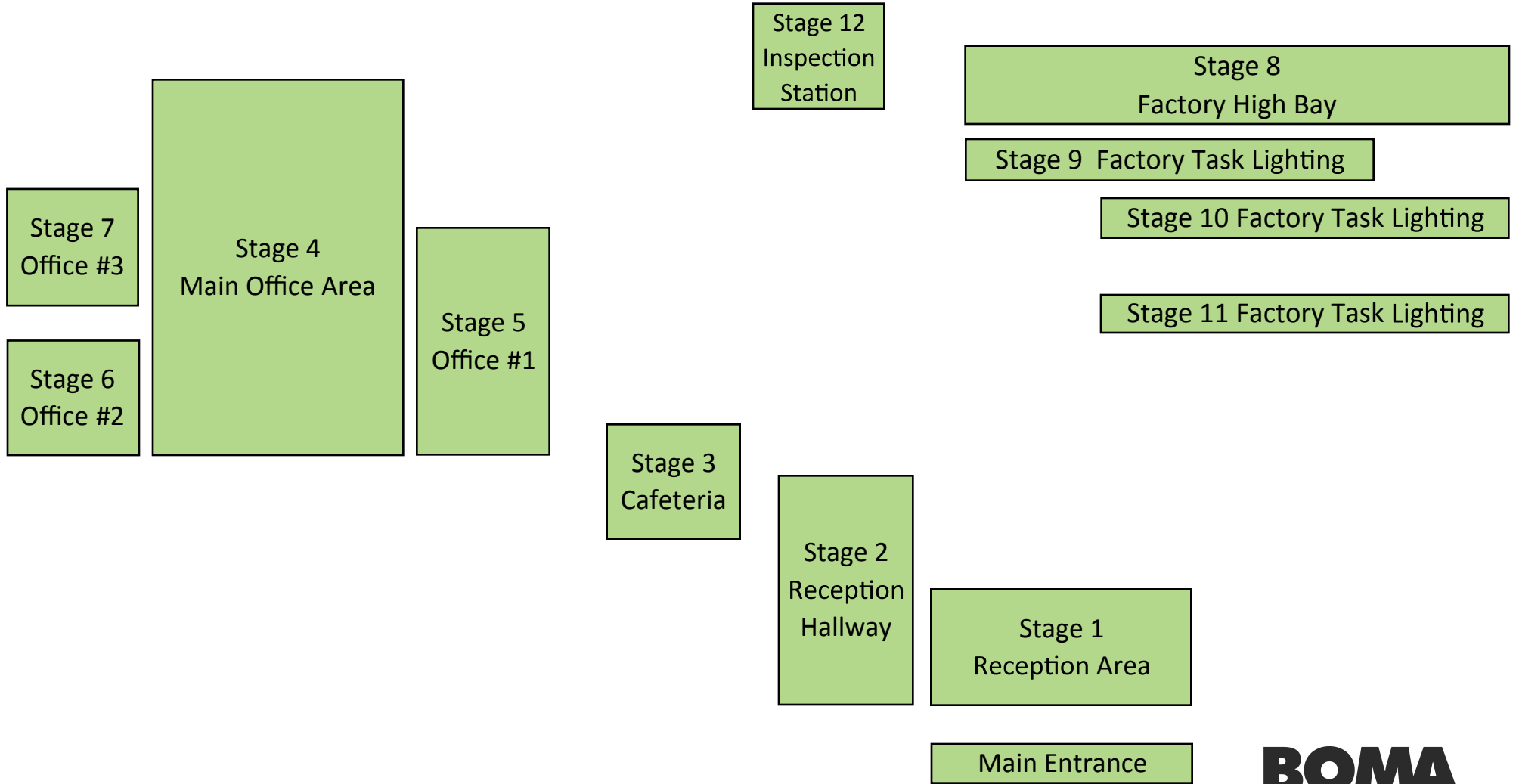




[www.ledenergy.ca](http://www.ledenergy.ca)

# LED Light Tour





[www.ledenergy.ca](http://www.ledenergy.ca)

# LED Light Tour

## Product Description and Comparison

	Location	Previous Lighting	Previous Wattage	Previous fc Level	LED Replacement	Present Wattage	Present fc Level
Stage 1	Reception Area	5x50W Halogan	250W	17 fc	5x5W LED MR16	25W	24 fc
Stage 2	Reception Hall Way	2x42W CFL	84W	9 fc	2x10W LED PAR30	20W	17 fc
Stage 3	Cafeteria	4x44Wx4 Fixtures T12	704W	40 fc	4x18Wx4 LED T8	288W	71 fc
Stage 4	Main Office Area	4x44Wx13 Fixtures T12	2288W	17/29/39 fc	4x18Wx13 LED T8	936W	57 fc
Stage 5	Office #1	4x44Wx4 Fixtures T12	704W	50 fc	4x60W 2'x2' LED Flat Panel	240W (dimmable)	76 fc
Stage 6	Office #2	4x44Wx2 Fixtures T12	352W	35 fc	4x18Wx2 LED T8	144W (dimmable)	58 fc
Stage 7	Office #3	4x44Wx2 Fixtures T12	352W	46 fc	2x40W 4'x1' LED Flat Panel	80W	44 fc
Stage 8	Factory (High Bay) Ceiling 18/20 ft	2x8ftx4 Fixtures T12 2x8ftx4 Fixtures T12 - ceiling at 12 ft	1200W	21/24 fc	4x150W LED High Bay	600W	36 fc
Stage 9	Factory (Task Lighting)	2x44Wx5 Fixtures T12	440W	51 fc	2x18Wx5 LED T8	180W	100 fc
Stage 10	Factory (Task Lighting - 8ft high)	2x8ftx2 Fixture T12	440W	40 fc	2x8ftx2 LED T8	144W	93 fc
Stage 11	Factory (Task Lighting - 10ft high)	2x8ftx1 Fixture T12	220W	35 fc	2x8ftx1 LED T8	72W	75 fc
Stage 12	Inspection Station	2x36Wx2 Fixture T8	144W	62 fc with grill (Desk Level)	4x18W LED T8	72W	70 fc with grill (Desk Level)
				75 fc without grill (Desk Level)			90 fc without grill (Desk Level)

Total Wattage:	7178W	2801W
----------------	-------	-------

Wattage Savings	4377W
-----------------	-------

**Conclusion: Wattage Saving = 256% and Lumens improvement > 50%**

# Stage 1 Reception Area

---



**Was 5x50W Halogan**                      **Now 5x5W LED MR16**

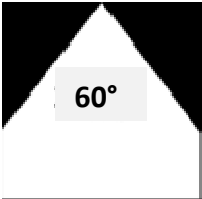
**Total 250W**                                      **Total 25W**

**Wattage Savings: 225W**

**FC was 17 fc**                                      **Now 24 fc**

**Part Number: LEIMR16-A3-5W-D1-DIM-4000K-60**

The MR16 5W GU5.3 LED Lamp is an 5 Watt dimmable LED lamp that will replace a 12VDC Halogen bulb (50 Watt). This LED Lamp has a Life Time of 50,000 hours and 70% Lumen Maintenance @ 25,000 Hours. This LED lamp is UL/cUL listed certification, has no harmful UV emissions, is eco-friendly (Mercury free), and comes with a 5 year LED warranty

Type	Beam Angle	Wattage (W)	CRI	Equivalent Replacement
MR16 LED Lamp GU5.3 Base 12VDC 50-60Hz		5 Watt	80+	50 Watt Halogen



# Stage 2 Reception Hall Way

---



**Was 2x42W CFL      Now 2x10W LED PAR30**

**Total 84W              Total 20W**

**Wattage Savings: 64W**

**FC was 9 fc              Now 17 fc**

**Part Number: LEIPAR30-T7-10W-D-DIM-4000K-90**

The PAR30 10W E26 LED Lamp is an 10 Watt dimmable LED lamp that will replace a 120V Halogen bulb (75 Watt +). This LED Lamp has a Life Time of 50,000 hours and 70% Lumen Maintenance @ 25,000 Hours. This LED lamp is ETL/cETL listed certification, has no harmful UV emissions, is eco-friendly (Mercury free), and comes with a 5 year LED warranty.

Type	Beam Angle	Wattage (W)	CRI	Equivalent Replacement
PAR30 LED Lamp E26 Base 120VAC 50-60Hz		10 Watt	80+	75 Watt + Halogen



# Stage 3 Cafeteria

---



**Was 16x40W T12      Now 16x18W LED T8**

**Total 704W              Total 288W**

**Wattage Savings: 416W**

**FC was 40 fc              Now 71 fc**

**Part Number: LEIT8-18W1200-WINS-4000K**

The 100-277V Internal Driver T8 Series is a 4ft.@18W LED tube that will replace 2 x T8 fluorescent tubes (70 Watt). This LED Tube has a Life Time of 50,000 hours and 70% Lumen Maintenance @ 25,000 Hours. This LED lamp is cUL listed, has no harmful UV emissions, is eco-friendly (Mercury free), and comes with a 5 year LED warranty.

Type	Beam Angle	Wattage (W)	CRI	Equivalent Replacement
4ft.(1200mm) LED Tube		18 Watt		
G13 Base				
Internal Driver		No External Ballast Required	80+	70 Watt
100-277V				



# Stage 4 Main Office Area

---



**Was 52x40W T12**                      **Now 52x18W LED T8**

**Total 2288W (incl. Ballast)**    **Total 936W**

**Wattage Savings: 1352W**

**FC was 17/29/39 fc**                      **Now 57 fc**

**Part Number: LEIT8-18W1200-WINS-4000K**

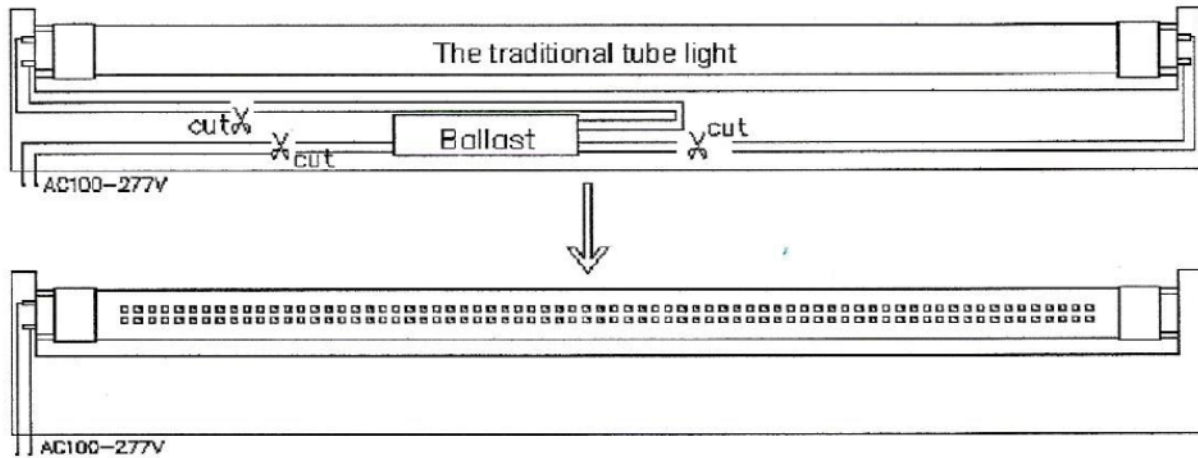
The 100-277V Internal Driver T8 Series is a 4ft.@18W LED tube that will replace 2 x T8 fluorescent tubes (70 Watt). This LED Tube has a Life Time of 50,000 hours and 70% Lumen Maintenance @ 25,000 Hours. This LED lamp is cUL listed, has no harmful UV emissions, is eco-friendly (Mercury free), and comes with a 5 year LED warranty.

Type	Beam Angle	Wattage (W)	CRI	Equivalent Replacement
4ft.(1200mm) LED Tube		18 Watt		
G13 Base				
Internal Driver		No External Ballast Required	80+	70 Watt
100-277V				



# Stage 4 - Luminaire with Electronic Ballast Retrofit

---



Note:

Retrofit the new LED T8 Tube does not require removing the existing Fluorescent Ballast

# Stage 5 Office #1

---



**Was 16x40W T12      Now 4x60W 2'x2' Panel LED**

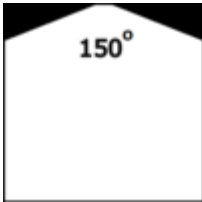
**Total 704W                      Total 240W**

**Wattage Savings: 464W**

**FC was 50 fc                      Now 76 fc**

**Part Number: LEI-P4-60W-CDS-4000K**

The Ultra Slim LED panels are thin, custom sizable, optical acrylic sheets with high output tier one LEDs embedded along the edge of the LED Light Panels and an homogeneous light distribution matrix across the back of the panel. Suitable for both suspended and recess applications. This LED Panel has a Life Time of 50,000 hours and equipped with dimmable capability. This LED lamp is UL/cUL certified, has no harmful UV emissions, is eco-friendly (Mercury free), and comes with a 5 year LED warranty.

Type	Beam Angle	Wattage (W)	CRI	Equivalent Replacement
LED Panel 2' x 2' 100 to 277 VAC		60 Watt	75+	160 Watt (4-4 T12 Fluorescent Tubes)





# Stage 6 Office #2

---



**Was 8x40W T12**                      **Now 8x18W LED T8**

**Total 352W (incl. Ballast)**      **Total 144W**

**Wattage Savings: 208W**

**FC was 35 fc**                              **Now 58 fc**

**Part Number: LEIT8-18W1200-WIDS-4000K**

The 100-277V Internal Driver T8 Series is a 4ft.@18W LED tube that will replace 2 x T8 fluorescent tubes (70 Watt). This LED Tube has a Life Time of 50,000 hours and 70% Lumen Maintenance @ 25,000 Hours. This LED lamp is cUL listed, has no harmful UV emissions, is eco-friendly (Mercury free), and comes with a 5 year LED warranty.

Type	Beam Angle	Wattage (W)	CRI	Equivalent Replacement
4ft.(1200mm) LED Tube		18 Watt		
G13 Base				
Internal Driver		No External Ballast Required	80+	70 Watt
120 VAC				



# Stage 7 Office #3

---



**Was 8x44W T12**                      **Now 2x40W 1'x4' LED Flat Panel**

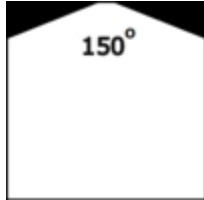
**Total 352W (incl. Ballast)**      **Total 80W**

**Wattage Savings: 272W**

**FC was 46 fc**                      **Now 44 fc**

**Part Number: LEI-P1-40W-CDS-4000K**

The Ultra Slim LED panels are thin, custom sizable, optical acrylic sheets with high output tier one LEDs embedded along the edge of the LED Light Panels and an homogeneous light distribution matrix across the back of the panel. Suitable for both suspended and recess applications. This LED Panel has a Life Time of 50,000 hours and equipped with dimmable capability. This LED lamp is UL/cUL certified, has no harmful UV emissions, is eco-friendly (Mercury free), and comes with a 5 year LED warranty.

Type	Beam Angle	Wattage (W)	CRI	Equivalent Replacement
LED Panel 1' x 4' 100 to 277 VAC		40 Watt	80+	fluorescent 160 Watt



# Stage 8 Factory (High Bay) Ceiling 20 ft



**Was 30x40W T12      Now 4x150W LED High Bay**

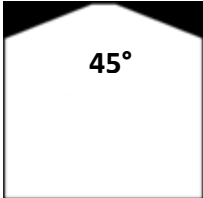
**Total 1200W      Total 600W**

**Wattage Savings: 600W**

**FC was 21/24 fc      Now 36 fc**

**Part Number: LEIHB-A150W-4000K-45**

The High Bay 150W Lamp is an 150 Watt LED lamp that will replace a Metal Halide High Bay Light (458 Watt). This LED Lamp has a Life Time of 50,000 hours. This LED lamp is cUL certified and DLC qualified, has no harmful UV emissions, is eco-friendly (Mercury free), and comes with a 5 year LED warranty.

Type	Beam Angle	Wattage (W)	CRI	Equivalent Replacement
LED High Bay 85 to 285 VAC	 <p>45°</p>	150 Watt	75+	High Bay 458 Watt

\* Beam Angle at 45 and 90 degrees are available upon request.



# Stage 9 Factory (Task Lighting)

---



**Was 10x44W T12**                      **Now 10x18W LED T8**

**Total 440W (incl. Ballast)**       **Total 180W**

**Wattage Savings: 260W**

**FC was 51 fc**                              **Now 100 fc**

**Part Number: LEIT8-18W1200-WINS-4000K**

The 100-277V Internal Driver T8 Series is a 4ft.@18W LED tube that will replace 2 x T8 fluorescent tubes (70 Watt). This LED Tube has a Life Time of 50,000 hours and 70% Lumen Maintenance @ 25,000 Hours. This LED lamp is cUL listed, has no harmful UV emissions, is eco-friendly (Mercury free), and comes with a 5 year LED warranty.

Type	Beam Angle	Wattage (W)	CRI	Equivalent Replacement
4ft.(1200mm) LED Tube		18 Watt		
G13 Base				
Internal Driver		No External Ballast Required	80+	70 Watt
100-277V				



# Stage 10 Factory (Task Lighting @ 8 ft high)

---



**Was 4x8ft T12**

**Now 4x36W LED T8**

**Total 440W (incl. Ballast)**

**Total 144W**

**Wattage Savings: 296W**

**FC was 40 fc**

**Now 93 fc**

**Part Number: LEIT8-36W2400NX277V-4000K-FA8**

The 100-277V Internal Driver T8 Series is a 8ft.@18W LED tube that will replace 2 x T8 fluorescent tubes (70 Watt). This LED Tube has a Life Time of 50,000 hours and 70% Lumen Maintenance @ 25,000 Hours. This LED lamp is cUL listed, has no harmful UV emissions, is eco-friendly (Mercury free), and comes with a 5 year LED warranty.

Type	Beam Angle	Wattage (W)	CRI	Equivalent Replacement
8ft.(2400mm) LED Tube		36 Watt		
G13 Base				
Internal Driver		No External Ballast Required	80+	110 Watt
100-277V				

---



# Stage 11 Factory (Task Lighting @ 10 ft high)



**Was 2x8ft T12**

**Now 2x8ft LED T8**

**Total 220W (incl. Ballast)**

**Total 72W**

**Wattage Savings: 148W**

**FC was 35 fc**

**Now 75 fc**

**Part Number: LEIT8-36W2400NX277V-4000K-FA8**

The 100-277V Internal Driver T8 Series is a 8ft.@36W LED tube that will replace 2 x T8 fluorescent tubes (70 Watt). This LED Tube has a Life Time of 50,000 hours and 70% Lumen Maintenance @ 25,000 Hours. This LED lamp is cUL listed, has no harmful UV emissions, is eco-friendly (Mercury free), and comes with a 5 year LED warranty.

Type	Beam Angle	Wattage (W)	CRI	Equivalent Replacement
8ft.(2400mm) LED Tube		36 Watt  No External Ballast Required	80+	110 Watt
G13 Base				
Internal Driver				
100-277V				



# Stage 12 Inspection Station

---



**Was 4x36W T8**                      **Now 4x18W LED T8**  
**Total 144W (incl. Ballast)**    **Total 72W**  
**Wattage Savings: 72W**  
**FC was 62 fc (with Grill)**        **Now 70 fc**  
**FC was 75 fc (without Grill)**   **Now 90 fc**  
**Part Number: LEIT8-18W1200-WINS-4000K**

The 100-277V Internal Driver T8 Series is a 4ft.@18W LED tube that will replace 2 x T8 fluorescent tubes (70 Watt). This LED Tube has a Life Time of 50,000 hours and 70% Lumen Maintenance @ 25,000 Hours. This LED lamp is cUL listed, has no harmful UV emissions, is eco-friendly (Mercury free), and comes with a 5 year LED warranty.

Type	Beam Angle	Wattage (W)	CRI	Equivalent Replacement
4ft.(1200mm) LED Tube		18 Watt	80+	70 Watt
G13 Base		No External Ballast Required		
Internal Driver				
100-277V				



**LED**

*ENERGY*

***[www.ledenergy.ca](http://www.ledenergy.ca)***