

6" LAUREL™
DOWNLIGHTING SYSTEM

8.8W-71.4W, 2700K - SunsetK, 850 lm - 6000 lm,
120V or 120/277V

THE LAUREL™ SYSTEM

A full line of high quality commercial grade LED lighting with different size apertures, lumen outputs, and color temperatures. A great solution for hospitality, retail, and commercial projects



FEATURES

- Design allows for quiet, glare-free ceiling
- Spun extra deep aluminum single piece reflectors
- 55° Cutoff
- Optional 90 minutes, 120/277 VAC, 60Hz Emergency Backup.
- USA designed and assembled.
- 2 at the end of the item number denotes Generation 2. Please note Gen 2 and Gen 1 are not cross compatible.
- Driver on frame/retrofit kit.
- Excellent color rendering 93+ CRI.
- IC rated for direct contact with insulation for 850 lm and 1250 lm packages

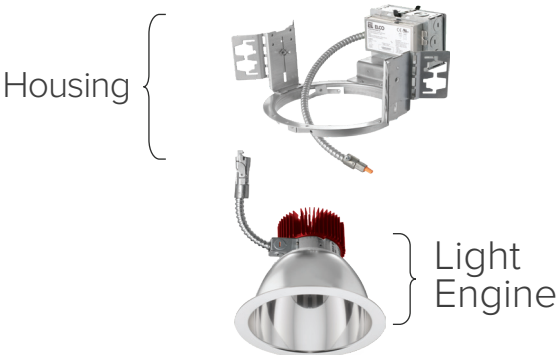
SPECIFICATIONS

Wattage	8.8W - 71.4W
Lumens	850 lm - 6000 lm
Voltage	120V or 120/277V
Color Temp.	2700K, 3000K, 3500K, 4000K, 5000K, SunsetK
CRI	93+
Damp Location	Listed
Wet Location	Listed
Dimming	Dims down to 1% with Triac/ELV/0-10V Dimmers
Beam Angle	15°, 24°, 38°, 60°

Finishes	White Black Chrome/White Haze Haze/White Trim
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SET UP

1. Select a New Construction, Remodel, or Retrofit Housing.
2. Select a Laurel LED Light Engine.



PRODUCT NUMBER BUILDER

STEP 1. Specify Housing part number (Select one)

Example: E6LTU08D2

6" IC AIRTIGHT RECESSED HOUSINGS

ITEM	ROUND FRAME	VOLTAGE	LUMEN	DIMMING	OPTIONAL
E6L					
E6L	H Architectural	U 120/227V	08 850 lm	D2 Triac/ELV/0-10V	[BLANK] No EM
	F Plaster		12 1250 lm	S Sunset	EM1 8W EM Backup
	R Remodel		16 1600 lm	L2 Lutron	EM2 12W EM Backup
	T Retrofit Kit		20 2000 lm		
			30 3000 lm		
			40 4000 lm		
			60 ¹ 6000 lm		
			¹ Available in 0-10V dimming only		

STEP 2. Specify Laurel LED Light Engine part number (Select one)

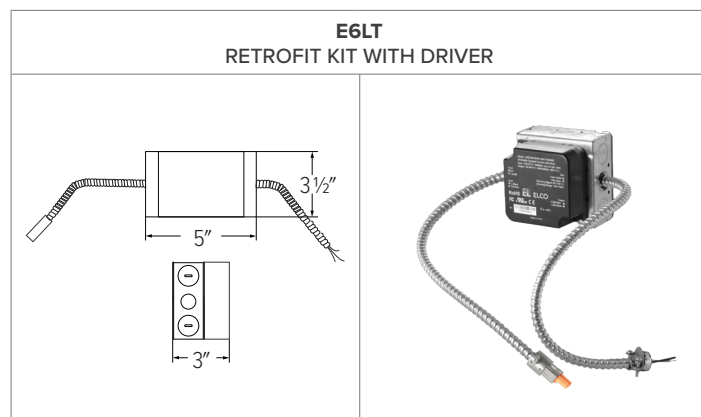
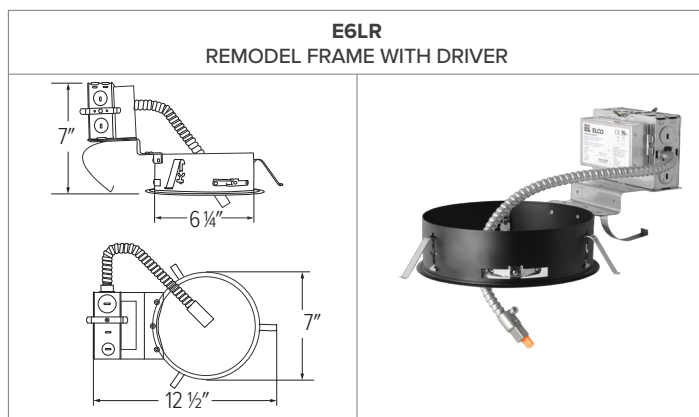
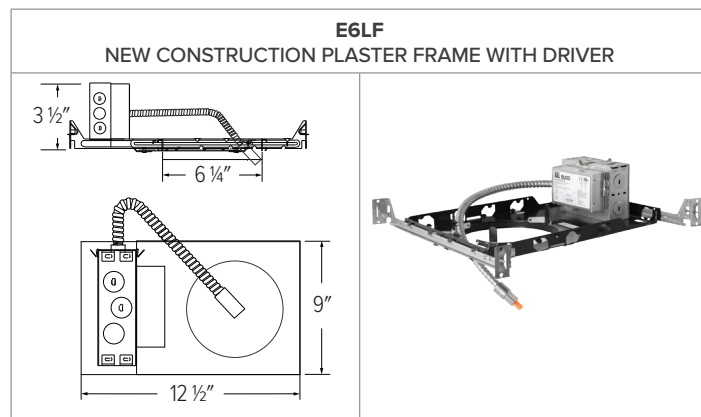
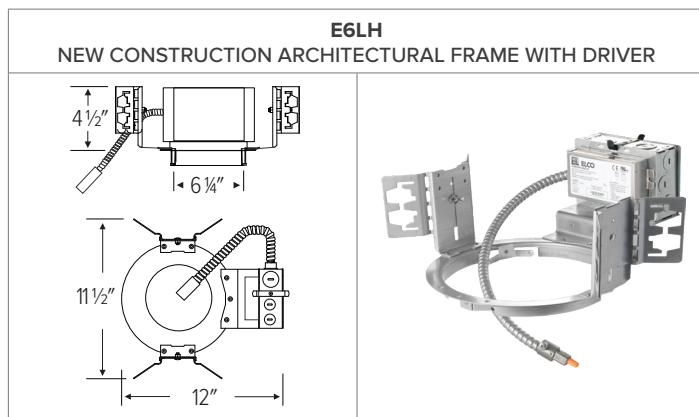
Example: E610L0827W2

6" ROUND LED LIGHT ENGINES

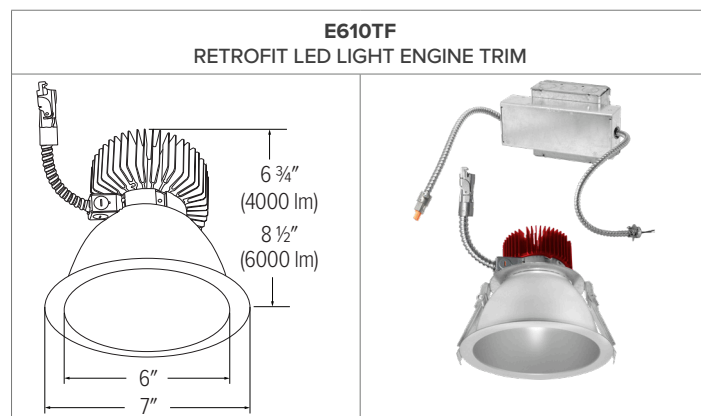
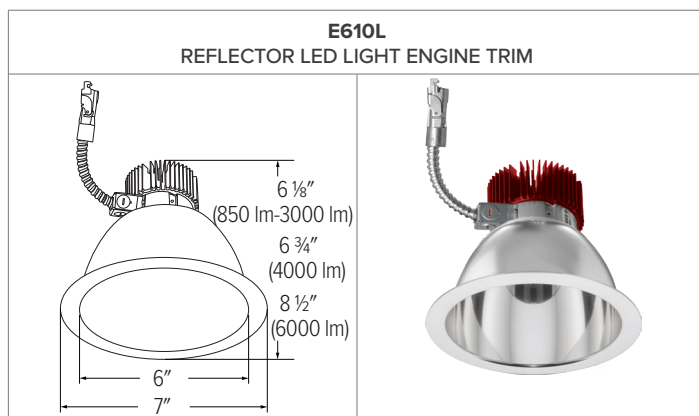
ITEM	STYLE		LUMENS	COLOR TEMP.		FINISH	GENERATION	BEAM ANGLE
E6								
E6	10L	Reflector	08 850 lm	27 2700K	W All White	2 ⁴	Gen 2	60°
	11L	Wall Wash	12 1250 lm	30 3000K	B All Black		Gen 1	-F ¹ 38°
	12L	Drop Glass	16 1600 lm	35 3500K	C All Chrome			-N ¹ 24°
	18L	Adjustable	20 2000 lm	40 4000K	H All Haze (Semi-Specular)			-S ¹ 15°
			30 3000 lm	50 5000K	HW Haze with White Trim			
			40 4000 lm	SD ^{1,2,3} Sunset				
			60 6000 lm					
				¹ Available for lumen packages up to 3000 lm only ² Sunset, Dim to Warm technology, automatically transitions from 3000K to 1800K when dimmed ³ Available with Generation 1 only		⁴ Not available for Sunset option		¹ Available for lumen packages up to 3000 lm only

PRODUCT DIMENSIONS

LAUREL IC AIRTIGHT RECESSED HOUSINGS AND FRAMES



ARCHITECTURAL LAUREL™ LIGHT ENGINES



W (All White)



B (All Black)



C (All Chrome)



H (All Haze)



HW (Haze w/White Trim)



W (All White)



B (All Black)



C (All Chrome)



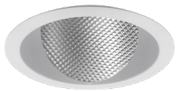
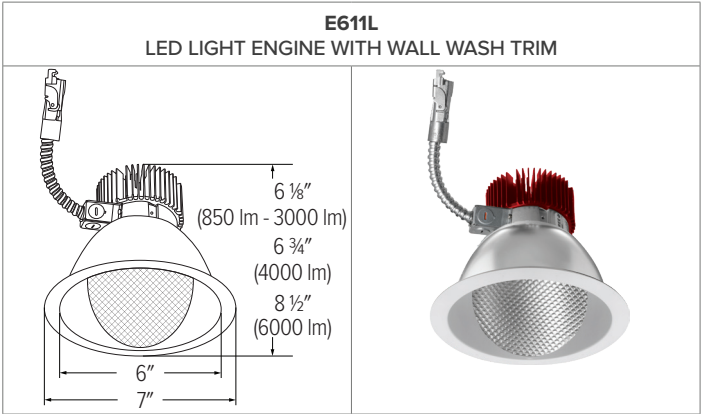
H (All Haze)



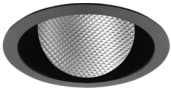
HW (Haze w/White Trim)

PRODUCT DIMENSIONS

ARCHITECTURAL LAUREL™ LIGHT ENGINES



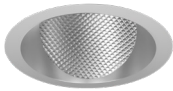
W (All White)



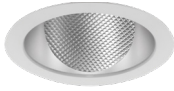
B (All Black)



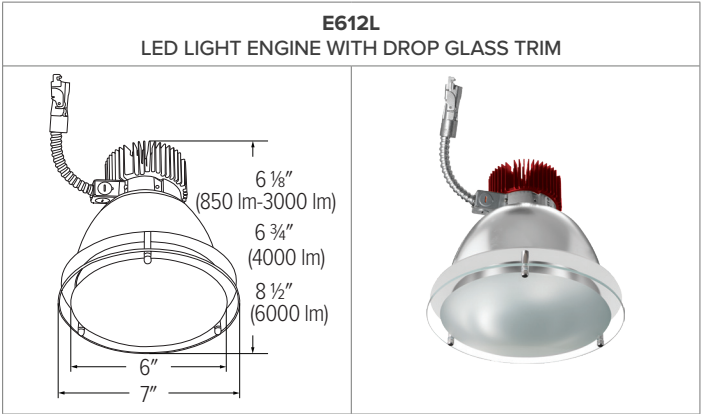
C (All Chrome)



H (All Haze)



HW (Haze w/White Trim)



W (All White)



B (All Black)



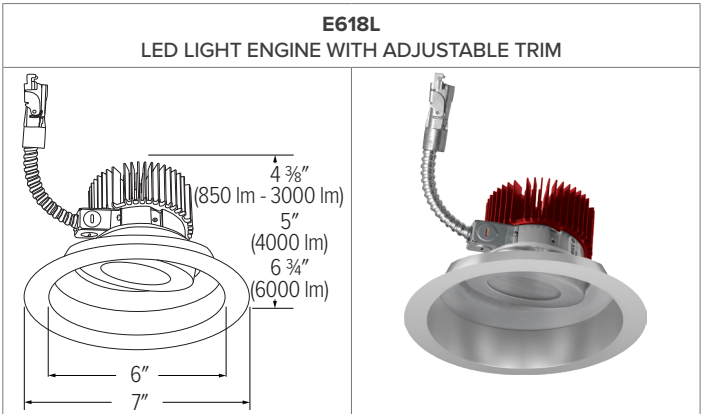
C (Chrome)



H (Haze)



HW (Haze with White Trim)



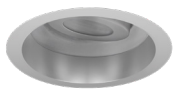
W (All White)



B (All Black)



C (All Chrome)



H (All Haze)



HW (Haze w/White Trim)

TECHNICAL DETAILS

Optics: Frosted polycarbonate lens diffuses light evenly throughout while reducing glare with LED technology.

Construction (Housing and Frame): Constructed from 16 gauge galvanized steel for large architectural and commercial building applications.

Construction (Reflector): Reflector allows for minimal glare and a strong glare cut-off. Wall wash reflector pushes light in one direction to evenly light up a wall or frame. Drop glass helps to virtually eliminate glare. Integral gimbal ring has adjustability up to $\pm 25^\circ$ ideal for sloped ceilings and wall wash applications.

Installation (New Construction Housing and Frame): Designed for architectural buildings. Easily installed with hanger bars (ordered separately for specific application type). Light engine installed into frame.

Installation (New Construction Plaster Frame): High strength hanger bars can easily be nailed to joists. Suitable for T-grid and drop ceiling applications. See installation sheet for detailed information.

Installation (Remodel Frame): Remodel clips hold housing sturdily into place.

Installation (Retrofit Kit): Designed to be installed in existing holes for retrofitting less efficient lighting technologies. Junction box is mounted with driver and can be mounted into the ceiling with flex going from power to junction box and from junction box to light engine.

Installation (Light Engine): Must be installed on a Laurel System frame with compatible lumen rating. Frames are available for New Construction, Remodel, and as a Retrofit Kit. Mounting brackets designed for retrofit application.

Junction Box: Positioned to accommodate straight conduit runs. Seven 1/2" trade size conduit knockouts and four pry-out knockout slots for easy Romex installation.

Hanger Bars: Hanger bars ordered separately for architectural frame as FB27: Set of two 27" hanger bars for wood construction. CH26: Set of two 26" C-Channel hanger bars for T-Bar Ceiling. Pre-installed hanger bars with True Nail for easy installation in regular lumber, engineered lumber, and laminated beams. Integral T-bar slots for easy installation in T-Bars. Spans up to 24" and can be repositioned 90°. Score lines allow for tool-free hanger bar size reduction. Integral leveling flange allows for single-person installation while easily aligning the housings with the joists.

Electrical: Driver is rated for 120V and 277V input (120/277V). High-efficiency driver with a power factor > 0.9 . Can be specified with Lutron drivers for specific applications.

Dimmability: 3-in-1 dimming: Triac, ELV, and 0-10V dimming down to 1%. Flicker-Free Dimming. Can be specified with Lutron drivers for 0.1% and 1% dimming. For a full list of dimmers, refer to the Dimmer Compatibility List.

LED Technology:

Extremely accurate Color Rendering Index of 93+ CRI. Efficacy of >90 lumens per watt. Lumen Maintenance of 50,000 hours L70 Life based on LM80 standardized test results. Superior Thermal Management by utilizing ELCO Red heat sink. Instant On to Full Brightness technology. No LED pixilation.

Sunset: Sunset color temperature is our dim-to-warm LED technology that allows the color temperature to become warmer as the product is dimmed. Our SUNSET items start at 3000K and go as low as 1800K when dimmed. For Sunset dim technology, be sure to order an item with "Sunset" in the Color Temperature (CCT) attribute.

Listings (Housing and Frame): UL & cULus Listed for Damp Location. UL & cULus Listed for Wet Location with select trims. UL & cULus Listed for Direct Contact with Insulation and Combustible Material for units up to 2000 lm. UL and cULus Listed for Feed Through.

Warranty: ELCO Products are built to last. 5-year Limited warranty.

DIMMER COMPATIBILITY CHART

FOR REFERENCE ONLY

Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards. Consult the dimmer manufacturer prior to installation to ensure compatibility. The listed values were measured under ideal conditions in a test lab. Results in the field may differ.

MANUFACTURER	PRODUCT	PART NUMBER	DIMMED LIGHT OUTPUT RANGE
Triac/ELV Type Dimmers - 120V Only			
Lutron	120V AC, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way	RRD-6CL	1% - 100%
	120V AC 60Hz, 150W LED/CFL/Incandescent/Halogen, Single Pole, 3-Way,	DVCL-153P	1% - 100%
	120V 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way	TGCL-153P	1% - 100%
	120V AC 60Hz, 300W Electronic Low Voltage, 3-Way, Commercial/Residential Application	DVELV-303P	1% - 100%
	120V, 600W Incandescent/Halogen, Single Pole, Residential Indoor Application	TG-600P	1% - 100%
	120V, 1000W Incandescent or 600W Magnetic Low Voltage, Single Pole, 3-Way	CT103P	1% - 100%
	120V AC 60Hz, 600W Electronic Low Voltage, Single Pole/Multi-Location	MAELV600	1% - 100%
	120V AC 60Hz, 500W Electronic Low Voltage, Single Pole/Multi-Location	FAELV500	1% - 100%
	120V AC 60Hz, 600W Incandescent/Halogen, Single Pole, Slide-to-Off Dimmer	S-600P	1% - 100%
	120V AC 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way	SCL-153P	1% - 100%
	Caséta® Wireless Dimmer	PD-6WCL	1% - 100%
	120V AC 60Hz, Low Voltage Load Type, 150W Single Pole	DVLV-600P	5% - 100%
	120V AC, 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way, Residential and Commercial Application	DV-603P	1% - 100%
	120V AC, 50/60Hz, 150W LED/CFL, 600W Incandescent/Halogen, Single Pole, 3-Way, Indoor Application	MA-PRO	1% - 100%
	120V AC 60Hz, 150W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way,	MACL-153M	1% - 100%
Leviton	120V AC 60Hz, 300W Electronic Low Voltage, 400 Volt Amp, Single Pole, 3-Way	IPE04	1% - 100%
	120V AC 60Hz, 300W CFL or 600W Incandescent, 400 Volt Amp, Single Pole, 3-Way	6673-10W	1% - 100%
	120V AC, 600W Incandescent with LED Locator, Single Pole, 3-Way	VP106	1% - 100%
	120V AC 60Hz, 500W Incandescent with LED Level Indicator, Single Pole, 3-Way	6161	1% - 100%
	120V AC, 150W LED/CFL or 600W Incandescent, Single Pole, 3-Way	6674	1% - 100%
Eaton	120V AC, 300W LED/CFL or 600W Incandescent/MLV/Halogen, Single Pole, 3-Way	TAL06P1-C1	1% - 100%
Cooper	120V AC 60Hz, 300W LED/CFL or 600W Incandescent/Halogen, Single Pole, 3-Way	SLC03P / DAL06P	1% - 100%
	120V AC 60Hz, 300W LED/CFL or 600W Incandescent, Single Pole, 3-Way	DLC03P	1% - 100%
	120V AC 60Hz, 600W Incandescent/Halogen, Single Pole, 3-Way,	RI061-VW-K2	1% - 100%
	120V AC 60Hz, 300W LED/CFL/ Incandescent/Halogen, Single Pole, 3-Way	AAL06A-C2	1% - 100%
Lightolier	120V, 260W Incandescent/Halogen, Single Pole, 3-Way	ZP260QEW	1% - 100%
0-10V Type Dimmers - 120/277V			
Lutron	120/277V AC, 0-10V LED/CFL Ballast, Single Pole, 3-Way	NFTV	1% - 100%
	120/277V AC, 0-10V, Single Pole, 3-Way, Commercial and Residential, Indoor Application	DVSTV	1% - 100%
	120/277V AC 50/60Hz, 0-10V LED/CFL Ballast, Single Pole, 3-Way, Indoor Application	DVTV	1% - 100%
Leviton	120/277V AC 60Hz, 0-10V LED/CFL Ballast, Single Pole, 3-Way	IP710-DL	1% - 100%

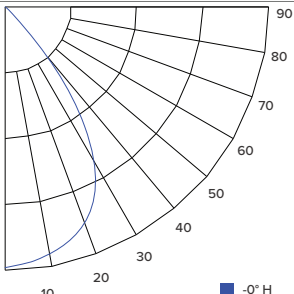
***NOTE: Refer to dimmer manufacturer's documentation for installation instructions and circuit details**

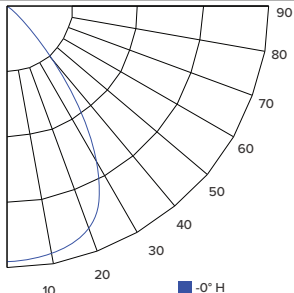
Disclaimer: Minimum and maximum loads for LEDs and CFLs are given in number of lamps and may vary depending on the lamp being used. Testing conducted by ELCO Lighting is not a substitute for and does not imply certification by an independent laboratory or any other standards certification. Refer to manufacturer specifications for more detailed information on product certifications and standards.

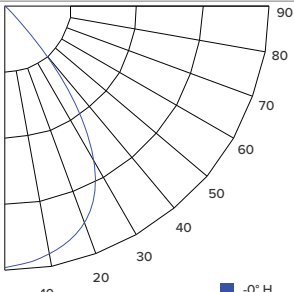
Integrating our lighting with your Smart Home System is a breeze. Simply check your Smart Home system for compatible smart switches and cross reference that with our Dimming Compatibility Chart. Once the switches are integrated with your Smart Home system your lights will be ready to go.



6" LAUREL™ ARCHITECTURAL REFLECTOR LED LIGHT ENGINE

PHOTOMETRIC REPORT	CANDLE POWER SUMMARY		ILLUMINANCE AT A DISTANCE		
PHOTOMETRIC REPORT Product #: E610L6030B Wattage / Lumens: 70.4W / 4791.9 lm Luminaire LPW: 68 lm/W 	Degress Vertical	0°	Distance to Target Plane	Center Beam Footcandles	Beam Diameter
	0	4684	4'	405	5.2'
	5	4628	6'	142.6	7.8'
	15	4177	8'	73.2	10.5'
	25	3402	10'	49.3	13.1'
	35	1972	ZONAL LUMEN SUMMARY		
	45	403			
	55	59	Zone	Lumens	%Luminaire
	65	20	0-30°	3,157.7	65.9
	75	7	0-40°	4,360.9	91
		85	0-60°	4,763.7	99.4
		90	0-90°	4,791.9	100

PHOTOMETRIC REPORT	CANDLE POWER SUMMARY		ILLUMINANCE AT A DISTANCE		
PHOTOMETRIC REPORT Product #: E610L4035W2 Wattage / Lumens: 36.6 W / 4110.6 lm Luminaire LPW: 112.3 lm/W 	Degress Vertical	0°	Distance to Target Plane	Center Beam Footcandles	Beam Diameter
	0	4018	4'	251	5.2'
	5	3970	6'	112	7.9'
	15	3583	8'	62.8	10.5'
	25	2918	10'	40.2	13.1'
	35	1691	ZONAL LUMEN SUMMARY		
	45	346			
	55	50	Zone	Lumens	%Luminaire
	65	17	0-30°	2,708.8	65.9
	75	6	0-40°	3,740.8	91
		85	0-60°	4,086.4	99.4
		90	0-90°	4,110.6	100

PHOTOMETRIC REPORT	CANDLE POWER SUMMARY		ILLUMINANCE AT A DISTANCE		
PHOTOMETRIC REPORT Product #: E610L6030B Wattage / Lumens: 70.4W / 4791.9 lm Luminaire LPW: 68 lm/W 	Degress Vertical	0°	Distance to Target Plane	Center Beam Footcandles	Beam Diameter
	0	4684	4'	405	5.2'
	5	4628	6'	142.6	7.8'
	15	4177	8'	73.2	10.5'
	25	3402	10'	49.3	13.1'
	35	1972	ZONAL LUMEN SUMMARY		
	45	403			
	55	59	Zone	Lumens	%Luminaire
	65	20	0-30°	3,157.7	65.9
	75	7	0-40°	4,360.9	91
		85	0-60°	4,763.7	99.4
		90	0-90°	4,791.9	100