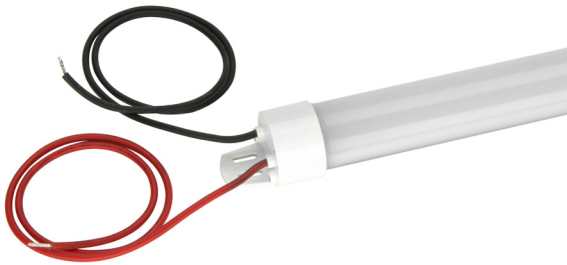


## LED COOLER AND FREEZER LAMPS

### XXRL SERIES



### PRODUCT DESCRIPTION:

MaxLite Cooler and Freezer lamps are a high value combination of design and performance features. For use in freezer case lighting, these DC operated lamps combined with remoted constant voltage drivers, give exceptionally long life. The 4100K color from LM-80 test certified LEDs give clean, bright white lighting to case products and goods.

### CONSTRUCTION:

- Smooth Polycarbonate polymer housing, no exposed heat sink ribs to trap gunk
- Molded in Polycarbonate Polymer mounting tabs means no loose pieces and non-conductive contact
- Low mounting height reduces obstruction to access of case products

### CONSTRUCTION:

- All Models incorporate IESNA LM-80 validated LED chipsets
- CRI > 80

### CONTROL:

- Can be used with ON/off switches and/or occupancy sensors – dimming is driver dependent
- See Page 2 System Notes

### LAMP ORDERING INFORMATION:

ORDER CODE	MODEL NUMBER	WATTS (NOMINAL)	DELIVERED LUMENS	DIMENSIONS (L" x W" x H")	LIFE (L70)	CCT
75439	36RL41	9W	967 LM	34.25 x 1.19 x 1.0	50,000 Hrs	4100K
75440	48RL41	19W	1450 LM	44.75 x 1.19 x 1.0		
75441	60RL41	23W	1820 LM	58.25 x 1.19 x 1.0		
75442	72RL41	29W	2220 LM	67.35 x 1.19 x 1.0		

COMPATIBLE DRIVERS*		
ORDER CODE	MODEL NUMBER	DESCRIPTION
75296	MUV100N024XX8-205	MAXLITE UNIV 120-277V 100W DAMP CONSTANT VOLTAGE CLASS 2 24V DRIVER NON-DIM

\*If using driver not listed above, please contact MaxLite for technical assistance.  
Use of incompatible electronics can void warranty.

ITEM	SPECIFICATION	3FT. 36RL41		4FT. 48RL41		5 FT. 60RL41		6FT. 72RL41	
		DETAILS				DETAILS			
<b>GENERAL PERFORMANCE</b>	Delivered Lumens (lm)	904		1450.2		1819.2		2221.1	
	Spacing Criteria	Contact MaxLite for Installation Criteria							
	Color Temperature (CCT)	4100K							
	Efficacy lm/W Nom.	97		74.37		78.72		76.28	
	Dimming / Control	Dimming or control – driver dependent							
	Lumen Maintenance (L70)	>50,000 Hrs							
<b>ELECTRICAL</b>	Drive Rate (mA)	330mA		750mA		920mA		1250mA	
	Power Consumption	9.3W		19.5W		23.1W		29.1W	
	Input Voltage	24Vdc							
<b>PHYSICAL</b>	Dimensions (L" x W" x H")	34.25" x 1.19" x 1.0"		44.75" x 1.19" x 1.0"		58.25" x 1.19" x 1.0"		67.35" x 1.19" x 1.0"	
	Weight	<1lbs		<1lbs		<1.5lbs		<2lbs	
	Housing	Housing and end caps: Opaque White Polycarbonate polymer, HB rated							
	Lens	Translucent Polycarbonate Polymer, HB rated							
	Mounting	End flanges, screw attachment, 22 ga. Flying leads, vertical or horizontal orientation							
	Operating Temperature	-20°C~+50°C							
<b>CERTIFICATION</b>	Certification	USL & CNL as UL 2108 & 8750 / CAN/CSA 22.2 No. 250-8							
	Environment	Suitable for damp Locations, Install using only Class 2 power Supply							
	LED Class	IESNA LM-80-2008; ISTMT21							
	Warranty	5 year Limited warranty							

### System Notes:

#### Lamp Spacing / Photometry:

Most refrigerating lighting is installed inside case or cooler. Distances between lamps and product, and door sizes can affect lighting distribution and evenness. Please consider when selecting a system.

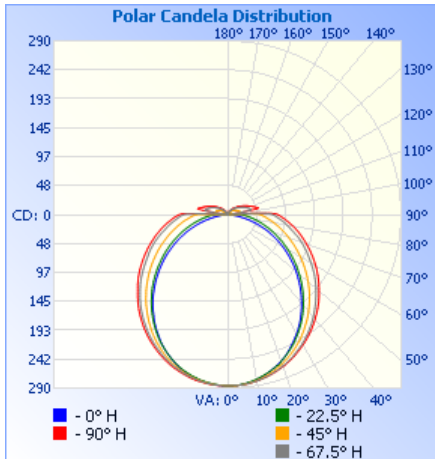
#### Driver Loading:

It is considered best practice to avoid 100% loading of drivers. Electrical input fluctuation, lamp load tolerances, and effects from heat of enclosed installations, can reduce any drivers maximum loading capability. Less than 80% of listed output wattage is recommended.

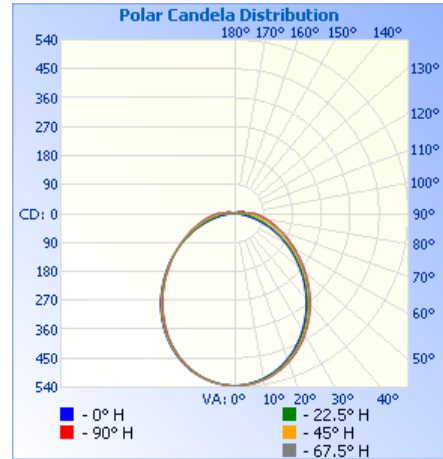
#### Dimming or Controls:

These lamps use an external driver, and can be dimmed when used in a system with a dimming capable driver. Controls should be paired or function with any selected driver. Note, typically any addition of dimming or control can impact total light output, as those devices consume some of the operating power normally used for lighting. Up to 20% output loss can be experienced in extreme situations, and is the result of combined driver, control, installation factors.

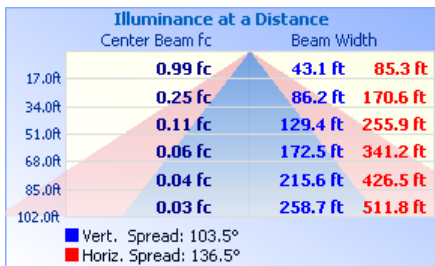
## 36RL41



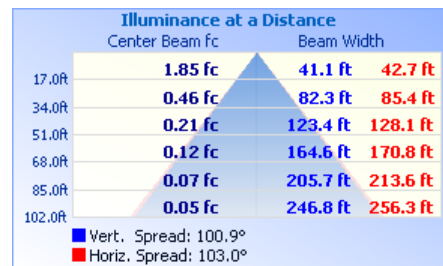
## 48RL41



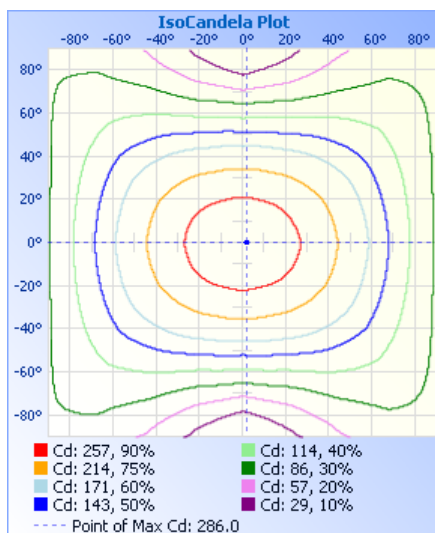
### Illuminance Plots



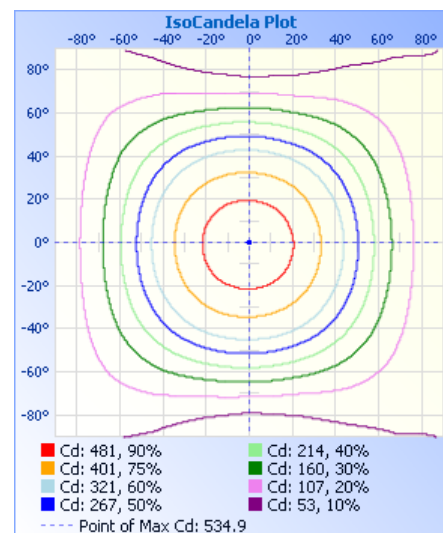
### Illuminance Plots



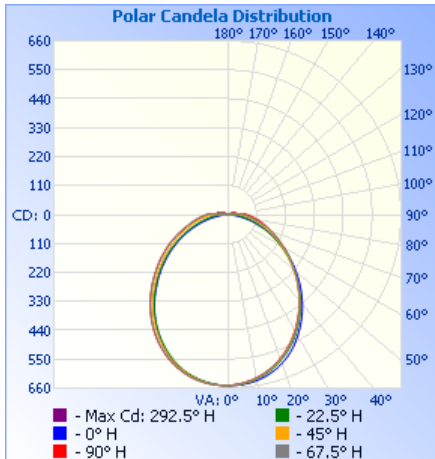
### Isocandela Diagram



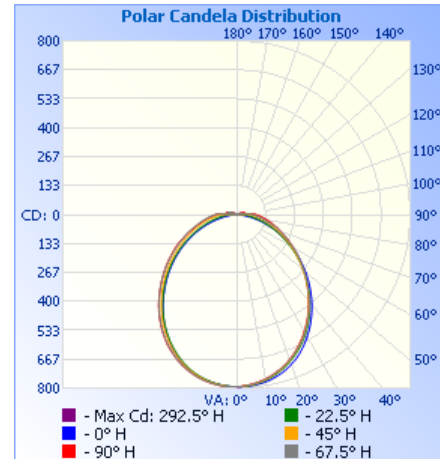
### Isocandela Diagram



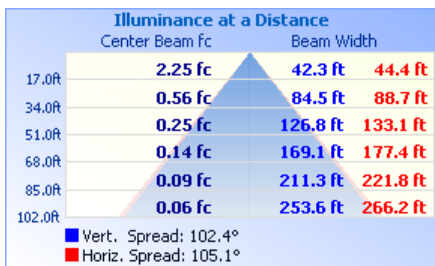
## 60RL41



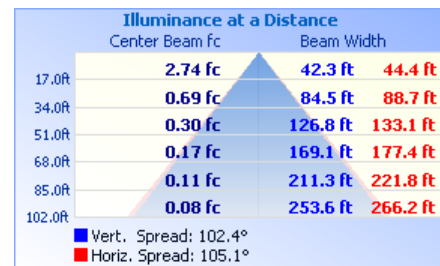
## 72RL41



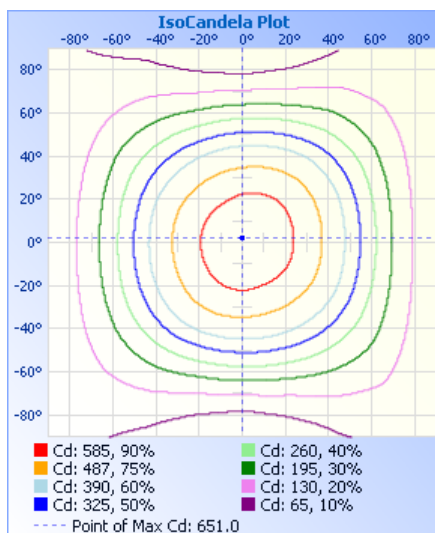
### Illuminance Plots



### Illuminance Plots



### Isocandela Diagram



### Isocandela Diagram

