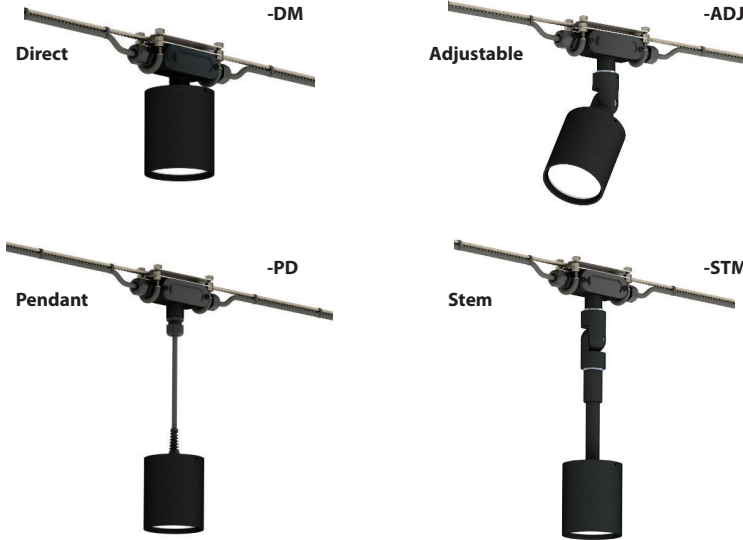


# DLCT : CATENARY

CATENARY MOUNT (IP65) 1000LM - 2600LM (10W - 30W)



- Energy efficient, low glare LED Chip-On-Board light engine
- Beam spreads include NS, SP, FL, WFL and 2° Pencil Beam
- Wall Wash Optics available
- Emergency back up available
- Integral power supply
- 5-Year Limited Warranty

## ORDERING : DLCT360B-L15-B20UE-D10-EMB-T27-LVR-DM

DLCT		Fixture	Fixture Finish	Lumen	Optics	Control	Emergency Options	LED	Options	Mount
<b>Fixture</b>		<b>Lumen</b>		<b>Control</b>		<b>LED</b>		<b>Options</b>		
4" Round	<b>DLCT340</b>	1000lm (10W)	<b>Blank</b>	Non-Dimming (120V)	<b>Blank</b>	4000K (90 CRI)	<b>-T40</b>			
4" Square	<b>DLCTQ340</b>	1500lm (15W)	<b>-L15</b>	ELV and Triac Dimming (120V)	<b>-DIN</b>	2700K (90 CRI)	<b>-T27</b>			
6" Round	<b>DLCT360</b>	2200lm (22W)	<b>-L20<sup>1</sup></b>	0-10V Dimming (120V/277V)	<b>UE-D10</b>	2700K (97 CRI)	<b>-T27-C97<sup>2</sup></b>			
		2600lm (30W)	<b>-L26<sup>1</sup></b>	UniDim™ 0-10V, ELV, Triac Dimming (120V/277V)	<b>UE-DUN<sup>3</sup></b>	3000K (90 CRI)	<b>-T30</b>			
<b>Fixture Finish</b>		<b>Optics</b>		<b>Emergency Options</b>		<b>LED</b>				
White	(RAL 9003)	<b>W</b>	<i>Standard Beams</i>	0-10V 1% Dimming (120V/277V)	<b>UE-D10P1</b>	5000K (80 CRI)	<b>-T50</b>			
Black	(RAL 9005)	<b>B</b>	Wide Flood	347V 0-10V Dimming (347V)	<b>-347-D10<sup>1,7</sup></b>	Amber - Limited Wavelength - 590nm (Turtle Safe with Louver)	<b>-TAM-LVR<sup>10</sup></b>			
Bronze	(RAL 8019)	<b>BZ</b>	Narrow Spot	Casambi Wireless Dimming (120V/277V)	<b>-DCSM<sup>8</sup></b>	RGB+W Control (24VDC)	<b>-RGBWV<sup>24</sup></b>			
Silver	(RAL 7037)	<b>S</b>	Spot	BubblyNet Wireless System (120V/277V)	<b>-DBNT<sup>8</sup></b>	<b>Options</b>				
Light Silver	(RAL 7036)	<b>LS<sup>2</sup></b>	Flood	SimplySnap Wireless System (120V/277V)	<b>-DSYN<sup>9</sup></b>	None				
Dark Gray	(RAL 7015)	<b>DG<sup>2</sup></b>		<b>Emergency Options</b>		Frosted Lens				
Metallic Gold	(RAL 1001)	<b>MG<sup>2</sup></b>		None	<b>Blank</b>	Hex-Cell Louver				
Metallic Black	(RAL 7021)	<b>MB<sup>2</sup></b>		Wall Mount	<b>-EMB<sup>6</sup></b>	Cold Weather				
				Emergency System		Glare Shield				
						Cable Cross Brace				
						Marine Grade Finish				
						<b>Mount</b>				
						Direct Mount	<b>-DM<sup>5</sup></b>			
						Adjustable	<b>-ADJ<sup>5</sup></b>			
						Pendant	<b>-PD<sup>5</sup></b>			
						Stem 6"	<b>-STM06<sup>5</sup></b>			
						Stem 12"	<b>-STM12<sup>5</sup></b>			
						Stem 18"	<b>-STM18<sup>5</sup></b>			
						Stem 24"	<b>-STM24<sup>5</sup></b>			
						Stem 36"	<b>-STM36<sup>5</sup></b>			

<sup>1</sup> For DLCT360 only.  
<sup>2</sup> Special Order. Minimum order, extended lead time may apply. Consult factory. (Finish options 50 piece minimum. 10-12 week lead time)  
<sup>3</sup> Starting temperature -30°C/-22°F; see p. 7.  
<sup>4</sup> Available with wireless bluetooth or DMX control. Consult factory for details. Remote power supplies and control gear may be required.  
<sup>5</sup> Standard color is black unless the fixture is ordered white, in which case it will be white.  
<sup>6</sup> Basic bronze (BZ) standard finish. Black (B), and Silver (S) finish available. Contact factory for pricing  
<sup>7</sup> Not compatible with 1000lm. 347V Input with 0-10V Dimming available only with 1500lm and above. Consult factory for lead times.  
<sup>8</sup> Special Order.  
<sup>9</sup> Special Order. Sent with surface mount JBOX to allow for direct-conduit entry.  
<sup>10</sup> (-TAM-LVR) option only available with 1000lm (10W).

Custom RAL Color: Please note that we appreciate custom finishes. Custom finishes are subject to a special paint setup fee for the quantity ordered. Extended lead times may apply. Consult Factory.

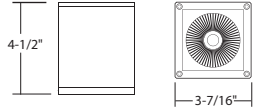
### COMPATABILITY



## SPECIFICATION

### Available Luminaires

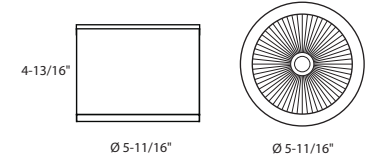
**DLCTQ340**  
4" square



**DLCT340**  
4" round



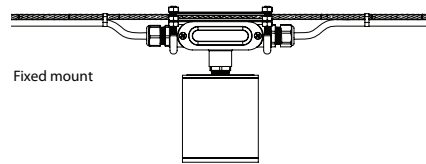
**DLCT360**  
6" round



### Mounting styles

**Direct**

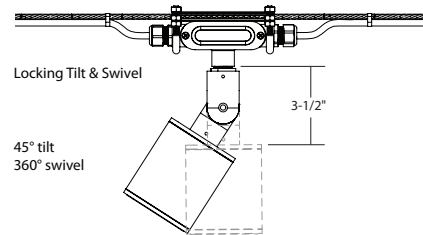
**-DM**



Fixed mount

**Adjustable**

**-ADJ**

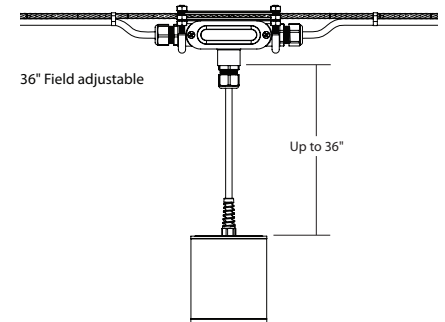


Locking Tilt & Swivel

45° tilt  
360° swivel

**Pendant**

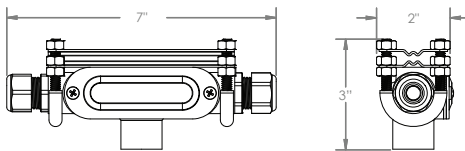
**-PD**



36" Field adjustable

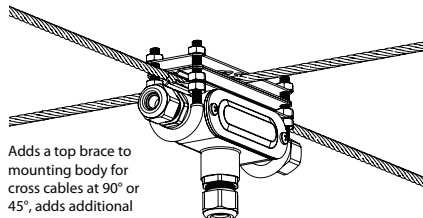
Up to 36"

**Catenary Mounting Body**



**Cable Cross Brace**

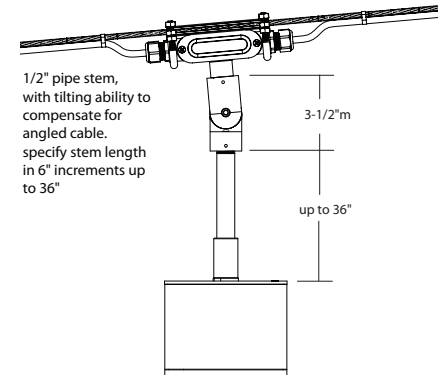
**-CXB**



Adds a top brace to mounting body for cross cables at 90° or 45°, adds additional support for stabilizing fixture movement from wind.

**Stem**

**-STM**



1/2" pipe stem, with tilting ability to compensate for angled cable. specify stem length in 6" increments up to 36"

3-1/2"

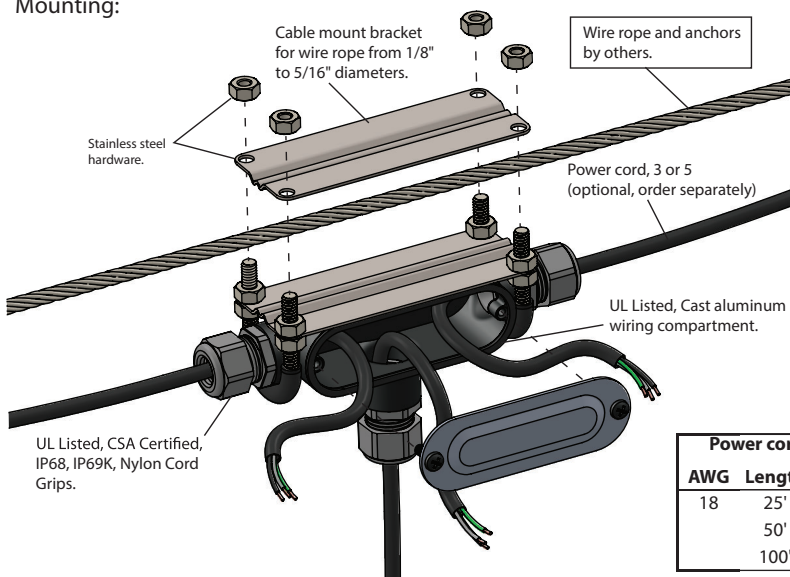
up to 36"

### Catenary Design

Due to the nature of catenary lighting, Catenary cables and their associated fittings, attachment, anchors along with masts, poles, or other structural elements, are provided by others. The safe design of these products requires an analysis of many factors that are unique to your building, site and project goals and should be done by a licensed structural engineer. LITON does not provide structural engineering services nor do we sell the main catenary cable or fittings. LITON's Catenary Mounting System is designed to allow the installation of certain LITON luminaires and their required wiring on a catenary cable. We can help determine what components to order from LITON as well as what details to provide to your structural engineer. Some architecture rms like Ronstan International specialize in Catenary design: [arch@ronstan.us](mailto:arch@ronstan.us)

## SPECIFICATION (Continued)

### Mounting:



Luminaires mount to a catenary mounting body constructed of cast aluminum. The catenary body is a U.L. listed wire way with an IP65 rating which uses stainless steel hardware to mount to wire rope by others.

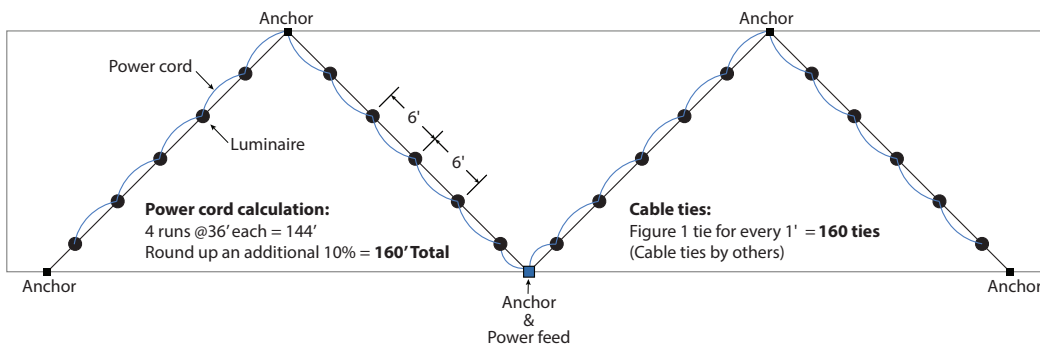
3 or 5 conductor SJTW power cord is available to order separately in 18 AWG. Determine overall run length required and add 10% to that length. Use approximately 1 cable tie per foot.

**3 Conductor Power cord** Enter feet  
 18 AWG **CATB318C +** \_\_\_\_\_

**For 0-10V dimming order:** Enter feet  
**5 Conductor Power cord**  
 18 AWG **CATB518C +** \_\_\_\_\_

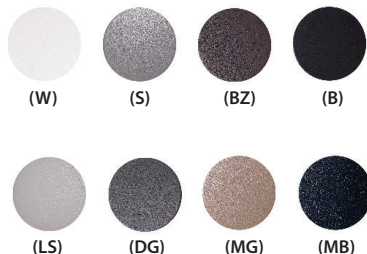
Power cord capacity		
AWG	Length	Max. AMP
18	25'	10
	50'	7
	100'	6

### Example Layout:



One possible layout shown for calculation purposes. Consult with structural engineer for load requirements.

### Finish:



A 7-stage electrostatic, polymer process provides an outdoor textured powder coat finish that delivers outstanding durability, superior anti-aging, resistance to corrosion and UV-degradation. Consult factory for Custom Color.

#### Standard Finishes:

White: RAL 9003 (W)  
 Silver: RAL 7037 (S)  
 Bronze: RAL 8019 (BZ)  
 Black: RAL 9005 (B)

#### Special Order Finishes:

Light Silver: RAL 7036 (LS)  
 Dark Gray: RAL 7015 (DG)  
 Metallic Gold: RAL 1001 (MG)  
 Metallic Black: RAL 7021 (MB)

### Certifications and Listings:



ETL / cETL Listed to UL1598 and UL8750 standards.

Suitable wet locations. (IP65)

Assembled in USA.

IK08 rated for impact resistance.

## SPECIFICATION (Continued)

**Caution:** LITON recommends use of surge protectors on the power entering LED Housings. Surge damage is not covered by warranty. (See option SRG)

### Warranty

Covered by a 5-Year Warranty to be free of defects in materials and craftsmanship. Fixture should not be installed in applications with ambient temperature above 50°C/122°F. Doing so will result in reduced lamp life and voided warranty.

### Housing

Luminaire housing is constructed from a one piece high grade aluminum extrusion. (Alloy 6061 <04% Cu). Faceplate (with a tempered glass lens) and top cap are of a robust die-cast aluminum alloy and are secured to the housing with (4)socket head tamper resistant stainless steel screws and seal the housing (top and bottom) using silicone gaskets.

### Optics

Multifaceted aluminum reflectors produce low glare illumination with multiple light control options.

### Standard Beam:

Used for maximum light output and visible field angle.

### LED

COB (Chip on Board) singular LED light source provides for smooth, uniform light output, eliminating the imaging produced by multiple LED source optics.

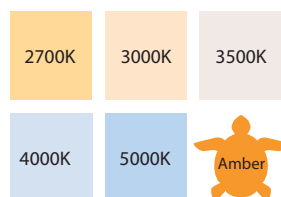
### Lumen Maintenance:

Lumen Maintenance is a minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results.

### Lumen Options (Nominal):

1000lm (10W) (Blank)  
 1500lm (15W) (-L15)  
 2200lm (22W) (-L20)  
 2600lm (30W) (-L26)

### Color Temperature:



Binned with 4-step MacAdam ellipses as per ANSI Standard recommendation.

COLOR TEMP:	2700K	3000K	3500K	4000K	5000K
CRI:	90, 97	90, 97	90	90	90

Amber: 590nm (Turtle Safe)

### RGB+W:



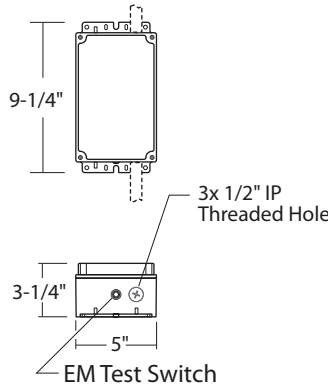
15W RGB+W LED module illuminates surfaces up to 10 feet away. Used for applications desiring a dynamic color changing effect. RGB+W design allows for ne-tuned pastel colors and saturated hues using a Casambi wireless interface for complete scene control and the ability to control fixtures separately or in groups.

## EMERGENCY BATTERY BACKUP

### Wall or Pole Mount (-EMB-SD/FC):

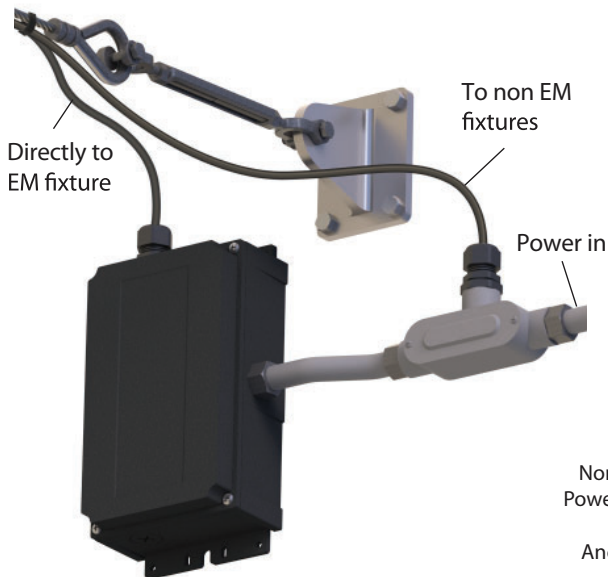
Eliminates need for long runs back to remote emergency battery location. Installs directly on building surface. Ideal for locations wanting same mounting aesthetics for Emergency and Non-Emergency fixtures. Can be fed from recessed wall mounted junction box from the back side or surface conduit from the side of box.

- Wet location rated.
- 120V-347V operation.
- Self diagnostic.
- Integral surge protector for emergency driver only.
- Includes (2) 1/2" NPT knock-outs.
- Optional -EMB-BLANK can be used to maintain a common aesthetic when -EMB-FC are used.

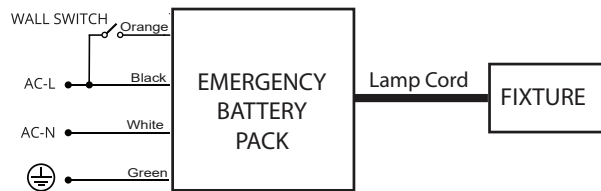


Output Power:	18 Watts (Max)
Input Power:	7 Watts (Max)
Emergency Operation:	≥90 minutes
Operating temp:	0°C/32°F to 50°C/122°F
Input Voltage:	120V-347 VAC
Battery:	Recyclable lithium battery
	24 Hour Recharge
	7-10 Year Life Expectancy
Charge Time:	24 hours
Max Distance:	25'
Weight:	3-3/4 lbs.
Warranty:	5-year
Surge Protection:	Integral 3,000V
Self-diagnostic testing:	Monthly 30 sec. test, Yearly 90 min. test to verify proper emergency operation per life safety code requirements.

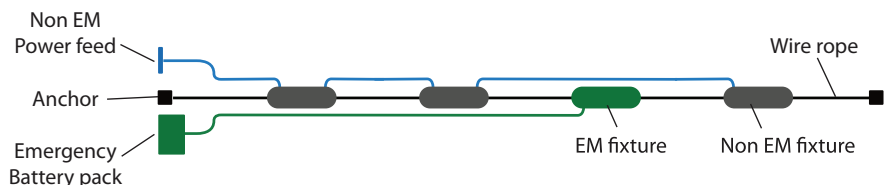
Run EM power cord along side non EM power cord and bypass non EM fixtures.



### (18W-40W)



### Example of possible layout with EM fixture



## SPECIFICATION (Continued)

### Electrical

LED Driver: AC 50/60Hz Electronic Direct Current Class 2 driver integrally mounted.  
 Power Factor > 0.90. See Dimming Section for voltage and wiring.

Minimum Operating Temperature:  
 Standard: -10°C/14°F  
 Cold Weather Option: (-CW) -30°C/-22°F

### Dimming Options

#### ELV and TRIAC Driver 120V (-DIN):

Compatible with electronic low voltage, and 2-Wire incandescent dimmers. Also known as leading edge, Reverse Phase, Forward Phase dimming. Allows smooth dimming down to 5% depending upon the dimmer's limitations.

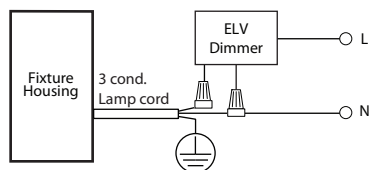
#### 0-10V Driver 120V/277V (UE-D10):

Compatible with most existing 0-10V systems. Also known as fluorescent or 5-Wire dimming. Allows smooth dimming down to 5% depending upon the dimmer's limitations. Compatible with daylight harvesting controls.

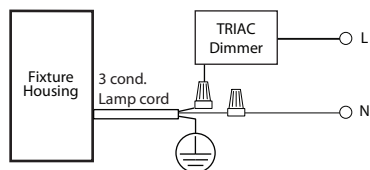
#### UniDim™ Driver 120V/277V (UE-DUN):

All in one ELV and TRIAC phase dimming (120V only), and 0-10V dimming (120V/277V). Works with most 3-Wire ELV, 2-Wire incandescent and 120V/277V 5-Wire 0-10V fluorescent dimmers.

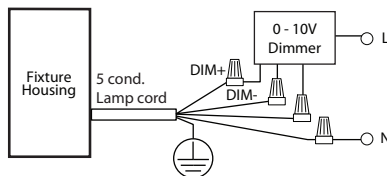
Incandescent/Phase Wiring  
ELV



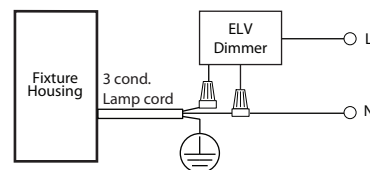
TRIAC



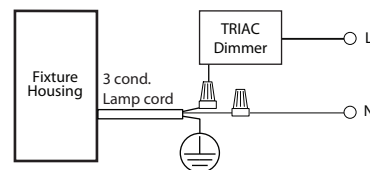
0 - 10V Wiring



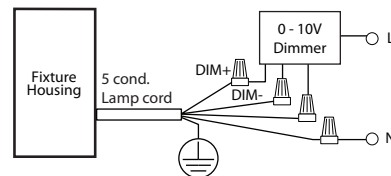
Incandescent/Phase Wiring  
ELV



TRIAC



0 - 10V Wiring



## SPECIFICATION (Continued)

### Marine Grade

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The fixture features a marine-grade textured powder coat finish engineered to withstand extreme environmental conditions, including prolonged exposure to UV radiation, salt air, and moisture, which are prevalent in coastal and high-humidity environments.

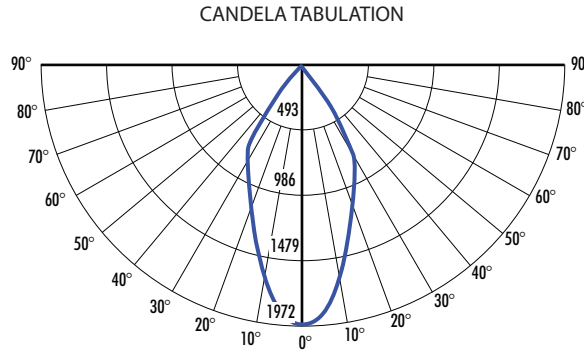
A multi-stage surface preparation, finishing, and curing process ensures maximum adhesion, durability, and corrosion resistance. The coating system undergoes rigorous salt spray (ASTM B117) testing, overbake resistance verification, and pencil hardness testing to validate its robustness against degradation.

The marine-grade powder coat is applied as a 30–50  $\mu\text{m}$  bottom layer, providing a strong anti-corrosion foundation. This is further enhanced by a surface coat using a standard architectural-grade powder application with a total thickness of 80–120  $\mu\text{m}$ , ensuring superior resistance to wear, impact, and environmental stressors.

## PHOTOMETRY

### DLCT340BZ-L15UE-DUN (1500lm, 15W, Wide Flood, 4000K)

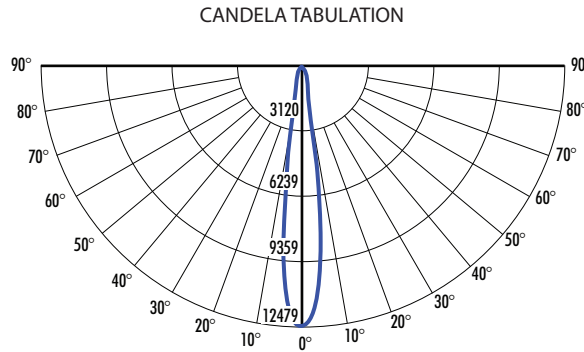
System Power:	15W	MULTIPLIERS	
Test Date:	12/2023	CCT	
Beam Angle 50%:	47.0°	2700K	0.88
Field Angle 10%:	77.7°	3000K	0.92
Color Temperature:	4139K	<b>3500K</b>	<b>1.00</b>
CRI:	93.4	<b>4000K</b>	<b>1.00</b>
Lumens Delivered:	1367	<b>5000K</b>	<b>1.00</b>
CBCP:	1972.2	LUMENS	
Power Factor:	0.93	1000lm (Blank)	0.72
Input Voltage:	120V	<b>1500lm (L15)</b>	<b>1.00</b>



Height	Beam Diameter											FC
	50°	40°	30°	20°	10°	0°	10°	20°	30°	40°	50°	
31.0'						27.0'						2
16.0'						13.9'						8
15.0'						13.0'						9
14.0'						12.2'						10
12.0'						10.4'						14
10.0'						8.7'						20
8.0'						7.0'						31
6.0'						5.2'						55
5.0'						4.4'						79
4.0'						3.5'						123

### DLCT340BZ-L15-B10UE-DUN (1500lm, 15W, Narrow Spot, 4000K)

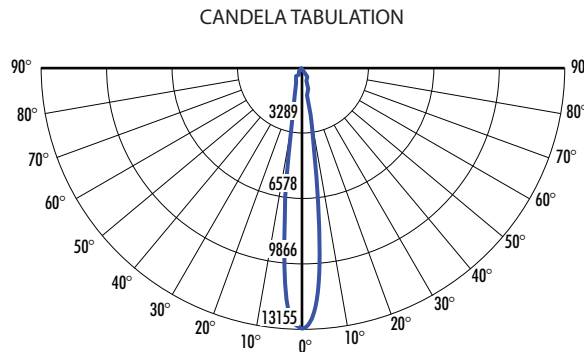
System Power:	15W	MULTIPLIERS	
Test Date:	12/2023	CCT	
Beam Angle 50%:	14.5°	2700K	0.88
Field Angle 10%:	29.3°	3000K	0.92
Color Temperature:	4138K	<b>3500K</b>	<b>1.00</b>
CRI:	93.4	<b>4000K</b>	<b>1.00</b>
Lumens Delivered:	1558	<b>5000K</b>	<b>1.00</b>
CBCP:	12478.6	LUMENS	
Power Factor:	0.93	1000lm (Blank)	0.73
Input Voltage:	120V	<b>1500lm (L15)</b>	<b>1.00</b>



Height	Beam Diameter											FC
	50°	40°	30°	20°	10°	0°	10°	20°	30°	40°	50°	
79.0'						20.1'						2
16.0'						4.1'						49
15.0'						3.8'						55
14.0'						3.6'						64
12.0'						3.1'						87
10.0'						2.5'						125
8.0'						2.0'						195
6.0'						1.5'						347
5.0'						1.3'						499
4.0'						1.0'						780

### DLCT340BZ-L15-B20UE-DUN (1500lm, 15W, Spot, 4000K)

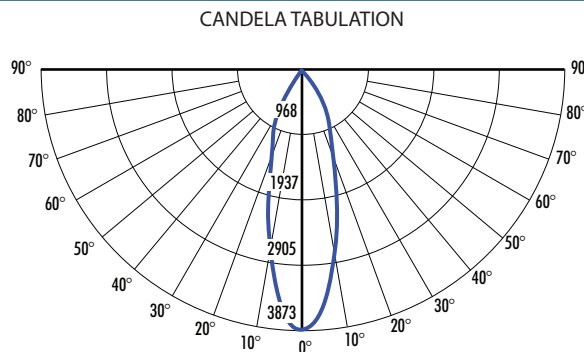
System Power:	15W	MULTIPLIERS	
Test Date:	12/2023	CCT	
Beam Angle 50%:	14.7°	2700K	0.88
Field Angle 10%:	27.5°	3000K	0.92
Color Temperature:	4150K	<b>3500K</b>	<b>1.00</b>
CRI:	92.6	<b>4000K</b>	<b>1.00</b>
Lumens Delivered:	1544	<b>5000K</b>	<b>1.00</b>
CBCP:	13155.12	LUMENS	
Power Factor:	0.93	1000lm (Blank)	0.74
Input Voltage:	120V	<b>1500lm (L15)</b>	<b>1.00</b>



Height	Beam Diameter											FC
	50°	40°	30°	20°	10°	0°	10°	20°	30°	40°	50°	
81.0'						20.9'						2
16.0'						4.1'						51
15.0'						3.9'						58
14.0'						3.6'						67
12.0'						6.1'						91
10.0'						2.6'						132
8.0'						2.1'						206
6.0'						1.6'						365
5.0'						1.3'						526
4.0'						1.0'						822

### DLCT340BZ-L15-B45UE-DUN (1500lm, 15W, Flood, 4000K)

System Power:	15W	MULTIPLIERS	
Test Date:	12/2023	CCT	
Beam Angle 50%:	30.4°	2700K	0.88
Field Angle 10%:	68.8°	3000K	0.92
Color Temperature:	4151K	<b>3500K</b>	<b>1.00</b>
CRI:	93.5	<b>4000K</b>	<b>1.00</b>
Lumens Delivered:	1556	<b>5000K</b>	<b>1.00</b>
CBCP:	3873.22	LUMENS	
Power Factor:	0.92	1000lm (Blank)	0.72
Input Voltage:	120V	<b>1500lm (L15)</b>	<b>1.00</b>



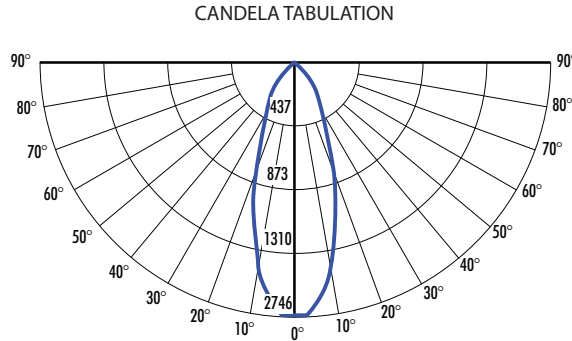
Height	Beam Diameter											FC
	50°	40°	30°	20°	10°	0°	10°	20°	30°	40°	50°	
44.0'						23.9'						2
16.0'						8.7'						15
15.0'						8.2'						17
14.0'						7.6'						20
12.0'						6.5'						27
10.0'						5.4'						39
8.0'						4.4'						61
6.0'						3.3'						108
5.0'						2.7'						155
4.0'						2.2'						242

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## PHOTOMETRY (Continued)

### DLCT340BZ-L15-B3060UE-DUN (1500lm, 15W, 30°x60°, 4000K)

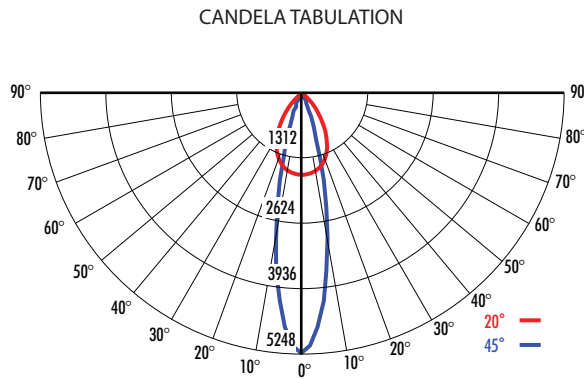
System Power:	15W	MULTIPLIERS	
Test Date:	12/2023	CCT	
Horizontal	62.7°	2700K	0.88
Beam Angle 50%:		3000K	0.92
Vertical	36.7	<b>3500K</b>	<b>1.00</b>
Beam Angle 50%:		<b>4000K</b>	<b>1.00</b>
Horizontal	106.6°	<b>5000K</b>	<b>1.00</b>
Field Angle 10%:		LUMENS	
Vertical	80.2	1000lm (Blank)	0.73
Field Angle 10%:		<b>1500lm (L15)</b>	<b>1.00</b>
Color Temperature:	4155K		
CRI:	93		
Lumens Delivered:	1534		
Lumens:	1540		
CBCP:	1746.30		
Power Factor:	0.92		
Input Voltage:	120V		



FOOTCANDLE DISTRIBUTION			
Height	Beam Width		FC
	50°	40°	30°
29.0'			2
16.0'		35.3'	7
15.0'		19.5'	8
14.0'		18.3'	9
12.0'		17.1'	12
10.0'		14.6'	17
8.0'		12.2'	27
6.0'		9.8'	49
5.0'		7.3'	70
4.0'		6.1'	109

### DLCT340BZ-L15-BVRUE-DUN (1500lm, 15W, Variable Beam, 4000K)

System Power:	15W	MULTIPLIERS	
Test Date:	02/2024	CCT	
Beam Angle 50%:	22.3°	2700K	0.88
(Min. Zoom)		3000K	0.92
Beam Angle 50%:	44.7°	<b>3500K</b>	<b>1.00</b>
(Max. Zoom)		<b>4000K</b>	<b>1.00</b>
Field Angle 10%:	44.0°	<b>5000K</b>	<b>1.00</b>
(Min. Zoom)		LUMENS	
Field Angle 10%:	76.5°	1000lm (Blank)	0.73
(Max. Zoom)		<b>1500lm (L15)</b>	<b>1.00</b>
Color Temperature:	4023K		
CRI:	93		
Lumens Delivered:	1063lm		
(Max. Zoom)			
Lumens Delivered:	1098lm		
(Min. Zoom)			
CBCP:	1664.57		
(Max. Zoom)			
CBCP:	5248		
(Min. Zoom)			
Power Factor:	0.99		
Input Voltage:	120V		



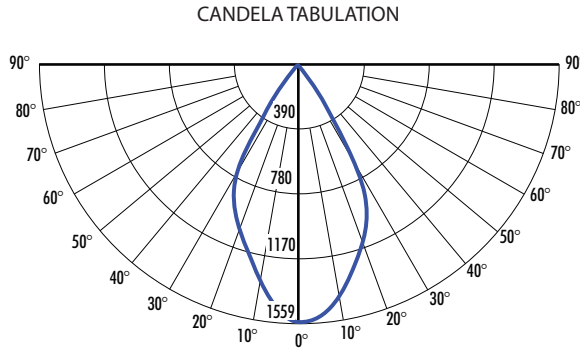
FOOTCANDLE DISTRIBUTION – 4" Variable Beam

Height	Beam Diameter		Footcandle	
	Min.	Max.	Min.	Max.
50'	19.7'	41'	2	n/a
40'	15.8'	33'	3	n/a
30'	11.8'	25'	6	2
20'	7.9'	16'	13	4
15'	5.9'	12'	23	7
10'	3.9'	8'	52	16
8'	3.2'	7'	81	26
6'	2.4'	5'	146	45
5'	2.0'	4'	207	66
4'	1.6'	3'	323	103

## PHOTOMETRY

### DLCTQ340W-L15UE-DUN (1500lm, 15W, Wide Flood, 4000K)

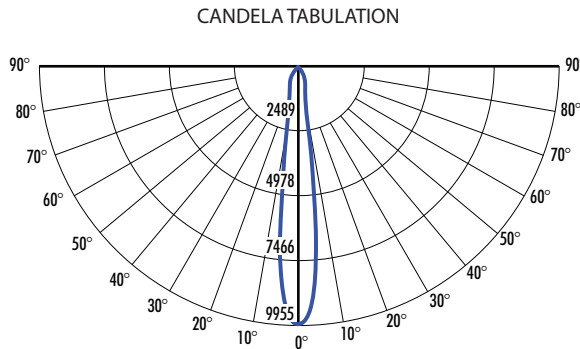
System Power:	15W	<b>MULTIPLIERS</b>	
Test Date:	12/2023	<b>CCT</b>	
Beam Angle 50%:	58.4°	2700K	0.88
Field Angle 10%:	81.1°	3000K	0.92
Color Temperature:	4140K	<b>3500K</b>	<b>1.00</b>
CRI:	92.8	<b>4000K</b>	<b>1.00</b>
Lumens Delivered:	1349	<b>5000K</b>	<b>1.00</b>
CBCP:	1558.83	<b>LUMENS</b>	
Power Factor:	0.92	1000lm (Blank)	0.73
Input Voltage:	120V	<b>1500lm (L15)</b>	<b>1.00</b>



Height	Beam Diameter		FC
	50°	40°	
16.0'	17.9'	6	
14.0'	15.7'	8	
12.0'	13.4'	11	
10.0'	11.2'	16	
8.0'	8.9'	24	
6.0'	6.7'	43	

### DLCTQ340W-L15-B10UE-DUN (1500lm, 15W, Narrow Spot, 4000K)

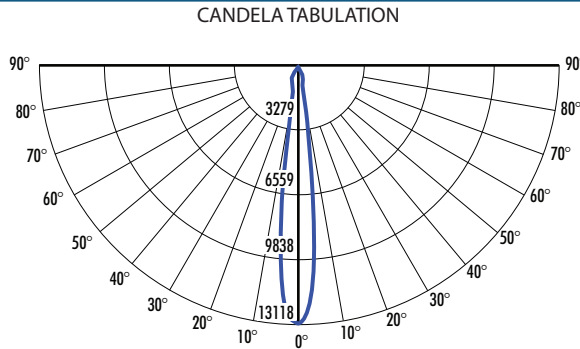
System Power:	15W	<b>MULTIPLIERS</b>	
Test Date:	12/2023	<b>CCT</b>	
Beam Angle 50%:	14.6°	2700K	0.88
Field Angle 10%:	33.0°	3000K	0.92
Color Temperature:	4148K	<b>3500K</b>	<b>1.00</b>
CRI:	93.2	<b>4000K</b>	<b>1.00</b>
Lumens Delivered:	1481	<b>5000K</b>	<b>1.00</b>
CBCP:	9955.21	<b>LUMENS</b>	
Power Factor:	0.93	1000lm (Blank)	0.72
Input Voltage:	120V	<b>1500lm (L15)</b>	<b>1.00</b>



Height	Beam Diameter		FC
	50°	40°	
16.0'	4.1'	39	
14.0'	3.6'	51	
12.0'	3.1'	69	
10.0'	2.6'	100	
8.0'	2.1'	156	
6.0'	1.5'	277	

### DLCTQ340W-L15-B20UE-DUN (1500lm, 15W, Spot, 4000K)

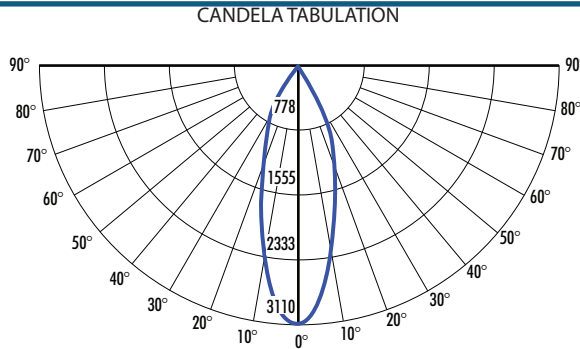
System Power:	15W	<b>MULTIPLIERS</b>	
Test Date:	12/2023	<b>CCT</b>	
Beam Angle 50%:	13.3°	2700K	0.88
Field Angle 10%:	26.0°	3000K	0.92
Color Temperature:	4157K	<b>3500K</b>	<b>1.00</b>
CRI:	92.4	<b>4000K</b>	<b>1.00</b>
Lumens Delivered:	1528	<b>5000K</b>	<b>1.00</b>
CBCP:	13117.61	<b>LUMENS</b>	
Power Factor:	0.92	1000lm (Blank)	0.73
Input Voltage:	120V	<b>1500lm (L15)</b>	<b>1.00</b>



Height	Beam Diameter		FC
	50°	40°	
16.0'	3.7'	51	
14.0'	3.3'	67	
12.0'	2.8'	91	
10.0'	2.3'	131	
8.0'	1.9'	205	
6.0'	1.4'	364	

### DLCTQ340W-L15-B45UE-DUN (1500lm, 15W, Flood, 4000K)

System Power:	15W	<b>MULTIPLIERS</b>	
Test Date:	12/2023	<b>CCT</b>	
Beam Angle 50%:	32.9°	2700K	0.88
Field Angle 10%:	68.0°	3000K	0.92
Color Temperature:	4166K	<b>3500K</b>	<b>1.00</b>
CRI:	93.1	<b>4000K</b>	<b>1.00</b>
Lumens Delivered:	1482	<b>5000K</b>	<b>1.00</b>
CBCP:	3110.28	<b>LUMENS</b>	
Power Factor:	0.92	1000lm (Blank)	0.73
Input Voltage:	120V	<b>1500lm (L15)</b>	<b>1.00</b>



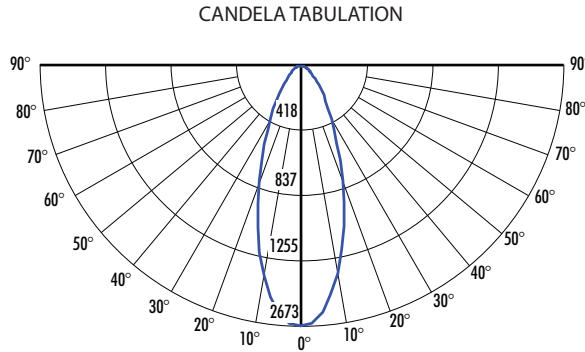
Height	Beam Diameter		FC
	50°	40°	
16.0'	9.5'	12	
14.0'	8.3'	16	
12.0'	7.1'	22	
10.0'	5.9'	31	
8.0'	4.7'	49	
6.0'	3.5'	86	

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## PHOTOMETRY (Continued)

### DLCTQ340W-L15-B3060UE-DUN (1500lm, 15W, 30°x60°, 4000K)

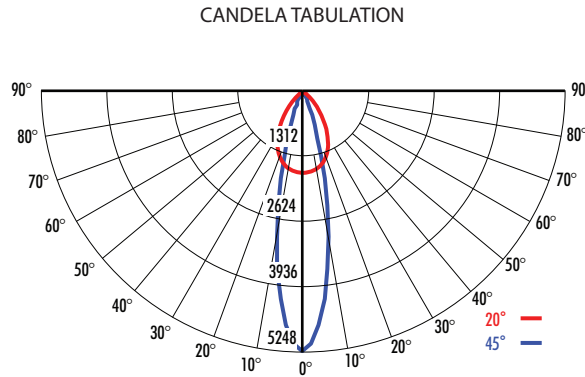
System Power:	15W	MULTIPLIERS	
Test Date:	12/2023	CCT	
Horizontal	64.9°	2700K	0.88
Beam Angle 50%:		3000K	0.92
Vertical	38.2	<b>3500K</b>	<b>1.00</b>
Beam Angle 50%:		<b>4000K</b>	<b>1.00</b>
Horizontal	109.8°	<b>5000K</b>	<b>1.00</b>
Field Angle 10%:		LUMENS	
Vertical	84.7	1000lm (Blank)	0.73
Field Angle 10%:		<b>1500lm (L15)</b>	<b>1.00</b>
Color Temperature:	4165K		
CRI:	92.8		
Lumens Delivered:	1624		
Lumens:	1629		
CBCP:	1746.30		
Power Factor:	0.90		
Input Voltage:	120V		



FOOTCANDLE DISTRIBUTION						
Height	Beam Width					FC
	50°	40°	30°	20°	10°	
29.0'					36.2'	2
16.0'					20.4'	7
15.0'					19.1'	8
14.0'					17.8'	9
12.0'					15.3'	12
10.0'					12.7'	17
8.0'					10.2'	26
6.0'					7.6'	46
5.0'					6.4'	67
4.0'					5.1'	105

### DLCTQ340W-L15-BVRUE-DUN (1500lm, 15W, Variable Beam, 4000K)

System Power:	15W	MULTIPLIERS	
Test Date:	02/2024	CCT	
Beam Angle 50%:	22.3°	2700K	0.88
(Min. Zoom)		3000K	0.92
Beam Angle 50%:	44.7°	<b>3500K</b>	<b>1.00</b>
(Max. Zoom)		<b>4000K</b>	<b>1.00</b>
Field Angle 10%:	44.0°	<b>5000K</b>	<b>1.00</b>
(Min. Zoom)		LUMENS	
Field Angle 10%:	76.5°	1000lm (Blank)	0.73
(Max. Zoom)		<b>1500lm (L15)</b>	<b>1.00</b>
Color Temperature:	4023K		
CRI:	93		
Lumens Delivered:	1063lm		
(Max. Zoom)			
Lumens Delivered:	1098lm		
(Min. Zoom)			
CBCP:	1664.57		
(Max. Zoom)			
CBCP:	5248		
(Min. Zoom)			
Power Factor:	0.99		
Input Voltage:	120V		



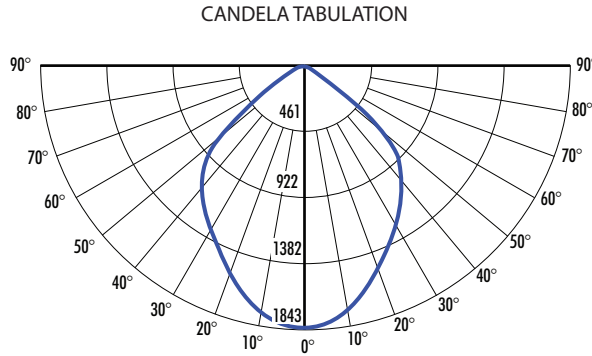
FOOTCANDLE DISTRIBUTION – 4" Variable Beam

Height	Beam Angle		Beam Diameter		Footcandle	
	25°	20°	15°	10°	Min.	Max.
50'					19.7'	41'
40'					15.8'	33'
30'					11.8'	25'
20'					7.9'	16'
15'					5.9'	12'
10'					3.9'	8'
8'					3.2'	7'
6'					2.4'	5'
5'					2.0'	4'
4'					1.6'	3'

## PHOTOMETRY

### DLCT360S-L26UE-DUN (2600lm, 30W, Wide Flood, 4000K)

System Power:	31W	MULTIPLIERS	
Test Date:	12/2023	CCT	
Beam Angle 50%:	91.0°	2700K	0.88
Field Angle 10%:	119.0°	3000K	0.92
Color Temperature:	4151K	<b>3500K</b>	<b>1.00</b>
CRI:	92.4	<b>4000K</b>	<b>1.00</b>
Lumens Delivered:	3138	<b>5000K</b>	<b>1.00</b>
CBCP:	1843.1	LUMENS	
Power Factor:	0.97	1000lm (Blank)	0.39
Input Voltage:	120V	1500lm (L15)	0.53
		2200lm (L20)	0.72
		<b>2600lm (L26)</b>	<b>1.00</b>

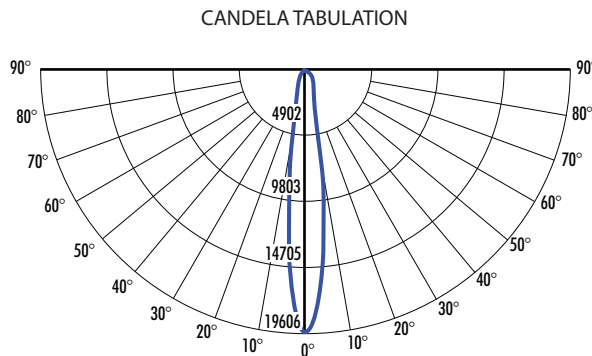


#### FOOTCANDLE DISTRIBUTION

Height	Beam Diameter											FC
	50°	40°	30°	20°	10°	0°	10°	20°	30°	40°	50°	
30.0'						61.1'						2
16.0'						32.6'						7
15.0'						30.5'						8
14.0'						28.5'						9
12.0'						24.4'						13
10.0'						20.4'						18
8.0'						16.3'						29
6.0'						12.2'						51
5.0'						10.2'						74
4.0'						8.1'						115

### DLCT360S-L26-B10UE-DUN (2600lm, 30W, Narrow Spot, 4000K)

System Power:	31W	MULTIPLIERS	
Test Date:	12/2023	CCT	
Beam Angle 50%:	14.9°	2700K	0.88
Field Angle 10%:	33.1°	3000K	0.92
Color Temperature:	4151K	<b>3500K</b>	<b>1.00</b>
CRI:	92.4	<b>4000K</b>	<b>1.00</b>
Lumens Delivered:	3106	<b>5000K</b>	<b>1.00</b>
CBCP:	19606.1	LUMENS	
Power Factor:	0.97	1000lm (Blank)	0.38
Input Voltage:	120V	1500lm (L15)	0.53
		2200lm (L20)	0.72
		<b>2600lm (L26)</b>	<b>1.00</b>

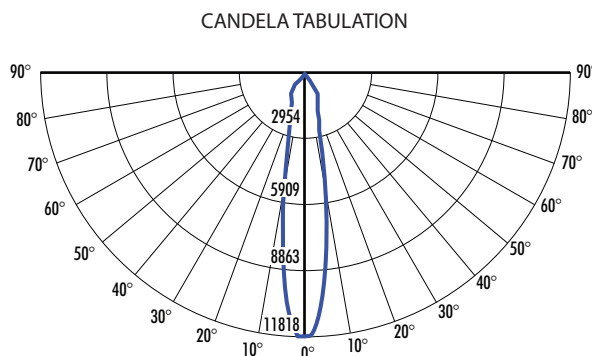


#### FOOTCANDLE DISTRIBUTION

Height	Beam Diameter											FC
	50°	40°	30°	20°	10°	0°	10°	20°	30°	40°	50°	
99.0'						25.9'						2
16.0'						4.2'						77
15.0'						3.9'						87
14.0'						3.7'						100
12.0'						3.1'						136
10.0'						2.6'						196
8.0'						2.1'						306
6.0'						1.6'						545
5.0'						1.3'						784
4.0'						1.1'						1125

### DLCT360S-L26-B20UE-DUN (2600lm, 30W, Spot, 4000K)

System Power:	31W	MULTIPLIERS	
Test Date:	12/2023	CCT	
Beam Angle 50%:	18.9°	2700K	0.88
Field Angle 10%:	62.3°	3000K	0.92
Color Temperature:	4151K	<b>3500K</b>	<b>1.00</b>
CRI:	92.4	<b>4000K</b>	<b>1.00</b>
Lumens Delivered:	2880	<b>5000K</b>	<b>1.00</b>
CBCP:	11817.5	LUMENS	
Power Factor:	0.97	1000lm (Blank)	0.38
Input Voltage:	120V	1500lm (L15)	0.53
		2200lm (L20)	0.72
		<b>2600lm (L26)</b>	<b>1.00</b>

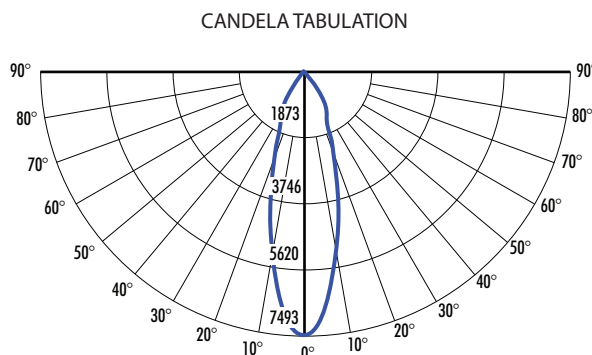


#### FOOTCANDLE DISTRIBUTION

Height	Beam Diameter											FC
	50°	40°	30°	20°	10°	0°	10°	20°	30°	40°	50°	
76.0'						25.3'						2
16.0'						5.3'						46
15.0'						5.0'						53
14.0'						4.7'						60
12.0'						4.0'						82
10.0'						3.3'						118
8.0'						2.7'						185
6.0'						2.0'						328
5.0'						1.7'						473
4.0'						1.3'						739

### DLCT360S-L26-B45UE-DUN (2600lm, 30W, Flood, 4000K)

System Power:	31W	MULTIPLIERS	
Test Date:	12/2023	CCT	
Beam Angle 50%:	29.1°	2700K	0.88
Field Angle 10%:	71.1°	3000K	0.92
Color Temperature:	4151K	<b>3500K</b>	<b>1.00</b>
CRI:	92.4	<b>4000K</b>	<b>1.00</b>
Lumens Delivered:	3020	<b>5000K</b>	<b>1.00</b>
CBCP:	7492.8	LUMENS	
Power Factor:	0.97	1000lm (Blank)	0.28
Input Voltage:	120V	1500lm (L15)	0.38
		2200lm (L20)	0.72
		<b>2600lm (L26)</b>	<b>1.00</b>



#### FOOTCANDLE DISTRIBUTION

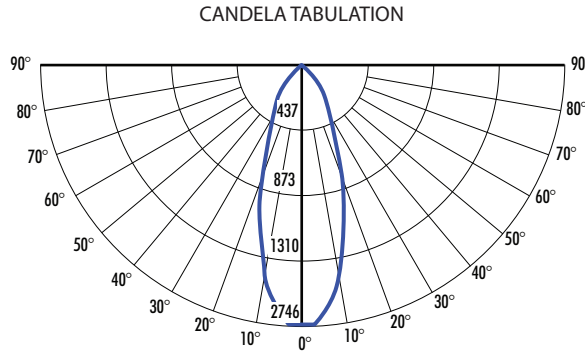
Height	Beam Diameter											FC
	50°	40°	30°	20°	10°	0°	10°	20°	30°	40°	50°	
61.0'						61.7'						2
16.0'						8.3'						29
15.0'						7.8'						33
14.0'						7.3'						38
12.0'						6.2'						52
10.0'						5.2'						75
8.0'						4.2'						117
6.0'						3.1'						208
5.0'						2.6'						300
4.0'						2.1'						468

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## PHOTOMETRY (Continued)

### DLCT360S-L26-B3060UE-DUN (2600lm, 30W, 30°x60°, 4000K)

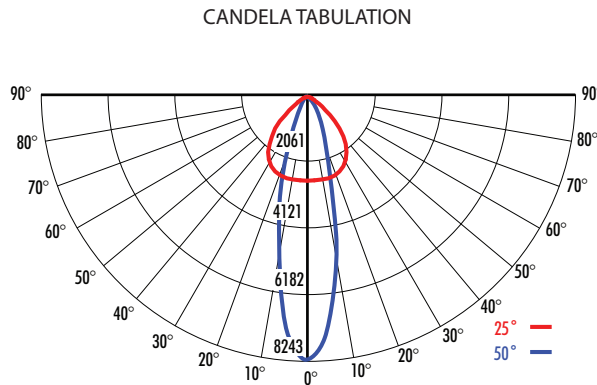
System Power:	31W	MULTIPLIERS	
Test Date:	12/2023	CCT	
Horizontal	40.4°	2700K	0.88
Beam Angle 50%:	67.1	3000K	0.92
Vertical	92.8°	<b>3500K</b>	<b>1.00</b>
Horizontal	119.9	<b>4000K</b>	<b>1.00</b>
Field Angle 10%:	3214.60	<b>5000K</b>	<b>1.00</b>
Vertical	0.97	LUMENS	
Field Angle 10%:	120V	1000lm (Blank)	0.39
Color Temperature:		1500lm (L15)	0.53
CRI:		2200lm (L20)	0.72
Lumens Delivered:		<b>2600lm (L26)</b>	<b>1.00</b>
CBCP:			
Power Factor:			
Input Voltage:			



FOOTCANDLE DISTRIBUTION											
Height	Beam Width		FC								
	50°	40°	30°	20°	10°	0°	10°	20°	30°	40°	50°
40.0'	53.1'										2
16.0'	21.2'										13
15.0'	19.9'										14
14.0'	18.6'										16
12.0'	15.9'										22
10.0'	13.3'										32
8.0'	10.6'										50
6.0'	8.0'										89
5.0'	6.6'										129
4.0'	5.3'										202

### DLCT360S-L26-BVRUE-DUN (2600lm, 30W, Variable Beam, 4000K)

System Power:	31W	MULTIPLIERS	
Test Date:	02/2024	CCT	
Beam Angle 50%:	24.7°	2700K	0.88
(Min. Zoom)		3000K	0.92
Beam Angle 50%:	51.0°	<b>3500K</b>	<b>1.00</b>
(Max. Zoom)		<b>4000K</b>	<b>1.00</b>
Field Angle 10%:	52.9°	<b>5000K</b>	<b>1.00</b>
(Min. Zoom)		LUMENS	
Field Angle 10%:	82.5°	1000lm (Blank)	0.39
(Max. Zoom)		1500lm (L15)	0.53
Color Temperature:	4092K	2200lm (L20)	0.72
CRI:	92.6	<b>2600lm (L26)</b>	<b>1.00</b>
Lumens Delivered:	2638lm		
(Max. Zoom)			
Lumens Delivered:	2458lm		
(Min. Zoom)			
CBCP:	3306.6		
(Max. Zoom)			
CBCP:	8243.5		
(Min. Zoom)			
Power Factor:	0.99		
Input Voltage:	120V		



FOOTCANDLE DISTRIBUTION – 4" Variable Beam

Height	Beam Diameter		Footcandle	
	Min.	Max.	Min.	Max.
64'	28.0'	61'	2	n/a
40'	17.5'	38'	5	2
30'	13.1'	29'	9	4
20'	8.8'	19'	21	8
15'	6.6'	14'	37	15
10'	4.4'	10'	83	33
8'	3.5'	8'	129	52
6'	2.6'	6'	229	92
5'	2.2'	5'	330	132
4'	1.8'	4'	515	207