

# DW-LP LED

Project Name:	
Type:	



**APPLICATION**

LED premium grade enclosed and gasket fixture. For use in both indoor and outdoor applications where dust and moisture resistance and other non-hazardous contaminants. It is often used in refrigerated areas, food processing facilities, kitchens, parking garages, car washes, schools, government facilities, public areas and industrial spaces with low to medium mounting heights.

**FEATURES:**

- Low profile designed weatherproof enclosure, one-piece 5VA fiberglass housing, NEMA 4X gasket.
- Impact Resistant Acrylic and Polycarbonate lenses available.
- The diffuser and upper components are locked into place by retaining latches, assuring a secure and tight seal.
- Captive non-metallic snap-action latch cam secures lens to housing. Optional stainless steel latch.
- White end plugs 1/2" Housing end holes (2) - Snaps and locks tight to maintain tight seal of unused end holes.
- Smooth edges for easy handling.
- Tamper resistant (TR) option prevents the lens from being removed by unauthorized personnel. Tamper proof driver cat. TRDT required (sold separately).

**MOUNTING:**

- Surface mount bracket provided as a standard (Stainless steel).
- Chain/cable, stem (single or double), 45 degree mount optional.

**LED:**

- Color Temperature: 2700/3000/3500/4000/5000 (K).
- LED Module: High efficiency up to 162 LPW.
- Calculated L70: 122,000 hours
- Reported L70: +60,000 hours
- Poke in wire connectors.
- Color Rendering Index: 80+ (optional>90).

**ELECTRICAL:**

- High power factor electronic driver, operate from a 120~277 Vac input range, 50 / 60 Hz.
- Philips Xitanium: 0-10V Dim to 1%(PH).
- Osram Optotronic: 0-10V Dim to 1%(OS1) or 10%(OS).
- Generic: 0-10V Dim to 10%(GR).
- Power Factor: +0.9
- Efficiency: +85%
- Ambient Operating Temperature: -22°F (-30°C) ~ 122°F (50°C) (Std.) -40°F (-40°C) ~ 122°F (50°C) (with LT option) -31°F (-35°C) ~ 140°F (60°C) (with HT option)
- Constant Current, Class 2

**<ELCU-200>**

- Guarantees emergency lighting remains ON or is turned on when power to the control device is lost.
- Interfaces with fire alarm panel or security system.
- "Watchdog" feature allows emergency loads to be controlled in tandem with normal power loads.
- UL listed for use in emergency circuits.

**LISTING:**

- ROHS.
- UL/CUL listed and labeled.
- Listed to UL 1598 and UL 8750.
- DLC listed. <sup>13</sup>
- Suitable for damp / wet location listed.
- IP Rating: IP65, IP66, and IP67.
- CEC Compliant EM (please contact for more information)
- Made in USA.
- ARRA and BAA compliant.
- 5 years limited warranty.
- NSF International certified.
- NSF Splash Zone 1 & 2 rated.
- U.S. Department of Agriculture.
- Canadian Standard Association.
- Nema 4X rated lens and housing.
- 1500 PSI hose-down.
- Bluetooth Mesh System available, please contact factory for more information.

# DW-LP LED

## CONFIGURATIONS (DIRA Lens)

	Model #	AC Input	Lumen Output	Lumen Efficiency
2FT	18LED	18W	2548 lm	141.5 lm/W
	20LED	20W	2831 lm	
	27LED	27W	3823 lm	
	36LED	36W	5097 lm	
4FT	18LED	18W	2548 lm	
	27LED	27W	3823 lm	
	36LED	36W	5097 lm	
	45LED	45W	6372 lm	
	56LED	56W	7930 lm	
	72LED	72W	10196 lm	
8FT	100LED	100W	14150 lm	
	36LED	36W	5097 lm	
	54LED	54W	7646 lm	
	72LED	72W	10196 lm	
	88LED	88W	12462 lm	
	112LED	112W	15861 lm	
	144LED	144W	20376 lm	
	170LED	170W	24055 lm	

: Based on 5000K.

## CONFIGURATIONS (DIRAFR Lens)

	Model #	AC Input	Lumen Output	Lumen Efficiency
2FT	18LED	18W	2409 lm	133.8 lm/W
	20LED	20W	2677 lm	
	27LED	27W	3613 lm	
	36LED	36W	4819 lm	
4FT	18LED	18W	2409 lm	
	27LED	22W	3613 lm	
	36LED	36W	4819 lm	
	45LED	45W	6023 lm	
	56LED	56W	7496 lm	
	72LED	72W	9638 lm	
8FT	100LED	100W	13380 lm	
	36LED	36W	4819 lm	
	54LED	54W	7228 lm	
	72LED	72W	9638 lm	
	88LED	88W	11780 lm	
	112LED	112W	14993 lm	
	144LED	144W	19267 lm	
	170LED	170W	22746 lm	

: Based on 3500K.

## CONFIGURATIONS (W Distribution)

	Model #	AC Input	Lumen Output	Lumen Efficiency
2FT	18LED	18W	2288 lm	127 lm/W
	20LED	20W	2543 lm	
	27LED	27W	3433 lm	
	36LED	36W	4577 lm	
4FT	18LED	18W	2288 lm	
	27LED	22W	3433 lm	
	36LED	36W	4577 lm	
	45LED	45W	5721 lm	
	56LED	56W	7121 lm	
	72LED	72W	9156 lm	
8FT	100LED	100W	12700 lm	
	36LED	36W	4577 lm	
	54LED	54W	6865 lm	
	72LED	72W	9156 lm	
	88LED	88W	11191 lm	
	112LED	112W	14240 lm	
	144LED	144W	18288 lm	
	170LED	170W	21590 lm	

: Based on 4000K.

## CONFIGURATIONS (PG Distribution)


	Model #	AC Input	Lumen Output	Lumen Efficiency
2FT	18LED	18W	2141 lm	118.9 lm/W
	20LED	20W	2379 lm	
	27LED	27W	3212 lm	
	36LED	36W	4282 lm	
4FT	18LED	18W	2141 lm	
	27LED	22W	3212 lm	
	36LED	36W	4282 lm	
	45LED	45W	5721 lm	
	56LED	56W	7121 lm	
	72LED	72W	8565 lm	
8FT	100LED	100W	11890 lm	
	36LED	36W	4282 lm	
	54LED	54W	6421 lm	
	72LED	72W	8565 lm	
	88LED	88W	10470 lm	
	112LED	112W	13325 lm	
	144LED	144W	17121 lm	
	170LED	170W	20213 lm	

: Based on 4000K.


# DW-LP LED

ORDERING INFORMATION

EXAMPLE: DW-LP-4-45LED-50K-HE-UNV-PIRA

MODEL	LENGTH	LED	COLOR TEMP.	EFFICACY	CRI	VOLTAGE		
DW-LP	2 2' Length	18LED	18W LED	-27K	2700K	HE High Efficacy (Std.) 	(Blank) 80+ CRI C9 90+ CRI <sup>4</sup>	UNV 120-277V 120 120V 277 277V 347 347V
		20LED	20W LED	-30K	3000K			
		27LED	27W LED	-35K	3500K			
	4 4' Length	36LED	36W LED	-40K	4000K			
		18LED	18W LED	-50K	5000K			
		27LED	27W LED					
		36LED	36W LED					
		45LED	45W LED					
		56LED	56W LED					
8 8' Length	72LED	72W LED						
	100LED	100W LED						
	36LED	36W LED						
	54LED	54W LED						
	72LED	72W LED						
		88LED	88W LED					
		112LED	112W LED					
		144LED	144W LED					
		170LED	170W LED					

\* Contact factory for custom wattage or lumen requirement.

DIFFUSER <sup>9</sup>		LED DRIVER		DISTRIBUTION	
<b>PIRA</b>	Polycarbonate, Linear Ribbed Clear Lens	<b>GR</b>	Generic, 0-10V 10% dim (Std.) <sup>3</sup>	<b>(Blank)</b>	Normal
<b>PIRAFR</b>	Polycarbonate, Linear Ribbed Frosted Lens	<b>DM1</b>	Generic 0-10V 1% dim		
<b>DIRA</b>	Impact resistant acrylic, Linear Ribbed Clear Lens (Std.)	<b>PH</b>	Philips Xitanium, 0-10V 1% dim <sup>3</sup>	<b>W</b>	Wide
<b>DIRAFR</b>	Impact resistant acrylic, Linear Ribbed Frosted Lens	<b>OS</b>	Osram Optotronic, 0-10V 10% dim <sup>3,6</sup>	<b>PG</b>	Parking Garage
<b>PCC</b>	Polycarbonate smooth clear lens	<b>OS1</b>	Osram Optotronic, 0-10V 1% dim <sup>3,6</sup>	* W and PG distribution: only available with IACD or IAFD lens option.	
<b>PCF</b>	Polycarbonate smooth frosted lens	<b>SD40</b>	40% / 100% Bi-Level Step dim (PH only)		
<b>IAC</b>	Impact resistant acrylic, smooth clear lens	<b>SDXX</b>	XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%) (PH only)		
<b>IAF</b>	Impact resistant acrylic, smooth frosted lens	<b>TD30/70</b>	30% / 70% / 100% Tri-Level Step dim (PH only)		
<b>IACD</b>	Deep impact resistant acrylic clear lens	<b>TDXX/YY</b>	XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%) (PH only)		
<b>IAFD</b>	Deep impact resistant acrylic frosted lens	<b>ES566</b>	eldoLED SOLOdrive Natural Dimming to dark, 0-10V, 100% ~ 0.1% dim		
<b>NPIRA</b>	Polycarbonate, Narrow Linear Ribbed Clear Lens	<b>LDE1</b>	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim		
<b>NPIRAFR</b>	Polycarbonate, Narrow Linear Ribbed Frosted Lens	 <b>BLT</b>	Bluetooth Mesh System (contact factory for more information)		
<b>NDIRA</b>	Impact resistant acrylic, Narrow Linear Ribbed Clear Lens (Std.)				
<b>NDIRAFR</b>	Impact resistant acrylic, Narrow Linear Ribbed Frosted Lens				
<b>NPCC</b>	Polycarbonate, Narrow smooth clear lens				
<b>NPFC</b>	Polycarbonate, Narrow smooth frosted lens				
<b>NIAC</b>	Impact resistant acrylic, Narrow smooth clear lens				
<b>NIACF</b>	Impact resistant acrylic, Narrow smooth frosted lens				

# DW-LP LED

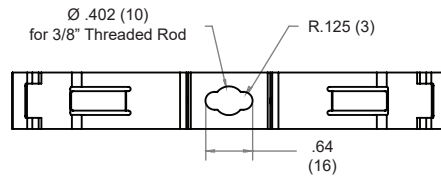
MOUNTING		OPTIONS	
<b>(Blank)</b>	Surface Mount (Stainless steel)	<b>EMG8</b>	1296 LUMEN EM Battery Backup (CEC Compliant EM) <sup>1,2</sup>
<b>45D</b>	45 Degree Mount (Stainless steel) <sup>12</sup>	<b>EMG15</b>	2430 LUMEN EM Battery Backup (CEC Compliant EM) <sup>1,2</sup>
<b>SP</b>	Single: 1/2" stem pipe (2ft fixture only)	<b>EMG20</b>	3240 LUMEN EM Battery Backup (CEC Compliant EM) <sup>1,2</sup>
<b>DP</b>	Double: 3/8" threaded rod (by others)	<b>EMG25</b>	4050 LUMEN EM Battery Backup (CEC Compliant EM) <sup>1,2</sup>
<b>CCP</b>	Chain or Cable	<b>CWEM6</b>	6W EM Cold Weather -4°F (-20°C) ~ 131°F (55°C)
		<b>ELCU-200</b>	Fail-to-on Emergency lighting, UL924 <sup>5</sup>
		<b>GTD</b>	Bodine Generator Transfer Device
		<b>GTD10DIM</b>	Bodine Generator Transfer Device (0-10VDC Dimmer Override)
		<b>GLR</b>	Fast Blow Fuse <sup>1</sup>
		<b>GMF</b>	Slow Blow Fuse <sup>1</sup>
		<b>SSL</b>	316 Stainless Steel Latch
		<b>TRCP</b>	Tamper-proof plastic latch
		<b>TRDT</b>	Tamper-proof Driver Tool
		<b>DC011</b>	One end 1/2" Hub. Water Tight Die Cast Fitting
		<b>DC012</b>	Both ends 1/2" Hub. Water Tight Die Cast Fitting
		<b>DC021</b>	One end 3/4" Hub. Water Tight Die Cast Fitting
		<b>DC022</b>	Both ends 3/4" Hub. Water Tight Die Cast Fitting
		<b>WMS</b>	Wet Location Occupancy Sensor
		<b>WDMS</b>	Wet Location Day Light Motion Sensor, Fail on
		<b>LRD-509S-x</b>	Fixture external mount 0-10V SmartDIM or multi-level high/low dim control occupancy sensor, Fail on (*IR remote programmable), (See note 8 to select lens for "x") <sup>7,10</sup>
		<b>LMS-109</b>	Microwave Occupancy/Ambient Light Sensor
		<b>LT</b>	Low Temperature for freezer (-40°F (-40°C) ~ 122°F (50°C))
		<b>HT</b>	High Temperature (-31°F (-35°C) ~ 140°F (60°C))
		<b>AMB</b>	Anti-Microbial Coating (Matte Skye White)
		<b>HC403</b>	Microwave bi-level Occupancy Sensor, adjustable via DIP switch <sup>11</sup>
		<b>HRC-05</b>	Handheld Remote for HC403v
		<b>EFS01RE</b>	Fixture External mount 0-10V Bi-Level Dimming Occupancy PIR Sensor. Daylight Harvesting. (adjustable by Remote Control only-RM51)
		<b>RM51</b>	Handheld Remote for EFS01RE

LIGHTING CONTROL SYSTEM	
<b>PPA102S</b>	<Bluetooth> Bluetooth Powerpack (Consult factory for installation location)

NOTES:

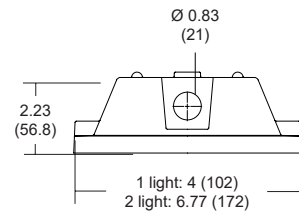
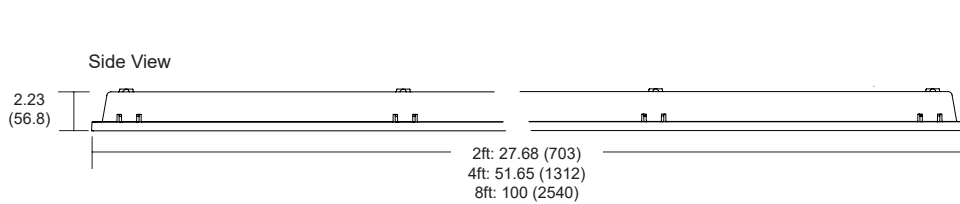
1. Must specify voltage, not available with 347V.
2. Contact factory for other emergency ballast options.
3. To find an approved dimmer switch, please see table 1.
4. Lumen per watt is around 15% less than standard CRI (80+).
5. Shipped separately.
6. Std. temperature ranges from -22°F(-30°C) ~ 122°F(50°C).  
DW-LP4&8-72LED,88LED,100LED ranges from -40°F(-40°C) ~ 122°F(50°F).
7. Its default setting can be found on the IR-TEC installation instructions.
8. **A:** Standard cone shape Lens @ 15' height (up to 30' coverage)  
**B:** Extra wide cone shape Lens @ 10' height (up to 60' coverage)  
**C:** High bay cone shape Lens @ 30' height (up to 90' coverage)  
**D:** Standard round shape Lens @ 20' height (up to 40' coverage)  
**F:** Extra wide dome shape Lens @ 20' height (up to 80' coverage)  
**G:** Aisle way arch shape Lens @ 40' height (up to 120' coverage)
9. Refer to diffuser chart for compatibility.
10. Order "RS-LRD" to adjust sensor setting.
11. Integrated Microwave bi-level Occupancy Sensor, adjustable via DIP switch(Mounted inside fixture).
12. Not available with narrow body.
13. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified.  
Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

# DW-LP LED



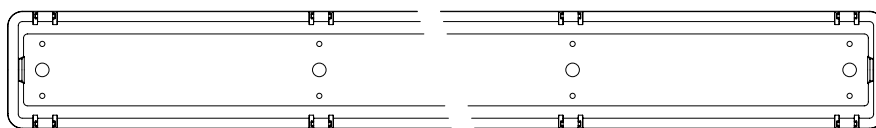
Bracket for DP option

**DIMENSION:**

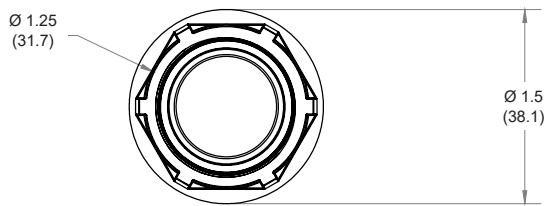


All dimensions are in inches (millimeters).

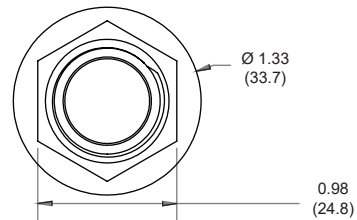
Interior View



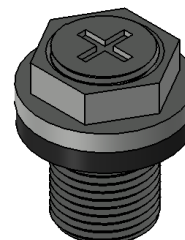
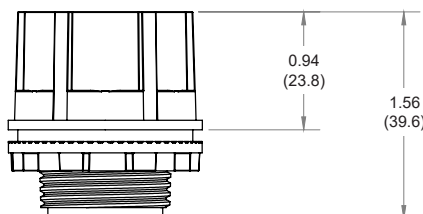
Top View



DC01



DC02



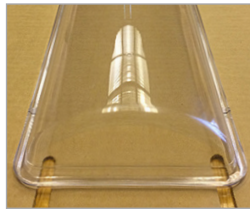
# DW-LP LED



**PIRA, DIRA**  
Linear Ribbed Clear Lens



**PIRAFR, DIRAFR**  
Linear Ribbed Frosted Lens



**PCC, IAC**  
Smooth Clear Lens



**PCF, IAF**  
Smooth Frosted Lens



**IACD**  
Deep Impact Resistant Clear Lens



**IAFD**  
Deep Impact Resistant Frosted Lens



**NPIRA, NDIRA**  
Narrow Linear Ribbed Clear Lens



**NPIRAFR, NDIRAFR**  
Narrow Linear Ribbed Frosted Lens

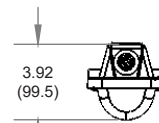


**NPCC, NIAC**  
Narrow Smooth Clear Lens



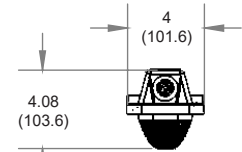
**NPCF, NIAF**  
Narrow Smooth Frosted Lens

**NPCC, NPCF, NIAC, NIAF Lens**



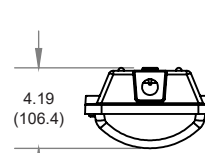
DW-LP-4-N

**NPIRA, NDIRA, NPIRAFR, NDIRAFR Lens**



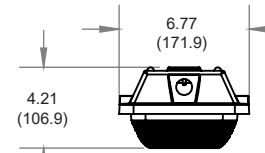
DW-LP-4-N

**PCC, PCF, IAC, IAF Lens**



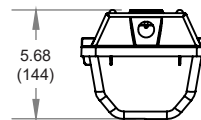
DW-LP

**PIRA, DIRA, PIRAFR, DIRAFR Lens**

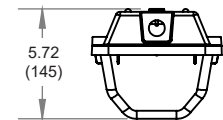


DW-LP

**IACD, IACF Lens**



DW-LP-2

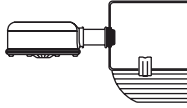


DW-LP-4/8

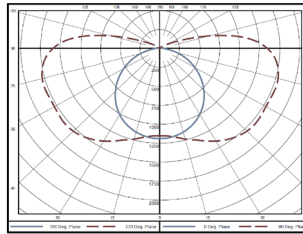
## DIFFUSER

	2FT	4FT	8FT	
PIRA	O	O	X	Polycarbonate, Linear Ribbed Clear Lens
PIRAFR	O	O	X	Polycarbonate, Linear Ribbed Frosted Lens
DIRA	O	O	O	Impact resistant acrylic, Linear Ribbed Clear Lens
DIRAFR	O	O	O	Impact resistant acrylic, Linear Ribbed Frosted Lens
PCC	O	O	O	Polycarbonate, smooth clear lens
PCF	O	O	O	Polycarbonate, smooth frosted lens
IAC	O	O	O	Impact resistant acrylic, smooth clear lens
IAF	O	O	O	Impact resistant acrylic, smooth frosted lens
IACD	O	O	O	Deep impact resistant acrylic clear lens
IAFD	O	O	O	Deep impact resistant acrylic frosted lens
NPIRA	X	O	X	Polycarbonate, Narrow Linear Ribbed Clear Lens
NPIRAFR	X	O	X	Polycarbonate, Narrow Linear Ribbed Frosted Lens
NDIRA	X	O	X	Impact resistant acrylic, Narrow Linear Ribbed Clear Lens
NDIRAFR	X	O	X	Impact resistant acrylic, Narrow Linear Ribbed Frosted Lens
NPCC	X	O	X	Polycarbonate, Narrow smooth clear lens
NPCF	X	O	X	Polycarbonate, Narrow smooth frosted lens
NIAC	X	O	X	Impact resistant acrylic, Narrow smooth clear lens
NIAF	X	O	X	Impact resistant acrylic, Narrow smooth frosted lens

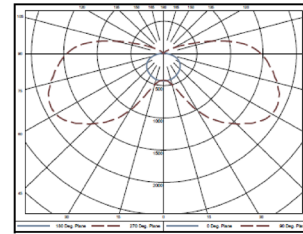
# LED GASKET ENCLOSURE VAPORTITE



WMS, WDMS, LOD-500S-x



W Distribution : wide

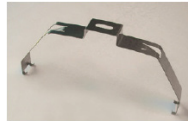


PG Distribution : parking garage

## MOUNTING INFORMATION:



Surface Mount (Std.)



Chain/Cable Pendant Mount



Single/Double Pendant Mount



45 Degree Mount



## APPROVED DIMMER SWITCH (TABLE 1)

	Manufacturer	Manufacturer Part #
GR	LUTRON	NTSTV-DV
	LEVITON	IP710-DLZ
PH	LUTRON	Nova: NFTV- dimmer plus PP-DV relay pack(s) Nova T: NTSTV-DV-dimmer Diva: DVTV-dimmer, DVSCSTV-dimmer, plus PP-DV relay pack(s), DVSTV-dimmer, DVSCSTV-dimmer GRAFIK Eye QS: QSGRJ-XP, plus GRX-TVI 0-10V interface GRAFIK Eye QS with EcoSystem: QSGRJ-XE, QSGR-XE, plus GRX-TVI 0-10V interface PowPak: RMJ-5T
	LEVITON	Leviton: IP710-LFZ
	PHILIPS	Sunrise - SR1200ZTUNV
OS, OS1	OSRAM	ZBHA-CLM DIM (NAED:45678)
	ENCELIUM EMS	EN-LCM-1R10V-GB2-BK, EN-LCM-1R10V-GB2-BK/DR, EN-ALC-1R10V-GB2-BK, EN-ALC-1R10V-GB2-BK-DR
	LEVITON	IP710-DLX
	LUTRON	DVTV-XX
	WATTSTOPPER	ADF-120277
	SYNERGY LIGHTING CONTROLS	ISD BC
	WATTSTOPPER	FD-301
	WATTSTOPPER	FSP-202
ENLIGHTED INC.	SU-3E-00 (Enlighted Compact Sensor)	

\* If you want other specific kind, please contact us.

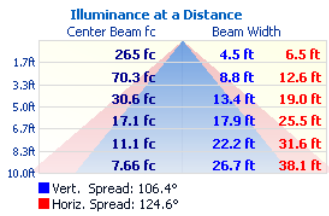
## HC403 FACTORY SETTING (TABLE 2)

Detection Area	100%
Hold-time	5 sec
Daylight sensor	Disable
Stand-by period (tri-level control)	10 sec
Stand-by dimming level	10%

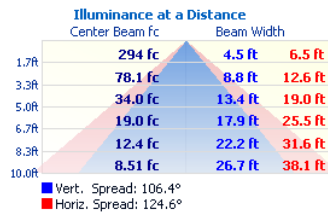
\* See a separate attachment to find more setting options.

# DW-LP LED

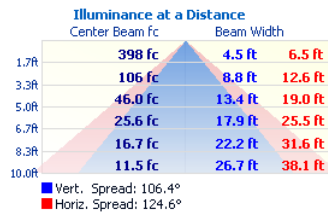
DW-LP-2-18LED



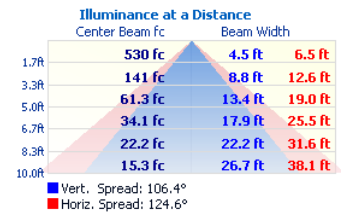
DW-LP-2-20LED



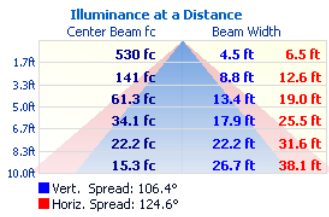
DW-LP-2-27LED



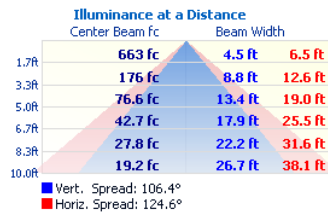
DW-LP-2-36LED



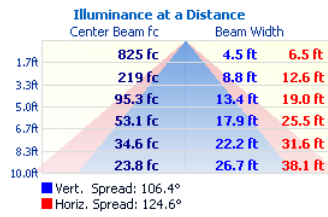
DW-LP-4-36LED



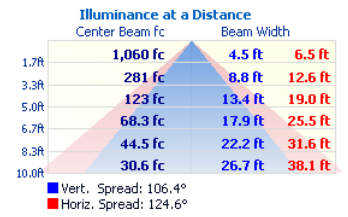
DW-LP-4-45LED



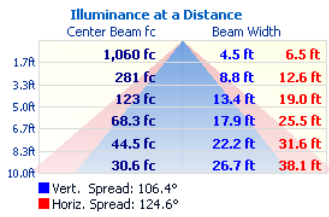
DW-LP-4-56LED



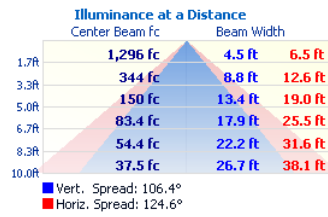
DW-LP-4-72LED



DW-LP-8-72LED



DW-LP-8-88LED



DW-LP-8-112LED

