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 efficency 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.
- 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.
- UL 746C certified
- DLC listed. [8]
- Suitable for damp / wet location listed.
- IP Rating: IP65, IP66, and IP67.
- CEC Compliant EM (please contact for more information)
- Made in USA.
- ARRA, BAA and BABA compliant as standard
- 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.

DIFFUSER

	2FT	4FT	8FT	
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

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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	
	100LED	100W	14150 lm	
8FT	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	
	100LED	100W	13380 lm	
8FT	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	
	100LED	100W	12700 lm	
8FT	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	
	100LED	100W	11890 lm	
8FT	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.

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DW-LP LED

ORDERING INFORMATION

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

MODEL	LENGTH		LED		COLOR TEMP.		EFFICACY		CRI		VOLTAGE	
DW-LP	2	2' Length	18LED	18W LED	-27K	2700K	HE	High Efficacy (Std.) 10%	(Blank)	80+ CRI	UNV	120-277V
			20LED	20W LED	-30K	3000K			C9	90+ CRI [5]	120	120V
			27LED	27W LED	-35K	3500K					277	277V
			36LED	36W LED	-40K	4000K					347	347V
			xx	Custom lumen or watt: ___LM or ___W * 2FT: max up to 4820lm or 36W.	-50K	5000K						
	4	4' Length	18LED	18W LED								
			27LED	27W LED								
			36LED	36W LED								
			45LED	45W LED								
			56LED	56W LED								
			72LED	72W LED								
			100LED	100W LED								
			xx	Custom lumen or watt: ___LM or ___W * 4FT: max up to 13380lm or 100W.								
	8	8' Length	36LED	36W LED								
			54LED	54W LED								
			72LED	72W LED								
			88LED	88W LED								
			112LED	112W LED								
			144LED	144W LED								
			170LED	170W LED								
			xx	Custom lumen or watt: ___LM or ___W * 4FT: max up to 22746lm or 170W.								

DIFFUSER [9]		LED DRIVER [4]		DISTRIBUTION	
DIRA	Impact resistant acrylic, Linear Ribbed Clear Lens (Std.)	GR	Generic, 0-10V 10% dim (Std.)	(Blank)	Normal
DIRAFR	Impact resistant acrylic, Linear Ribbed Frosted Lens	DM1	Generic 0-10V 1% dim	W	Wide
PCC	Polycarbonate smooth clear lens	SD40	40% / 100% Bi-Level Step dim	PG	Parking Garage
PCF	Polycarbonate smooth frosted lens	SDXX	XX% / 100% Bi-Level Step dim (Specify XX : 10% ~ 70%)		
IAC	Impact resistant acrylic, smooth clear lens	TD30/70	30% / 70% / 100% Tri-Level Step dim	* W and PG distribution: only available with IACD or IAFD lens option.	
IAF	Impact resistant acrylic, smooth frosted lens	TDXX/YY	XX% / YY% / 100% Tri-Level Step dim (Specify XX, YY : 10% ~ 70%)		
IACD	Deep impact resistant acrylic clear lens	ES566	eldoLED SOLOdrive Natural Dimming to dark,0-10V, 100% ~ 0.1% dim		
IAFD	Deep impact resistant acrylic frosted lens	LDE1	Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology, 100% ~ 1% dim		
		BLT	Bluetooth Mesh System (contact factory for more information)		

MOUNTING		OPTIONS			
(Blank)	Surface Mount (Stainless steel)	EMG8	1296 LUMEN EM Battery Backup (CEC Compliant EM) [2, 3]	WMS	Wet Location Occupancy Sensor
45D	45 Degree Mount (Stainless steel) [11]	EMG15	2430 LUMEN EM Battery Backup (CEC Compliant EM) [2, 3]	WDMS	Wet Location Day Light Motion Sensor, Fail on
SP	1/2" IP single stem mounting bracket for 2ft fixture only (stem purchased separately) [13]	EMG20	3240 LUMEN EM Battery Backup (CEC Compliant EM) [2, 3]	EFS01RE	Fixture External mount 0-10V Bi-Level Dimming Occupancy PIR Sensor. Daylight Harvesting. (adjustable by Remote Control only-RM51)
DP	3/8" double threaded rod mounting bracket (threaded rod by others)	EMG25	4050 LUMEN EM Battery Backup (CEC Compliant EM) [2, 3]	RM5	Handheld Remote for EFS01RE
DP2	1/2" IP double stem mounting bracket (stem purchased separately)	CWEM6	6W EM Cold Weather -4°F (-20°C) ~ 131°F (55°C)	HC403	Microwave bi-level Occupancy Sensor, adjustable via DIP switch [7]
CCP	Chain or Cable	ELCU-200	Fail-to-on Emergency lighting, UL924 [6]	HRC-05	Handheld Remote for HC403
34S	Topaz 34S Swivel stem hanger (order with SH-1/2-xx)	GTD	Bodine Generator Transfer Device	BRI819P-B-O-L2	Fixture External mount On/Off occupancy and daylight sensor, max 40ft height, adjustable via DIP switch
SH-1/2-xx	1/2" IPS Stem with canopy kits for SP option (xx=stem length, 18, 24, 36, 48 inches)	GTD10DIM	Bodine Generator Transfer Device (0-10VDC Dimmer Override)	LT	Low Temperature for freezer (-40°F (-40°C) ~ 122°F (50°C))
		F1	Single fuse for 120/277/347V [1]	HT	High Temperature (-31°F (-35°C) ~ 140°F (60°C))
		F2	Double fuse for 208/240/480V [1]	AMB	Anti-Microbial Coating (Matte Skye White)
		SSL	316 Stainless Steel Latch		
		TRCP	Tamper-proof plastic latch		
		TRDT	Tamper-proof Driver Tool		
		DC011	One end 1/2" Hub. Water Tight Die Cast Fitting		
		DC012	Both ends 1/2" Hub. Water Tight Die Cast Fitting		
		DC021	One end 3/4" Hub. Water Tight Die Cast Fitting		
		DC022	Both ends 3/4" Hub. Water Tight Die Cast Fitting		
		WG	Wire Guard		

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LIGHTING CONTROL SYSTEM	
	<Bluetooth>
AUTANI	Autani / Keilton Bluetooth control ready options.
CASAMBI	Casambi Bluetooth control ready options.
AVI-ON	Avi-On Bluetooth control ready options.
	* Please contact factory for Bluetooth control with sensor and other options

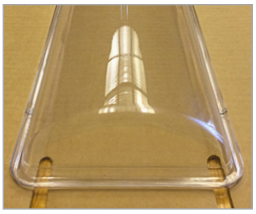
NOTES:
1. Must specify voltage.
2. Contact factory for other emergency ballast options.
3. Not available with 347V.
4. To find an approved dimmer switch, please see table 1.
5. Lumen per watt is approximately 15% fewer than standard CRI (80+).
6. Shipped separately.
7. Integrated Microwave bi-level Occupancy Sensor, adjustable via DIP switch (mounted inside fixture).
8. 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 to confirm which versions are qualified.
9. Refer to diffuser chart for compatibility.



DIRA
Linear Ribbed Clear Lens



DIRAFR
Linear Ribbed Frosted Lens



PCC, IAC
Smooth Clear Lens



PCF, IAF
Smooth Frosted Lens



IACD
Deep Impact Resistant Clear Lens

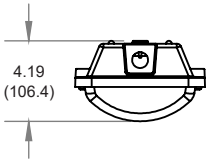


IAFD
Deep Impact Resistant Frosted Lens



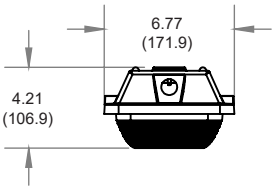
WG
Wire Guard

PCC, PCF, IAC, IAF Lens

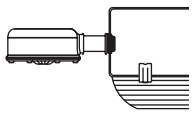


DW-LP

DIRA, DIRAFR Lens

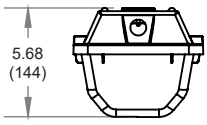


DW-LP

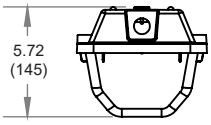


WMS, WDMS, EFS01RE

IACD, IACF Lens



DW-LP-2



DW-LP-4/8

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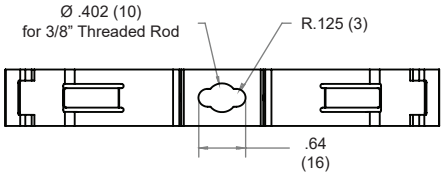
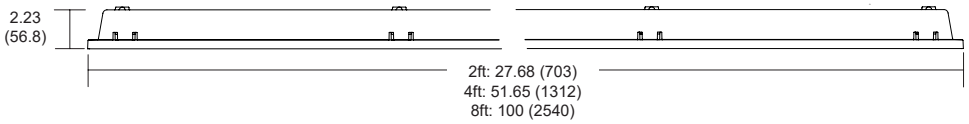
DW-LP LED

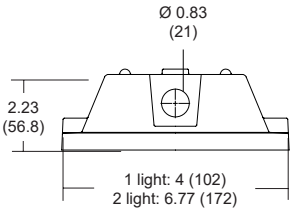


Bracket for DP option

DIMENSION:

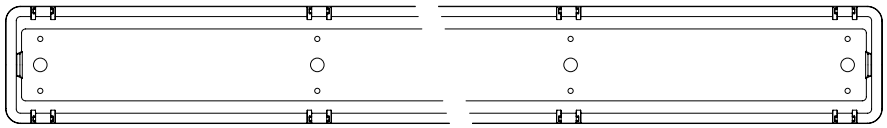
Side View



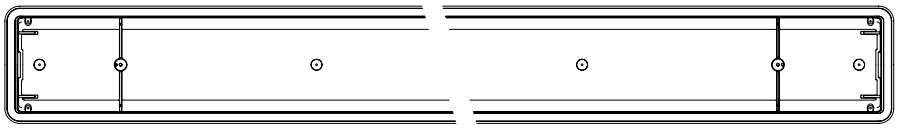


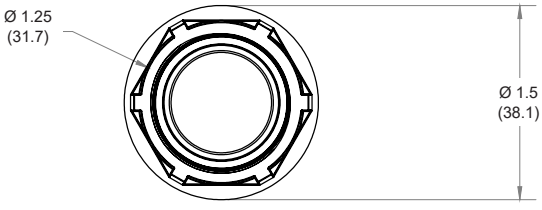
All dimensions are in inches (millimeters).

Interior View

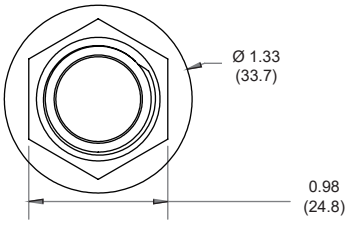


Top View

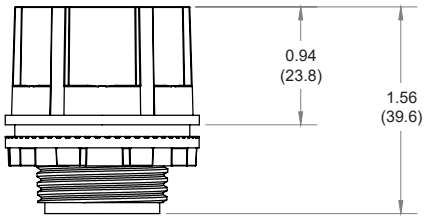


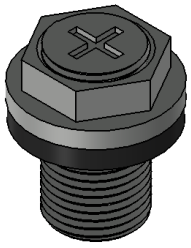


DC01



DC02





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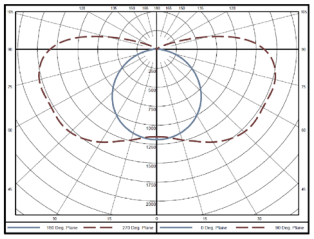
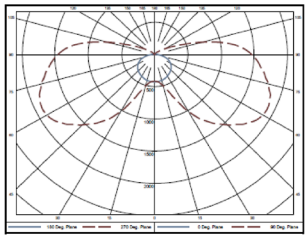


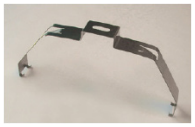
W Distribution : wide



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, DVSCTV-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.

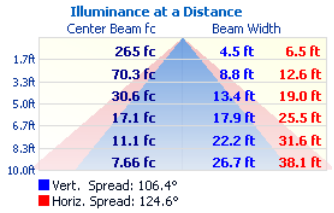
HC403 FACTORY SETTING (TABLE 2)

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

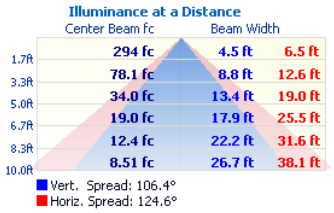
* See a separate attachment to find more setting options.

DW-LP LED

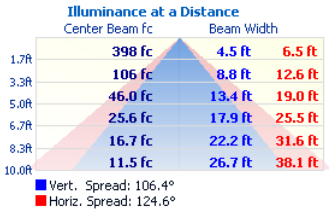
DW-LP-2-18LED



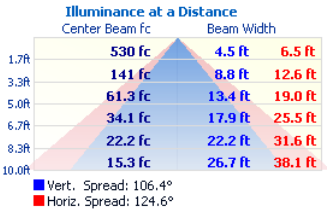
DW-LP-2-20LED



DW-LP-2-27LED



DW-LP-2-36LED



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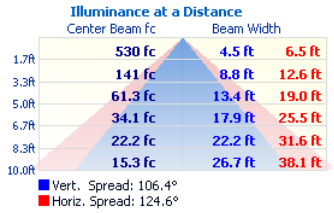
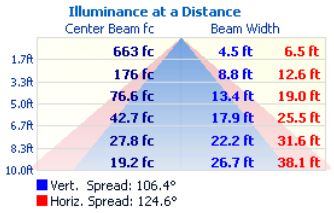


DW-LP-4-45LED



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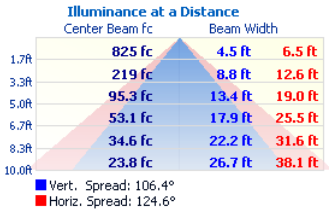
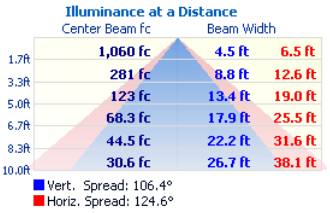
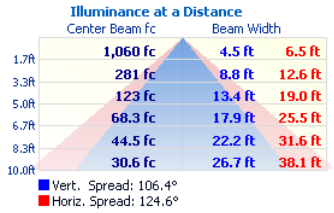


DW-LP-4-72LED



DW-LP-8-72LED



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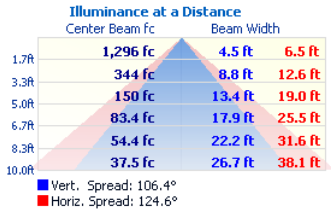

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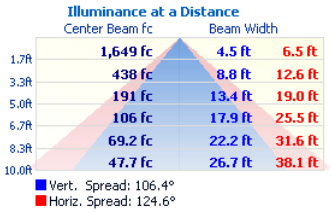

UTOPIA LIGHTING reserves the right to change specifications, drawings, dimensions without prior notice. Visit our website for the latest product information.