



## Large Neoclassical, Domed Bell Luminaire

### Features

The NEW Deziner Series is a flexible, configurable pedestrian scale decorative pendant luminaire with an 10" diameter upper housing of 0.125" thick formed aluminum with a large assortment of spun aluminum shades and ornamental options. Each lower housing is comprised of a 0.080" thick spun aluminum reflector with an integrated LED module seat, thermal management for long LED life and a thermally isolated solid state power supply chamber. Trulevel™ ball coupling.

### PLED™ Optics

Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. LED optics completely seal each individual emitter to meet an IP66 rating. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side and functions as a house side shielding element. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce standard site/area distributions. All optics are U0, Zero Uplight and are Dark Sky compliant. Panels are field replaceable and field rotatable in 90° increments.

### LED Emitters

High Power White LED's are driven between 350mA and 875mA for a maximum output of 2.5 Watts nominal. LED's are available in standard Warm White (2700K & 3000K), Neutral White (4000K), or Cool White (5000K). All Standard LED's have a minimum of 70 CRI. Consult Factory for other LED options. Lumen Maintenance of L93 at 100,000 hours (TM-21 calculated at 6x Test Time) for all LED options.

**True Amber LED's** TRA-True Amber LED's emit light in the amber spectral bandwidth centered on 585-590nm. True Amber has negligible blue light and is suitable for wildlife.

### LED Driver

Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized and mounted directly against the Electrical Housing to facilitate thermal transfer, held down by universal clamps to facilitate easy removal. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V (UNV), 50/60Hz or 347V & 480V, 50,60Hz. 0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field accessible installation.)

### Finish

Super TGIC polyester powder coating is applied onto a metal substrate this has been pretreated with a four-stage process for maximum adhesion and color retention. The top coat is baked at 400° F for maximum hardness and exterior durability.











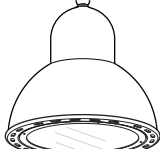



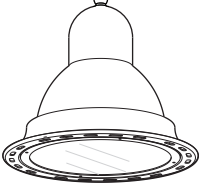
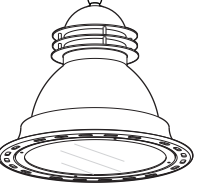



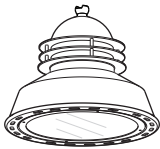


The largest models within the Deziner Series, offer 5 customizable styles available with optional Ambience™ Low Luminance Lens and unlit Bands.

# DEZİNER SERIES 10 - PLED LARGE

## PRODUCT CONFIGURATIONS










### EPA & WEIGHT








Base Model	w/ unlit Bands	w/ Ambience™ Low Luminance Lens	w/ unlit Bands & Ambience™ Low Luminance Lens
 <p><b>DS10A</b> Max Weight = 31 lbs Max EPA = 1.33 80 LED Max</p>	 <p><b>DS10AB</b> Max Weight = 33 lbs Max EPA = 1.34 80 LED Max</p>	 <p><b>DS10A-AL</b> Max Weight = 31 lbs Max EPA = 1.33 80 LED Max</p>	 <p><b>DS10AB-AL</b> Max Weight = 33 lbs Max EPA = 1.34 80 LED Max</p>
 <p><b>DS10C</b> Max Weight = 31 lbs Max EPA = 1.27 80 LED Max</p>	 <p><b>DS10CB</b> Max Weight = 33 lbs Max EPA = 1.28 80 LED Max</p>	 <p><b>DS10C-AL</b> Max Weight = 31 lbs Max EPA = 1.27 80 LED Max</p>	 <p><b>DS10CB-AL</b> Max Weight = 33 lbs Max EPA = 1.29 80 LED Max</p>
 <p><b>DS10D</b> Max Weight = 33 lbs Max EPA = 1.68 80 LED Max</p>	 <p><b>DS10DB</b> Max Weight = 35 lbs Max EPA = 1.69 80 LED Max</p>	 <p><b>DS10D-AL</b> Max Weight = 33 lbs Max EPA = 1.68 80 LED Max</p>	 <p><b>DS10DB-AL</b> Max Weight = 35 lbs Max EPA = 1.69 80 LED Max</p>
 <p><b>DS10S</b> Max Weight = 35 lbs Max EPA = 1.72 80 LED Max</p>	 <p><b>DS10SB</b> Max Weight = 37 lbs Max EPA = 1.73 80 LED Max</p>	 <p><b>DS10S</b> Max Weight = 35 lbs Max EPA = 1.72 80 LED Max</p>	 <p><b>DS10SB</b> Max Weight = 37 lbs Max EPA = 1.73 80 LED Max</p>
 <p><b>DS10T</b> Max Weight = 29 lbs Max EPA = 1.38 80 LED Max</p>	 <p><b>DS10TB</b> Max Weight = 31 lbs Max EPA = 1.39 80 LED Max</p>	 <p><b>DS10T-AL</b> Max Weight = 29 lbs Max EPA = 1.38 80 LED Max</p>	 <p><b>DS10TB-AL</b> Max Weight = 31 lbs Max EPA = 1.39 80 LED Max</p>

# DEZİNER SERIES 10 - PLED LARGE

## ORDERING INFORMATION

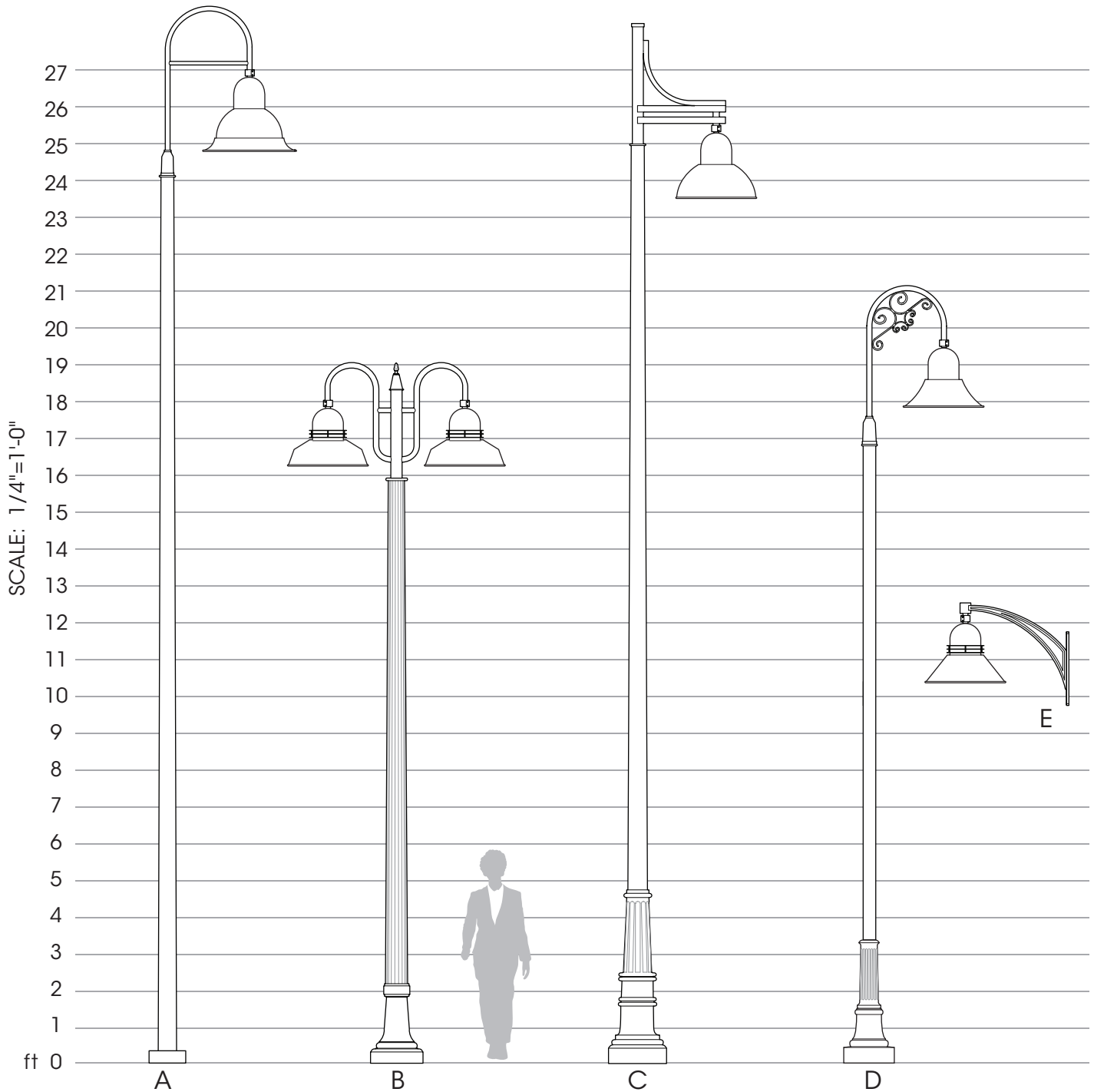
Spec/Order Example: DS10CB/AL-ASY/36LED-700mA/30K/UNV/CM+L/RAL-8019-T/DF

Luminaire	Shade	Optics	# of LEDs	Drive Current	Color Temp - CCT	Voltage
Luminaire	Shade	Optics	LED			Voltage
<input type="checkbox"/> <b>DS10</b>	<input type="checkbox"/> Angled <input type="checkbox"/> Angled w/ unlit Bands <input type="checkbox"/> Concave/Flared <input type="checkbox"/> Concave/Flared w/ unlit Bands <input type="checkbox"/> Deep Bell <input type="checkbox"/> Deep Bell w/ unlit Bands <input type="checkbox"/> Hooded <input type="checkbox"/> Hooded w/ unlit Bands <input type="checkbox"/> Skirted <input type="checkbox"/> Skirted w/ unlit Bands <input type="checkbox"/> Tiered <input type="checkbox"/> Tiered w/ unlit Bands	<p><b>PLED™</b> Distribution Type</p> <input type="checkbox"/> PLED-II  <input type="checkbox"/> PLED-II-FR  <input type="checkbox"/> PLED-III  <input type="checkbox"/> PLED-III-W  <input type="checkbox"/> PLED-IV  <input type="checkbox"/> PLED-IV-FT  <input type="checkbox"/> PLED-V-SQ-N  <input type="checkbox"/> PLED-V-SQ-M  <input type="checkbox"/> PLED-V-SQ-W   Ambience™ Lens Option: <input type="checkbox"/> AL-ASY <input type="checkbox"/> AL-ASY-HS <input type="checkbox"/> AL-SYM	<input type="checkbox"/> <b>80LED<sup>1</sup></b>	<input type="checkbox"/> <b>875mA<sup>2</sup></b>	<input type="checkbox"/> <b>27K (2700K)</b>	<input type="checkbox"/> <b>UNV (120-277)</b> <input type="checkbox"/> <b>347</b> <input type="checkbox"/> <b>480</b>
			<input type="checkbox"/> <b>48LED</b> <input type="checkbox"/> <b>36LED</b>	<input type="checkbox"/> <b>700mA</b> <input type="checkbox"/> <b>525mA</b> <input type="checkbox"/> <b>350mA</b> <input type="checkbox"/> <b>175mA</b>	<input type="checkbox"/> <b>30K (3000K)</b> <input type="checkbox"/> <b>40K (4000K)</b> <input type="checkbox"/> <b>50K (5000K)</b> <input type="checkbox"/> <b>TRA<sup>3</sup> True Amber</b>	

Mounting	Finish	Options
Mounting	Finish	Options
<p><b>Arm Mount</b></p> <input type="checkbox"/> <b>1</b>  <input type="checkbox"/> <b>2-180</b>  <input type="checkbox"/> <b>2-90</b>  <input type="checkbox"/> <b>3-90</b>  <input type="checkbox"/> <b>3-120</b>  <input type="checkbox"/> <b>4-90</b>   <p><b>Wall Mount</b></p> <input type="checkbox"/> <b>WM</b>  WM - Wall Mount provided with mounting bracket and cover.	<p><b>Standard Textured Finish</b></p> <input type="checkbox"/> Black <b>RAL-9005-T</b> <input type="checkbox"/> White <b>RAL-9003-T</b> <input type="checkbox"/> Grey <b>RAL-7004-T</b> <input type="checkbox"/> Dark Bronze <b>RAL-8019-T</b> <input type="checkbox"/> Green <b>RAL-6005-T</b>  <p><b>Premium Finishes</b></p> <input type="checkbox"/> Rust <input type="checkbox"/> Patina Copper <b>PC</b>  For smooth finish replace suffix 'T' with suffix 'S' (Example: RAL-9500-S) Consult factory for custom colors	<input type="checkbox"/> Internal House Side Shield incl. LED Count (Example: HS-PLED/48) <b>HS-PLED</b> <input type="checkbox"/> Twist Lock Receptable Only <b>TPR</b> <input type="checkbox"/> 7-Pin Twist Lock Receptable Only <b>TPR7</b> <input type="checkbox"/> High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HLSW/25) <b>HLSW</b> <input type="checkbox"/> Twist Lock Photocell + Voltage (Example: TPC347V) <b>TPC+V</b> <input type="checkbox"/> Photocell + Voltage (Example: PC120V) <b>PC+V</b> <input type="checkbox"/> Single Fuse (Example: DF277V) <b>SF+V</b> <input type="checkbox"/> Double Fuse (Example: DF240V) <b>DF+V</b> <input type="checkbox"/> Blue-Tooth Programmable Photo/Motion Sensor (Factory - Motion 50/100; Photo 75fc) <b>MS-F311</b>
<p><b>Pendant Mount</b></p> <input type="checkbox"/> Cable Clamp J-Box <b>CCB</b> <input type="checkbox"/> Cross Cable Clamp J-Box <b>CCC</b>		

# DEZİNER SERIES 10 - PLED LARGE

## SAMPLE ASSEMBLIES



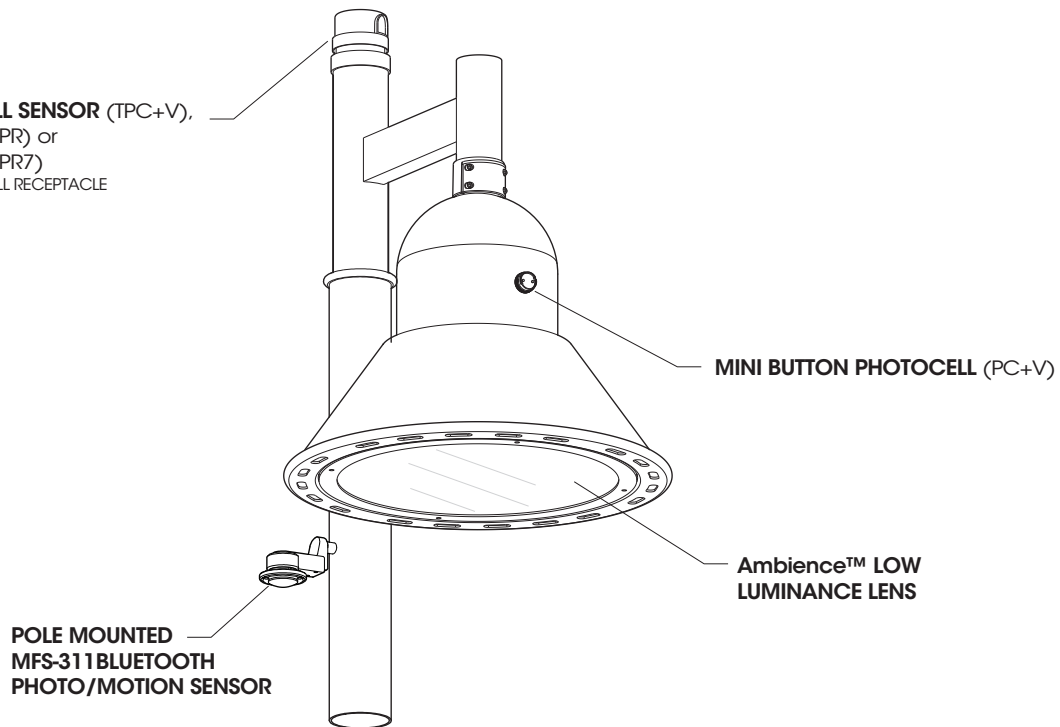
- A. RTA 2574-188/XPS/DS10SL/LED/ACCESSORIES/FINISH
- B. 7500/1058C/XPJ-2/DS10TB-AL/LED/ACCESSORIES/FINISH
- C. 3600SB/TFS 2564/XBC/DS10D/LED/ACCESSORIES/FINISH
- D. 4200/1040-17' XPC-2/DS10C/LED/ACCESSORIES/FINISH
- E. WM-XWB/DS10AB-AL/LED/ACCESSORIES/FINISH

Sample Assemblies show a small offering of the Sun Valley Line of Poles, Bases, Shafts, Arms, & Luminaires. Please visit [usalgtg.com](http://usalgtg.com) for the full product offering.

# DEZİNER SERIES 10 - PLED LARGE

## OPTIONS

Optional: **PHOTOCELL SENSOR (TPC+V)**,  
**3-PIN RECEPTACLE (TPR)** or  
**7-PIN RECEPTACLE (TPR7)**  
TPR = TWIST LOCK PHOTOCELL RECEPTACLE



**POLE MOUNTED  
MFS-311 BLUETOOTH  
PHOTO/MOTION SENSOR**

**MINI BUTTON PHOTOCELL (PC+V)**

**Ambience™ LOW  
LUMINANCE LENS**

Factory Settings:  
No Motion - 50%  
Motion - 100%  
Delay - 15 min.  
Photocell - 75fc

Sensors can be Field  
Programmed With  
Bluetooth App

### High Low Dimming For Switches (HLSW)

The HLSW is a Small Electronic Switch which Provides High Low Dimming Control Through the LED Driver's 0-10V Control. Switching is Done by Adding a Secondary AC Switched Hot Trigger Line to the HLSW in Addition to the Normal AC Power Line. When the Secondary Trigger Line is Powered, the Fixture will go to 100% Dimming. With no Power to the Trigger, the Fixture will operate at 50% or 25% Dimming. Switches for the Trigger Line can be a Normal AC Switch/Breaker or Timed Switch/Breaker.

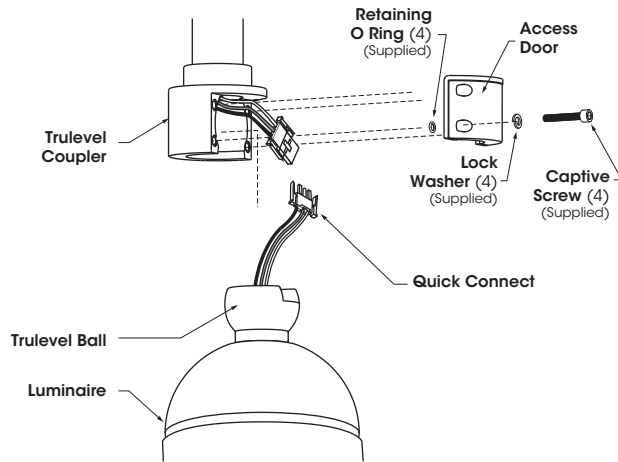
### Wireless and Other Fixture Controls

Contact Factory for Wireless and Other Fixture Controls and Recommendations. Most Controls Can be Integrated and Factory Installed.

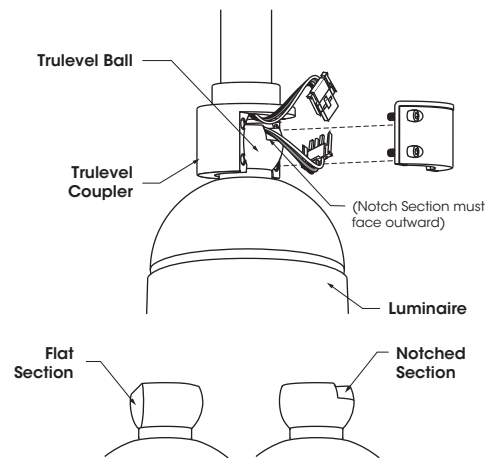
# DEZİNER SERIES 10 - PLED LARGE

## INSTALLATION DETAIL

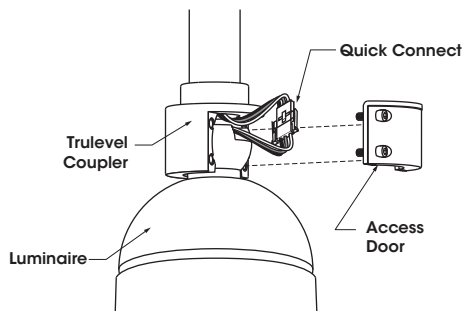
### Trulevel System® Assembly



1. Loosen (4) Captive Screws and remove Access Door from Trulevel Coupler, pull out Quick Connect from Trulevel Coupler and Trulevel Ball.

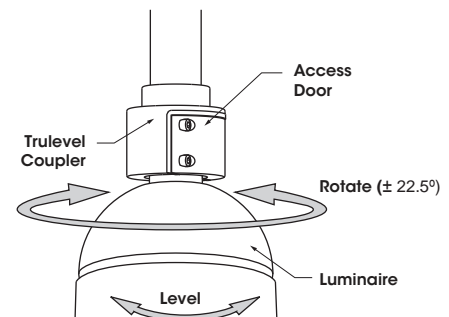


2. Place Trulevel Ball inside of Trulevel Coupler as illustrated.
  - A - Notched Section of Trulevel Ball must face outward as illustrated.
  - B - Flat Section of Trulevel Ball must face inward.



3. Connect Quick Connect components, push components inside of Trulevel Coupler cavity, replace Access Door and loosely secure, do not tighten.

Fixture will suspend without Access Door during installation.



4. Rotate (left to right  $\pm 22.5^\circ$ ) and level Luminaire to desired position. Tighten Access Door.

(Tighten each bolt to recommended torque: **10 ft-lb, foot-pound**)

Trulevel Pendant Mount is intended to allow for fixture leveling, but is not intended to be "free-swinging" upon proper installation.

# DEZİNER SERIES 10 - PLED LARGE

## PHOTOMETRIC DATA GUIDE - LM-80 LUMEN MAINTENANCE

LED LUMEN MAINTENANCE (350mA to 875mA)		
LED Life / Operating Hours	Lumen Depreciation	Lumen Depreciation Scale Factor
60,000	L96	0.96x
100,000 (6X LED Test Hrs)	L93	0.93x
150,000 (Theoretical)	L89	0.90x
200,000 (Theoretical)	L86	0.87x

TM-21 6x Test Time Dictates that L93 > 100,000 Hours.

Lumen Depreciation Calculations Done in Accordance With IESNA TM-21 & LM-80 (25°C Ambient)

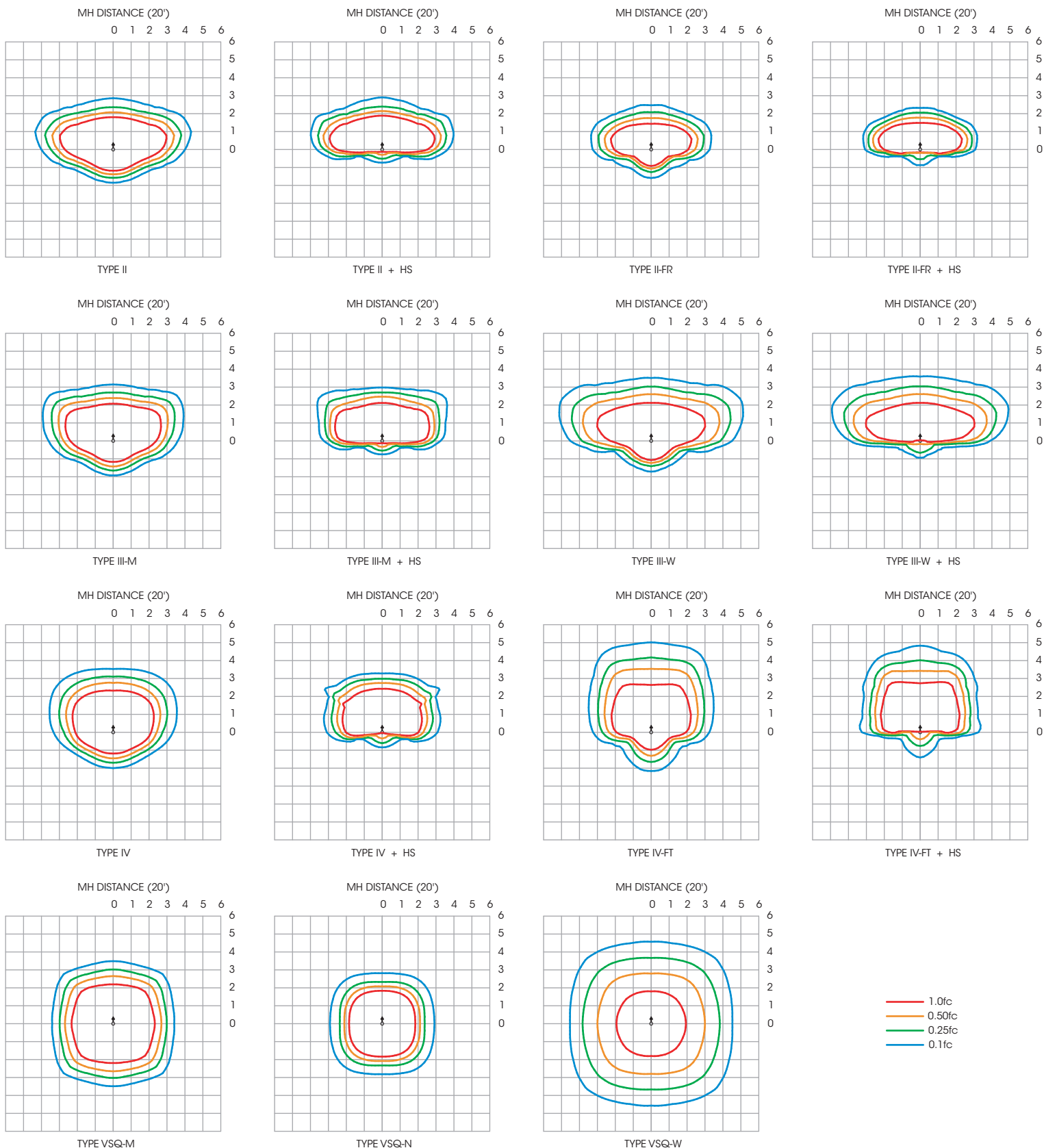
## ELECTRICAL DATA GUIDE - AMPERAGE CHART

# of LEDs	mA	System Watts	120V	208V	277V	347V	480V
36	350	41.3	0.34	0.20	0.15	0.12	0.09
36	525	62.0	0.52	0.30	0.22	0.18	0.13
36	700	82.6	0.69	0.40	0.30	0.24	0.17
36	875	103.1	0.86	0.50	0.37	0.30	0.21
48	175	26.5	0.22	0.13	0.10	0.08	0.06
48	350	53.6	0.45	0.26	0.19	0.15	0.11
48	525	80.7	0.67	0.39	0.29	0.23	0.17
48	700	108.0	0.90	0.52	0.39	0.31	0.23
48	875	134.7	1.12	0.65	0.49	0.39	0.28
80	175	41.9	0.35	0.20	0.15	0.12	0.09
80	350	85.8	0.72	0.41	0.31	0.25	0.18
80	525	129.7	1.08	0.62	0.47	0.37	0.27
80	700	173.5	1.45	0.83	0.63	0.50	0.36
80	875	221.5	1.85	1.06	0.80	0.64	0.46

# DEZİNER SERIES 10 - PLED LARGE

## PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS

DS10-PLED-80LED-525mA-40K - 20' Mounting Height (18' Pole)



IES File downloads for this product can be found at [www.usaltg.com/downloads/asr.html](http://www.usaltg.com/downloads/asr.html)





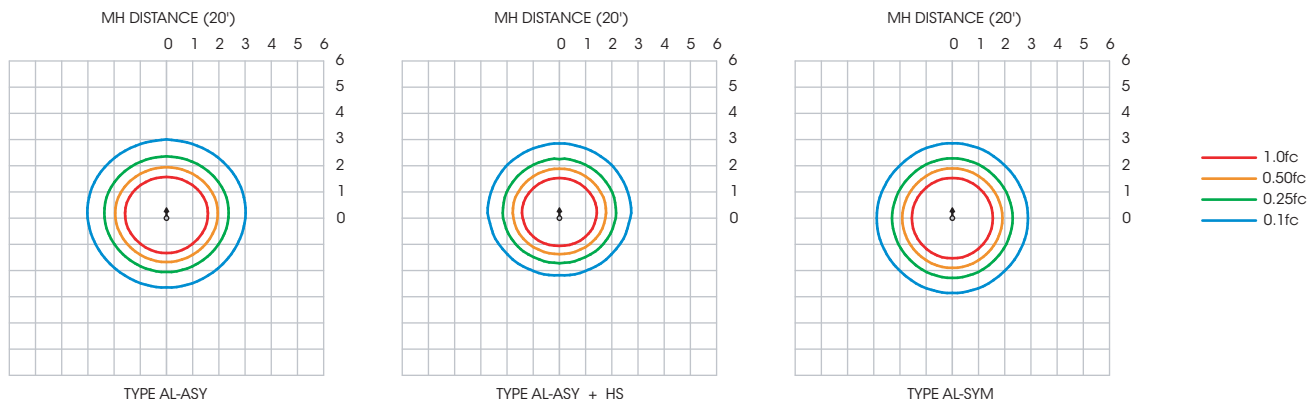




# DEZİNER SERIES 10 - PLED LARGE

## PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS

DS10-PLED-AL-80LED-525mA-40K - 20' Mounting Height (18' Pole)



## PHOTOMETRIC DATA GUIDE - LUMEN TABLES (DS10-PT-PLED-AL)

DS10-PLED-AL																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
80	175	41.9	ASY	4725	113	B2-U0-G1	4930	118	B2-U0-G1	5136	123	B2-U0-G1	5341	127	B2-U0-G1	32.3	1849	57	B1-U0-G1
			SYM	4730	113	B2-U0-G1	4936	118	B2-U0-G1	5141	123	B2-U0-G1	5347	128	B2-U0-G1		1851	57	B1-U0-G0
			ASY-HS	3381	81	B1-U0-G1	3529	84	B1-U0-G1	3676	88	B1-U0-G1	3822	91	B1-U0-G1		1323	41	B1-U0-G0
80	350	85.8	ASY	8915	104	B3-U0-G2	9303	108	B3-U0-G2	9691	113	B3-U0-G2	10078	117	B3-U0-G2	66.1	3101	47	B1-U0-G1
			SYM	8925	104	B3-U0-G1	9312	109	B3-U0-G1	9700	113	B3-U0-G1	10089	118	B3-U0-G1		3104	47	B1-U0-G1
			ASY-HS	6379	74	B2-U0-G1	6657	78	B2-U0-G1	6934	81	B2-U0-G1	7212	84	B2-U0-G1		2219	34	B1-U0-G1
80	525	129.7	ASY	12677	98	B3-U0-G3	13228	102	B3-U0-G3	13779	106	B3-U0-G3	14331	110	B3-U0-G3	99.9	3583	36	B1-U0-G1
			SYM	12691	98	B3-U0-G1	13242	102	B3-U0-G1	13794	106	B3-U0-G1	14346	111	B3-U0-G1		3587	36	B1-U0-G1
			ASY-HS	9072	70	B2-U0-G2	9466	73	B3-U0-G2	9860	76	B3-U0-G2	10255	79	B3-U0-G2		2564	26	B1-U0-G1
80	700	173.5	ASY	15949	92	B3-U0-G3	16642	96	B3-U0-G3	17335	100	B3-U0-G3	18030	104	B3-U0-G3	N/A	N/A		
			SYM	15967	92	B3-U0-G1	16660	96	B3-U0-G1	17355	100	B3-U0-G1	18049	104	B3-U0-G1				
			ASY-HS	11413	66	B3-U0-G2	11909	69	B3-U0-G2	12405	71	B3-U0-G2	12901	74	B3-U0-G2				
80	875	221.5	ASY	18775	85	B3-U0-G3	19592	88	B3-U0-G3	20408	92	B3-U0-G3	21224	96	B4-U0-G3	N/A	N/A		
			SYM	18796	85	B4-U0-G1	19613	89	B4-U0-G1	20430	92	B4-U0-G2	21247	96	B4-U0-G2				
			ASY-HS	13435	61	B3-U0-G2	14019	63	B3-U0-G2	14603	66	B3-U0-G2	15187	69	B3-U0-G2				

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