

PROJECT NAME: _____

PROJECT TYPE: _____

Small Neoclassical, Domed Bell Luminaire

Features

The NEW Deziner Series is a flexible, configurable pedestrian scale decorative pendant luminaire with an 6.7" 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.



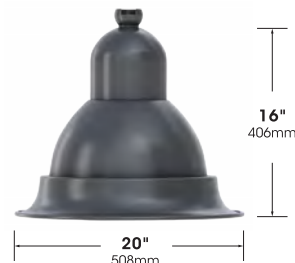
DS6A
Angled



DS6C
Concave/Flared



DS6D
Deep Bell



DS6S
Skirted



DS6T
Tiered

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

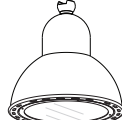
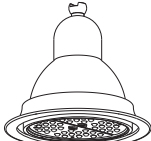
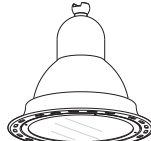


2023062

DEZİNER SERIES 6 - PLED SMALL

PRODUCT CONFIGURATIONS

EPA & WEIGHT

Base Model	w/ unlit Bands	w/ Ambience™ Low Luminance Lens	w/ unlit Bands & Ambience™ Low Luminance Lens
 DS6A Max Weight = 17 lbs Max EPA = 0.58 36 LED Max	 DS6AB Max Weight = 18 lbs Max EPA = 0.63 36 LED Max	 DS6A-AL Max Weight = 17 lbs Max EPA = 0.58 36 LED Max	 DS6AB-AL Max Weight = 18 lbs Max EPA = 0.63 36 LED Max
 DS6C Max Weight = 17 lbs Max EPA = 0.54 36 LED Max	 DS6CB Max Weight = 18 lbs Max EPA = 0.59 36 LED Max	 DS6C-AL Max Weight = 17 lbs Max EPA = 0.54 36 LED Max	 DS6CB-AL Max Weight = 18 lbs Max EPA = 0.59 36 LED Max
 DS6D Max Weight = 18 lbs Max EPA = 0.74 36 LED Max	 DS6DB Max Weight = 19 lbs Max EPA = 0.79 36 LED Max	 DS6D-AL Max Weight = 18 lbs Max EPA = 0.74 36 LED Max	 DS6DB-AL Max Weight = 19 lbs Max EPA = 0.79 36 LED Max
 DS6S Max Weight = 19 lbs Max EPA = 0.79 36 LED Max	 DS6SB Max Weight = 20lbs Max EPA = 0.84 36 LED Max	 DS6S-AL Max Weight = 19 lbs Max EPA = 0.79 36 LED Max	 DS6SB-AL Max Weight = 20lbs Max EPA = 0.84 36 LED Max
 DS6T Max Weight = 16 lbs Max EPA = 0.58 36 LED Max	 DS6TB Max Weight = 17 lbs Max EPA = 0.63 36 LED Max	 DS6T-AL Max Weight = 16 lbs Max EPA = 0.58 36 LED Max	 DS6TB-AL Max Weight = 17 lbs Max EPA = 0.63 36 LED Max

DEZİNER SERIES 6 - PLED SMALL

ORDERING INFORMATION

Spec/Order Example: DS6CB/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	
☐ DS6	☐ Angled	A	☐ PLED-II		☐ 36LED	☐ 875mA ¹	☐ 27K (2700K)	☐ UNV (120-277)	
	☐ Angled w/ unlit Bands	AB	☐ PLED-II-FR		☐ 20LED	☐ 700mA	☐ 30K (3000K)	☐ 347	
	☐ Concave/Flared	C	☐ PLED-III			☐ 525mA	☐ 40K (4000K)	☐ 480	
	☐ Concave/Flared w/ unlit Bands	CB	☐ PLED-III-W			☐ 350mA	☐ 50K (5000K)		
	☐ Deep Bell	D	☐ PLED-IV				☐ TRA ² True Amber		
	☐ Deep Bell w/ unlit Bands	DB	☐ PLED-IV-FT						
	☐ Hooded	H	☐ PLED-V-SQ-N						
	☐ Hooded w/ unlit Bands	HB	☐ PLED-V-SQ-M						
	☐ Skirted	S	☐ PLED-V-SQ-W						
	☐ Skirted w/ unlit Bands	SB							
	☐ Tiered	T							
	☐ Tiered w/ unlit Bands	TB							
		Ambience™ Lens Option:		NOTES:					
		☐ AL-ASY		1 - 875mA not available with 36LED, available with 20LED only					
		☐ AL-ASY-HS		2 - TRA available in 350mA & 525mA Drive Currents only					
		☐ AL-SYM		Consult factory for other CCT, CRI, & Drive Current options					

Mounting	Finish	Options
Mounting	Finish	Options
Arm Mount ☐ 1  ☐ 2-180  ☐ 2-90  ☐ 3-90  ☐ 3-120  ☐ 4-90  Wall Mount ☐ WM  WM - Wall Mount provided with mounting bracket and cover. Pendant Mount ☐ Stem Mount + Length(in) (48" Max) SM+L ☐ Chain Mount + Length(in) (48" Max) CM+L ☐ Cable Clamp J-Box CCB ☐ Cross Cable Clamp J-Box CCC	Standard Textured Finish ☐ Black RAL-9005-T ☐ White RAL-9003-T ☐ Grey RAL-7004-T ☐ Dark Bronze RAL-8019-T ☐ Green RAL-6005-T Premium Finishes ☐ Rust ☐ Patina Copper PC For smooth finish replace suffix "T" with suffix "S" (Example: RAL-9500-S) Consult factor for custom colors	☐ Internal House Side Shield incl. LED Count (Example: HS-PLED/48) HS-PLED ☐ Twist Lock Receptable Only TPR ☐ 7-Pin Twist Lock Receptable Only TPR7 ☐ High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HLSW/25) HLSW ☐ Twist Lock Photocell + Voltage (Example: TPC347V) TPC+V ☐ Photocell + Voltage (Example: PC120V) PC+V ☐ Single Fuse (Example: DF277V) SF+V ☐ Double Fuse (Example: DF240V) DF+V ☐ Blue-Tooth Programmable Photo/Motion Sensor (Factory - Motion 50/100; Photo 75fc) MS-F311

DEZİNER SERIES 6 - PLED SMALL

SAMPLE ASSEMBLIES

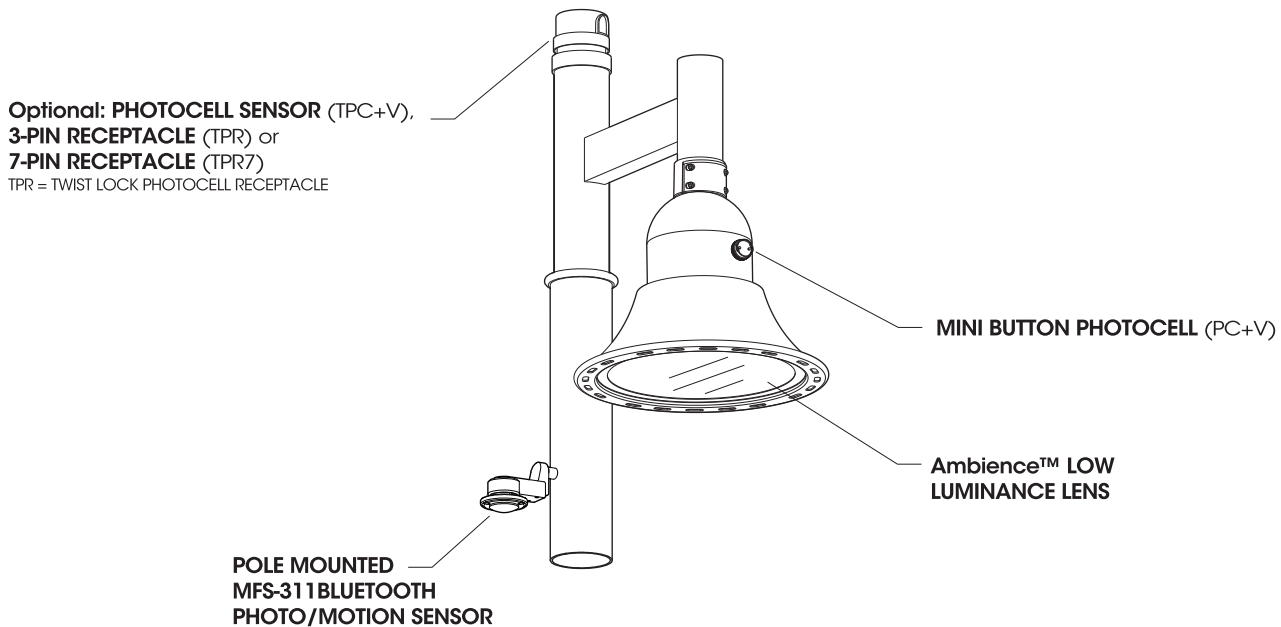


- A. 24-1040-9'/XALM-1/DS6DB-AL/LED/ACCESSORIES/FINISH
- B. 17-1030C-13'-4"/XPDM-2-180/DS6S/LED/ACCESSORIES/FINISH
- C. 1M-106O-9'/XPCM-1/DS6C-AL/LED/ACCESSORIES/FINISH
- D. 25-1035T-11'/XASM-2-180/DS6TB/LED/ACCESSORIES/FINISH
- E. WM-XPKM/DS6A-AL/LED/ACCESSORIES/FINISH

Sample Assemblies show a small offering of the Sun Valley Line of Poles, Bases, Shafts, Arms, & Luminaires. Please visit usalftg.com for the full product offering.

DEZİNER SERIES 6 - PLED SMALL

OPTIONS



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.

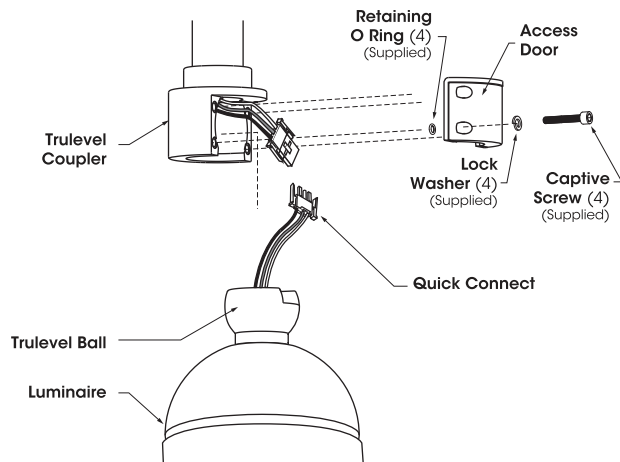
Wireless and Other Fixture Controls

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

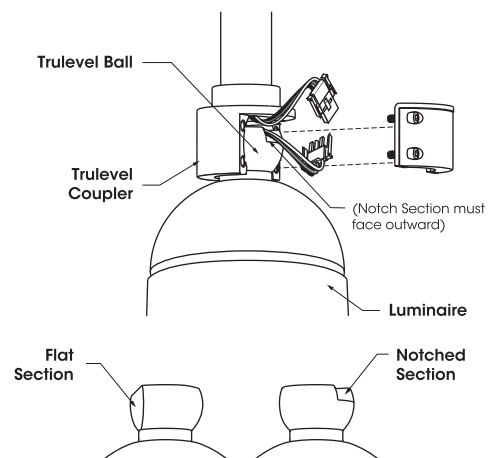
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INSTALLATION DETAIL

Trulevel System® Assembly



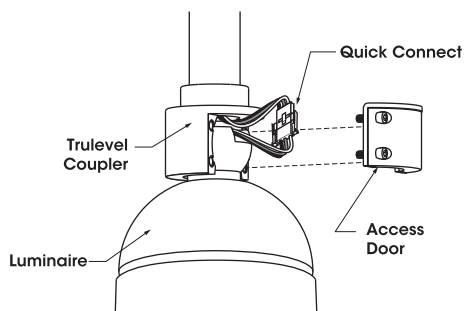
1. Loosen (4) Captive Screws and remove Access Door from Trulevel Coupler, pull out Quick Connect from Trulevel Coupler and Trulevel Ball.



2. Place Trulevel Ball inside of Trulevel Coupler as illustrated.

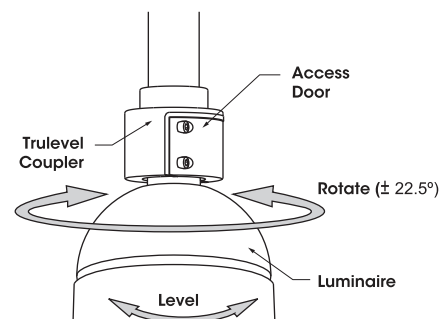
A - Notched Section of Trulevel Ball must face outward as illustrated.

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.



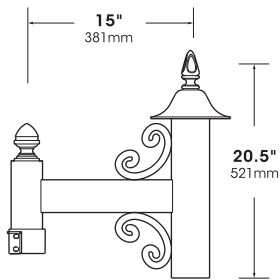
4. Rotate (left to right $\pm 22.5^\circ$) and level Luminaire to desired position. Tighten Access Door.

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

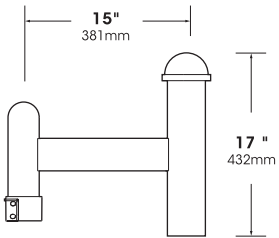
Trulevel Pendant Mount is intended to allow for fixture leveling, but is not intended to be "free-swinging" upon proper installation.

DEZİNER SERIES 6 - PLED SMALL

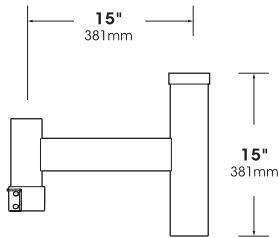
ARMS



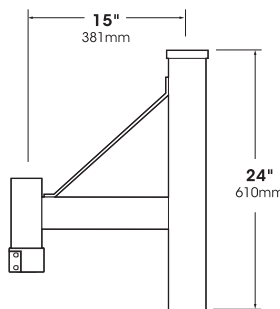
XAJM-PM



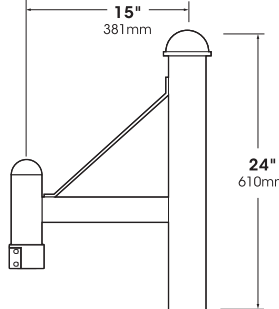
XALM-PM



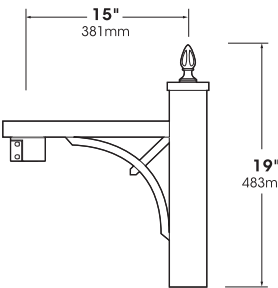
XAOM-PM



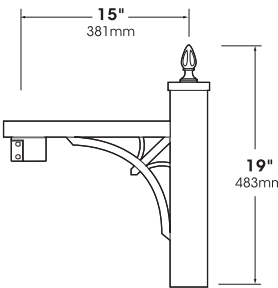
XASM-1



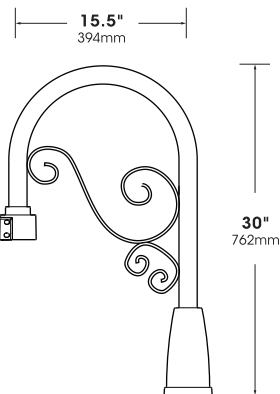
XBSM-1



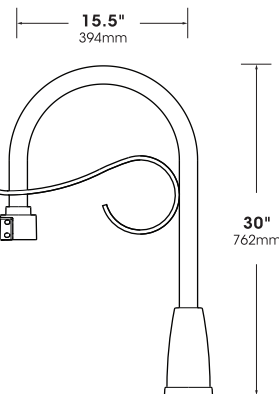
XCNAM-1



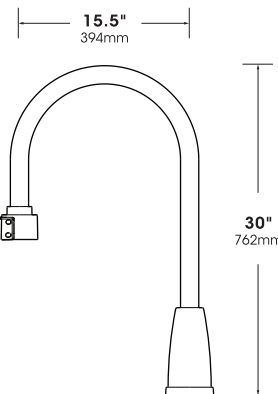
XCNBM-1



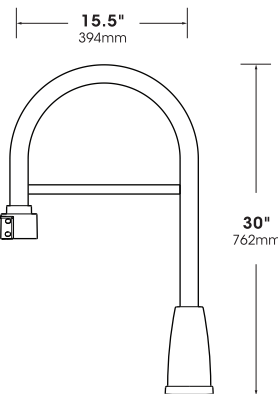
XPCM



XPDM



XPKM



XPSM

DS6 SERIES - LED

PHOTOMETRIC DATA GUIDE - LM-80 LUMEN MAINTENANCE

LED LUMEN MAINTENANCE (350mA to 700mA)		
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 Dicates that L93 > 100,000 Hours.
Lumen Depreciation Calculations Done in Accordance With IESNA TM-21 & LM-80 (25°C Ambient)

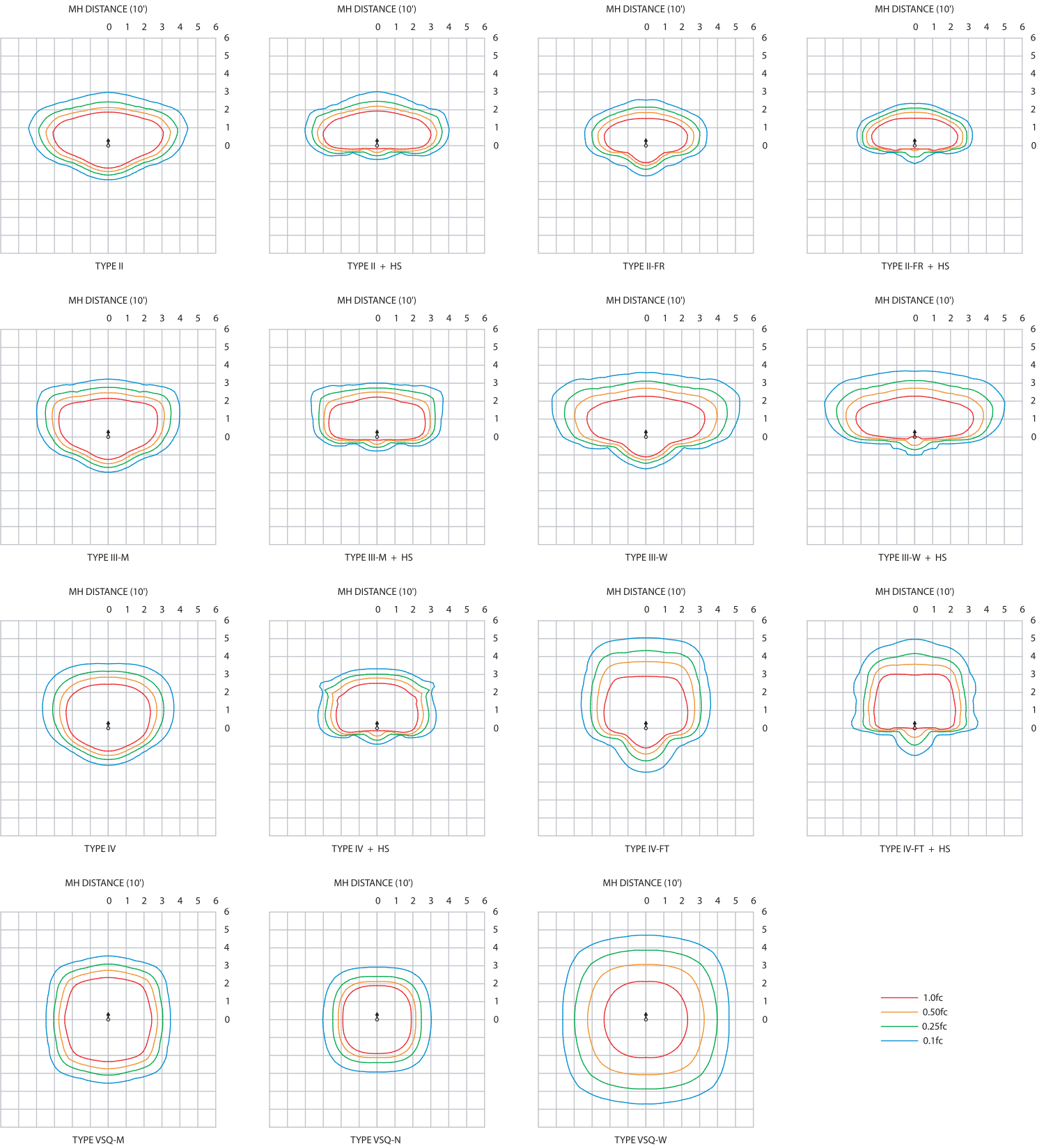
ELECTRICAL DATA GUIDE - AMPERAGE CHART

# of LEDs	mA	System Watts	120V	208V	277V	347V	480V
20	350	23.6	0.20	0.11	0.09	0.07	0.05
20	525	35.5	0.30	0.17	0.13	0.10	0.07
20	700	47.0	0.39	0.23	0.17	0.14	0.10
20	875	58.4	0.49	0.28	0.21	0.17	0.12
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	103.2	0.86	0.50	0.37	0.30	0.22

DS6 SERIES - LED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS (DS6-PLED)

DS6A-PLED-20LED-700mA-40K - 10' Mounting Height



IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

DS6 SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (DS6-PLED)

DS6-PLED																			
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
20	350	23.6	II	3152	134	B1-U0-G1	3288	139	B1-U0-G1	3426	145	B1-U0-G1	3563	151	B1-U0-G1	18.2	1096	60	B0-U0-G0
			II-FR	3173	134	B1-U0-G1	3311	140	B1-U0-G1	3449	146	B1-U0-G1	3587	152	B1-U0-G1		1104	61	B0-U0-G0
			III-M	3207	136	B1-U0-G1	3346	142	B1-U0-G1	3486	148	B1-U0-G1	3625	154	B1-U0-G1		1115	61	B0-U0-G0
			III-W	2978	126	B1-U0-G1	3107	132	B1-U0-G1	3237	137	B1-U0-G1	3366	143	B1-U0-G1		1036	57	B0-U0-G1
			IV	3183	135	B1-U0-G1	3321	141	B1-U0-G1	3459	147	B1-U0-G1	3598	152	B1-U0-G1		1107	61	B0-U0-G0
			IV-FT	2899	123	B1-U0-G1	3025	128	B1-U0-G1	3151	134	B1-U0-G1	3277	139	B1-U0-G1		1008	55	B0-U0-G1
			VSQ-N	3327	141	B2-U0-G0	3472	147	B2-U0-G0	3616	153	B2-U0-G0	3761	159	B2-U0-G0		1157	64	B1-U0-G0
			VSQ-M	3262	138	B2-U0-G1	3404	144	B2-U0-G1	3546	150	B2-U0-G1	3688	156	B2-U0-G1		1135	62	B1-U0-G0
			VSQ-W	3184	135	B2-U0-G1	3322	141	B2-U0-G1	3461	147	B3-U0-G1	3600	153	B3-U0-G1		1108	61	B1-U0-G1
			II-HS	2305	98	B0-U0-G1	2405	102	B0-U0-G1	2505	106	B0-U0-G1	2606	110	B0-U0-G1		802	44	B0-U0-G0
			II-FR-HS	2345	99	B0-U0-G0	2447	104	B0-U0-G0	2549	108	B0-U0-G0	2651	112	B0-U0-G0		816	45	B0-U0-G0
			III-M-HS	2332	99	B0-U0-G1	2433	103	B0-U0-G1	2535	107	B0-U0-G1	2636	112	B0-U0-G1		811	45	B0-U0-G0
			III-W-HS	2282	97	B0-U0-G1	2382	101	B0-U0-G1	2481	105	B0-U0-G1	2580	109	B0-U0-G1		794	44	B0-U0-G1
			IV-HS	2409	102	B0-U0-G1	2513	106	B0-U0-G1	2618	111	B0-U0-G1	2722	115	B0-U0-G1		838	46	B0-U0-G0
			IV-FT-HS	2277	96	B0-U0-G1	2376	101	B0-U0-G1	2475	105	B0-U0-G1	2574	109	B0-U0-G1		792	44	B0-U0-G1
20	525	35.5	II	4481	126	B1-U0-G1	4676	132	B1-U0-G1	4871	137	B1-U0-G1	5066	143	B1-U0-G1	27.3	1266	46	B1-U0-G0
			II-FR	4511	127	B1-U0-G1	4707	133	B1-U0-G1	4904	138	B1-U0-G1	5100	144	B1-U0-G1		1275	47	B1-U0-G0
			III-M	4560	128	B1-U0-G1	4758	134	B1-U0-G1	4956	140	B1-U0-G1	5154	145	B1-U0-G1		1288	47	B0-U0-G0
			III-W	4234	119	B1-U0-G2	4418	124	B1-U0-G2	4602	130	B1-U0-G2	4786	135	B1-U0-G2		1196	44	B0-U0-G1
			IV	4525	127	B1-U0-G1	4722	133	B1-U0-G1	4919	139	B1-U0-G1	5116	144	B1-U0-G1		1279	47	B0-U0-G1
			IV-FT	4123	116	B1-U0-G2	4302	121	B1-U0-G2	4481	126	B1-U0-G2	4660	131	B1-U0-G2		1165	43	B0-U0-G1
			VSQ-N	4730	133	B2-U0-G1	4935	139	B2-U0-G1	5141	145	B2-U0-G1	5347	151	B2-U0-G1		1337	49	B1-U0-G0
			VSQ-M	4638	131	B3-U0-G1	4839	136	B3-U0-G1	5041	142	B3-U0-G1	5243	148	B3-U0-G1		1311	48	B1-U0-G0
			VSQ-W	4528	128	B3-U0-G2	4725	133	B3-U0-G2	4921	139	B3-U0-G2	5118	144	B3-U0-G2		1279	47	B1-U0-G1
			II-HS	3278	92	B0-U0-G1	3420	96	B0-U0-G1	3563	100	B0-U0-G1	3705	104	B0-U0-G1		926	34	B0-U0-G0
			II-FR-HS	3334	94	B0-U0-G1	3479	98	B0-U0-G1	3624	102	B0-U0-G1	3768	106	B0-U0-G1		942	35	B0-U0-G0
			III-M-HS	3316	93	B0-U0-G1	3460	97	B0-U0-G1	3604	102	B0-U0-G1	3748	106	B0-U0-G1		937	34	B0-U0-G0
			III-W-HS	3246	91	B0-U0-G1	3387	95	B0-U0-G1	3528	99	B0-U0-G1	3669	103	B0-U0-G2		917	34	B0-U0-G1
			IV-HS	3425	96	B0-U0-G1	3574	101	B0-U0-G1	3722	105	B0-U0-G1	3871	109	B0-U0-G1		968	35	B0-U0-G0
			IV-FT-HS	3237	91	B0-U0-G2	3377	95	B0-U0-G2	3518	99	B0-U0-G2	3659	103	B0-U0-G2		915	34	B0-U0-G1
20	700	47.0	II	5637	120	B1-U0-G1	5882	125	B2-U0-G1	6127	130	B2-U0-G1	6372	136	B2-U0-G2	N/A	N/A		
			II-FR	5674	121	B2-U0-G1	5921	126	B2-U0-G1	6168	131	B2-U0-G1	6414	136	B2-U0-G1				
			III-M	5735	122	B1-U0-G2	5984	127	B1-U0-G2	6234	133	B2-U0-G2	6483	138	B2-U0-G2				
			III-W	5325	113	B1-U0-G2	5556	118	B1-U0-G2	5788	123	B1-U0-G2	6019	128	B1-U0-G2				
			IV	5692	121	B1-U0-G1	5939	126	B1-U0-G2	6187	132	B2-U0-G2	6435	137	B2-U0-G2				
			IV-FT	5185	110	B1-U0-G2	5410	115	B1-U0-G2	5636	120	B1-U0-G2	5861	125	B1-U0-G2				
			VSQ-N	5949	127	B2-U0-G1	6208	132	B2-U0-G1	6466	138	B2-U0-G1	6725	143	B2-U0-G1				
			VSQ-M	5834	124	B3-U0-G1	6088	130	B3-U0-G1	6341	135	B3-U0-G1	6595	140	B3-U0-G1				
			VSQ-W	5694	121	B3-U0-G2	5942	126	B3-U0-G2	6189	132	B3-U0-G2	6437	137	B3-U0-G2				
			II-HS	4122	88	B0-U0-G1	4302	92	B0-U0-G1	4481	95	B0-U0-G1	4660	99	B1-U0-G1				
			II-FR-HS	4193	89	B0-U0-G1	4376	93	B0-U0-G1	4558	97	B0-U0-G1	4740	101	B0-U0-G1				
			III-M-HS	4170	89	B0-U0-G1	4351	93	B0-U0-G2	4533	96	B0-U0-G2	4714	100	B0-U0-G2				
			III-W-HS	4082	87	B0-U0-G2	4259	91	B0-U0-G2	4437	94	B0-U0-G2	4614	98	B0-U0-G2				
			IV-HS	4308	92	B0-U0-G1	4495	96	B0-U0-G1	4682	100	B0-U0-G2	4869	104	B0-U0-G2				
			IV-FT-HS	4071	87	B0-U0-G2	4248	90	B0-U0-G2	4425	94	B0-U0-G2	4602	98	B0-U0-G2				
20	875	58.4	II	6639	114	B2-U0-G2	6928	119	B2-U0-G2	7216	124	B2-U0-G2	7505	129	B2-U0-G2	N/A	N/A		
			II-FR	6683	114	B2-U0-G1	6974	119	B2-U0-G1	7264	124	B2-U0-G1	7555	129	B2-U0-G1				
			III-M	6755	116	B2-U0-G2	7048	121	B2-U0-G2	7342	126	B2-U0-G2	7636	131	B2-U0-G2				
			III-W	6272	107	B1-U0-G2	6545	112	B1-U0-G2	6817	117	B1-U0-G2	7090	121	B1-U0-G2				
			IV	6704	115	B2-U0-G2	6996	120	B2-U0-G2	7287	125	B2-U0-G2	7579	130	B2-U0-G2				
			IV-FT	6107	105	B1-U0-G2	6373	109	B1-U0-G2	6638	114	B1-U0-G2	6904	118	B1-U0-G2				
			VSQ-N	7007	120	B2-U0-G1	7312	125	B2-U0-G1	7617	130	B2-U0-G1	7921	136	B3-U0-G1				
			VSQ-M	6871	118	B3-U0-G1	7170	123	B3-U0-G1	7469	128	B3-U0-G1	7767	133	B3-U0-G2				
			VSQ-W	6707	115	B3-U0-G2	6999	120	B3-U0-G2	7290	125	B3-U0-G2	7582	130	B3-U0-G2				
			II-HS	4855	83	B1-U0-G2	5066	87	B1-U0-G2	5278	90	B1-U0-G2	5489	94	B1-U0-G2				
			II-FR-HS	4939	85	B0-U0-G1	5154	88	B0-U0-G1	5368	92	B0-U0-G1	5583	96	B0-U0-G1				
			III-M-HS	4912	84	B0-U0-G2	5126	88	B0-U0-G2	5339	91	B0-U0-G2	5553	95	B0-U0-G2				
			III-W-HS	4808	82	B0-U0-G2	5017	86	B0-U0-G2	5226	89	B0-U0-G2	5436	93	B0-U0-G2				
			IV-HS	5074	87	B0-U0-G2	5295	91	B0-U0-G2	5515	94	B0-U0-G2	5735	98	B0-U0-G2				
			IV-FT-HS	4795	82	B0-U0-G2	5003	86	B0-U0-G2	5212	89	B0-U0-G2	5420	93	B0-U0-G2				

IES File downloads for this product can be found at www.usalgt.com/downloads/asr.html

DS6 SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (DS6-PLED)

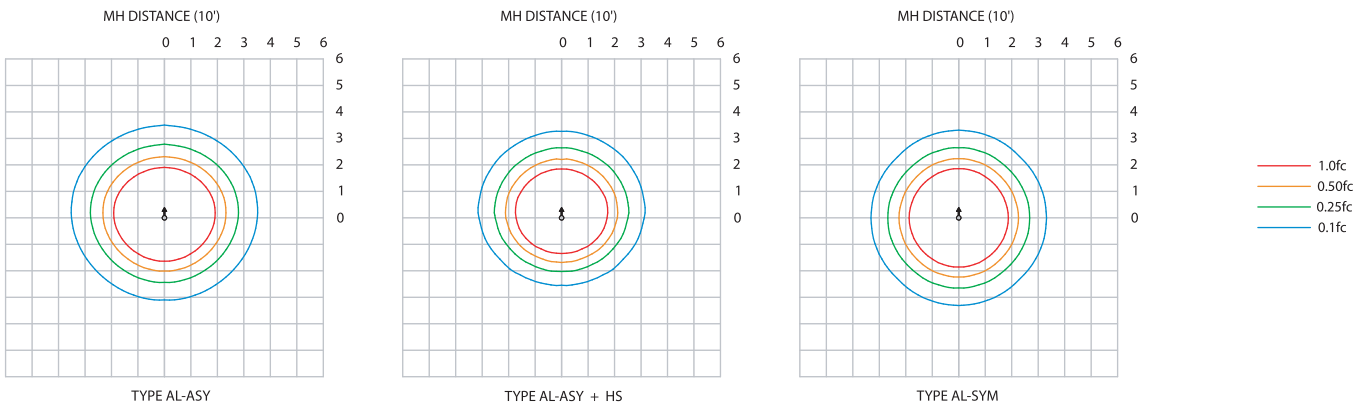
DS6-PLED																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
36	350	41.3	II	5529	134	B1-U0-G1	5769	140	B2-U0-G1	6010	146	B2-U0-G1	6250	151	B2-U0-G1	31.8	1923	60	B1-U0-G1
			II-FR	5567	135	B1-U0-G1	5809	141	B2-U0-G1	6051	147	B2-U0-G1	6293	152	B2-U0-G1		1936	61	B1-U0-G0
			III-M	5626	136	B1-U0-G1	5871	142	B1-U0-G2	6115	148	B1-U0-G2	6360	154	B2-U0-G2		1957	62	B1-U0-G1
			III-W	5224	126	B1-U0-G2	5451	132	B1-U0-G2	5678	137	B1-U0-G2	5905	143	B1-U0-G2		1817	57	B1-U0-G1
			IV	5584	135	B1-U0-G1	5826	141	B1-U0-G1	6069	147	B2-U0-G2	6312	153	B2-U0-G2		1942	61	B1-U0-G1
			IV-FT	5086	123	B1-U0-G2	5307	129	B1-U0-G2	5529	134	B1-U0-G2	5750	139	B1-U0-G2		1769	56	B1-U0-G1
			VSQ-N	5837	141	B2-U0-G1	6091	147	B2-U0-G1	6344	154	B2-U0-G1	6598	160	B2-U0-G1		2030	64	B1-U0-G0
			VSQ-M	5723	139	B3-U0-G1	5972	145	B3-U0-G1	6221	151	B3-U0-G1	6469	157	B3-U0-G1		1991	63	B1-U0-G0
			VSQ-W	5586	135	B3-U0-G2	5829	141	B3-U0-G2	6072	147	B3-U0-G2	6315	153	B3-U0-G2		1943	61	B2-U0-G1
			II-HS	4044	98	B0-U0-G1	4220	102	B0-U0-G1	4395	106	B0-U0-G1	4571	111	B1-U0-G1		1407	44	B0-U0-G0
			II-FR-HS	4114	100	B0-U0-G1	4293	104	B0-U0-G1	4471	108	B0-U0-G1	4650	113	B0-U0-G1		1431	45	B0-U0-G0
			III-M-HS	4091	99	B0-U0-G1	4269	103	B0-U0-G2	4447	108	B0-U0-G2	4624	112	B0-U0-G2		1423	45	B0-U0-G0
			III-W-HS	4005	97	B0-U0-G2	4178	101	B0-U0-G2	4353	105	B0-U0-G2	4527	110	B0-U0-G2		1393	44	B0-U0-G1
			IV-HS	4225	102	B0-U0-G1	4409	107	B0-U0-G1	4592	111	B0-U0-G1	4776	116	B0-U0-G2		1470	46	B0-U0-G0
			IV-FT-HS	3994	97	B0-U0-G2	4167	101	B0-U0-G2	4341	105	B0-U0-G2	4515	109	B0-U0-G2		1389	44	B0-U0-G1
36	525	62.0	II	7862	127	B2-U0-G2	8204	132	B2-U0-G2	8545	138	B2-U0-G2	8887	143	B2-U0-G2	47.7	2222	47	B1-U0-G1
			II-FR	7915	128	B2-U0-G1	8259	133	B2-U0-G1	8603	139	B2-U0-G1	8947	144	B2-U0-G1		2237	47	B1-U0-G0
			III-M	7999	129	B2-U0-G2	8347	135	B2-U0-G2	8695	140	B2-U0-G2	9043	146	B2-U0-G2		2261	47	B1-U0-G1
			III-W	7428	120	B1-U0-G2	7751	125	B1-U0-G2	8074	130	B2-U0-G2	8397	135	B2-U0-G2		2099	44	B1-U0-G1
			IV	7939	128	B2-U0-G2	8284	134	B2-U0-G2	8630	139	B2-U0-G2	8975	145	B2-U0-G2		2244	47	B1-U0-G1
			IV-FT	7232	117	B2-U0-G2	7547	122	B2-U0-G2	7861	127	B2-U0-G2	8176	132	B2-U0-G2		2044	43	B1-U0-G1
			VSQ-N	8297	134	B3-U0-G1	8658	140	B3-U0-G1	9019	145	B3-U0-G1	9380	151	B3-U0-G1		2345	49	B1-U0-G0
			VSQ-M	8137	131	B3-U0-G2	8491	137	B3-U0-G2	8844	143	B3-U0-G2	9198	148	B3-U0-G2		2299	48	B2-U0-G1
			VSQ-W	7943	128	B3-U0-G2	8289	134	B3-U0-G2	8634	139	B4-U0-G2	8980	145	B4-U0-G2		2245	47	B2-U0-G1
			II-HS	5750	93	B1-U0-G2	6000	97	B1-U0-G2	6250	101	B1-U0-G2	6500	105	B1-U0-G2		1625	34	B0-U0-G0
			II-FR-HS	5849	94	B1-U0-G1	6103	98	B1-U0-G1	6357	103	B1-U0-G1	6611	107	B1-U0-G1		1653	35	B0-U0-G0
			III-M-HS	5817	94	B0-U0-G2	6069	98	B0-U0-G2	6322	102	B0-U0-G2	6575	106	B0-U0-G2		1644	34	B0-U0-G1
			III-W-HS	5694	92	B0-U0-G2	5941	96	B0-U0-G2	6189	100	B0-U0-G2	6436	104	B0-U0-G2		1609	34	B0-U0-G1
			IV-HS	6008	97	B0-U0-G2	6269	101	B0-U0-G2	6530	105	B0-U0-G2	6791	110	B0-U0-G2		1698	36	B0-U0-G1
			IV-FT-HS	5678	92	B0-U0-G2	5925	96	B0-U0-G2	6172	100	B0-U0-G2	6419	104	B0-U0-G2		1605	34	B0-U0-G1
36	700	82.6	II	9889	120	B2-U0-G2	10319	125	B2-U0-G2	10749	130	B2-U0-G2	11179	135	B2-U0-G2	N/A	N/A		
			II-FR	9955	121	B2-U0-G1	10388	126	B2-U0-G1	10820	131	B2-U0-G1	11253	136	B3-U0-G1				
			III-M	10061	122	B2-U0-G2	10499	127	B2-U0-G2	10936	132	B2-U0-G2	11374	138	B2-U0-G2				
			III-W	9342	113	B2-U0-G3	9748	118	B2-U0-G3	10154	123	B2-U0-G3	10560	128	B2-U0-G3				
			IV	9986	121	B2-U0-G2	10420	126	B2-U0-G2	10854	131	B2-U0-G2	11289	137	B2-U0-G2				
			IV-FT	9096	110	B2-U0-G3	9492	115	B2-U0-G3	9887	120	B2-U0-G3	10283	124	B2-U0-G3				
			VSQ-N	10437	126	B3-U0-G1	10890	132	B3-U0-G1	11344	137	B3-U0-G1	11798	143	B3-U0-G1				
			VSQ-M	10235	124	B3-U0-G2	10680	129	B4-U0-G2	11125	135	B4-U0-G2	11570	140	B4-U0-G2				
			VSQ-W	9990	121	B4-U0-G3	10425	126	B4-U0-G3	10859	131	B4-U0-G3	11294	137	B4-U0-G3				
			II-HS	7232	88	B1-U0-G2	7547	91	B1-U0-G2	7861	95	B1-U0-G2	8175	99	B1-U0-G2				
			II-FR-HS	7356	89	B1-U0-G1	7676	93	B1-U0-G1	7996	97	B1-U0-G1	8315	101	B1-U0-G1				
			III-M-HS	7316	89	B0-U0-G2	7634	92	B1-U0-G2	7952	96	B1-U0-G2	8270	100	B1-U0-G2				
			III-W-HS	7161	87	B0-U0-G2	7472	90	B0-U0-G2	7784	94	B0-U0-G2	8095	98	B1-U0-G2				
			IV-HS	7557	91	B1-U0-G2	7886	95	B1-U0-G2	8214	99	B1-U0-G2	8542	103	B1-U0-G2				
			IV-FT-HS	7142	86	B1-U0-G3	7453	90	B1-U0-G3	7763	94	B1-U0-G3	8074	98	B1-U0-G3				

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DS6 SERIES - LED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS (DS6-PLED-AL)

DS6-PLED-AL-36LED-525mA-40K - 10' Mounting Height



PHOTOMETRIC DATA GUIDE - LUMEN TABLES (DS6-PLED-AL)

DS6-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
36	175	20.6	ASY	2243	109	B1-U0-G1	2340	114	B1-U0-G1	2438	118	B1-U0-G1	2536	123	B1-U0-G1	15.9	878	55	B0-U0-G0
			SYM	2245	109	B1-U0-G1	2343	114	B1-U0-G1	2441	118	B1-U0-G1	2538	123	B1-U0-G1		879	55	B1-U0-G0
			ASY-HS	1605	78	B1-U0-G1	1675	81	B1-U0-G1	1745	85	B1-U0-G1	1814	88	B1-U0-G1		628	40	B0-U0-G0
36	350	41.3	ASY	4232	102	B2-U0-G1	4416	107	B2-U0-G1	4600	111	B2-U0-G1	4784	116	B2-U0-G1	31.8	1472	46	B1-U0-G1
			SYM	4237	103	B2-U0-G1	4421	107	B2-U0-G1	4605	112	B2-U0-G1	4789	116	B2-U0-G1		1473	46	B1-U0-G0
			ASY-HS	3028	73	B1-U0-G1	3160	77	B1-U0-G1	3292	80	B1-U0-G1	3423	83	B1-U0-G1		1053	33	B1-U0-G0
36	525	62.0	ASY	6018	97	B2-U0-G1	6280	101	B2-U0-G2	6541	106	B2-U0-G2	6803	110	B2-U0-G2	47.7	1701	36	B1-U0-G1
			SYM	6024	97	B2-U0-G1	6286	101	B2-U0-G1	6548	106	B2-U0-G1	6810	110	B2-U0-G1		1703	36	B1-U0-G0
			ASY-HS	4306	69	B1-U0-G1	4493	72	B1-U0-G1	4681	75	B2-U0-G1	4868	79	B2-U0-G1		1217	26	B1-U0-G0
36	700	82.6	ASY	7571	92	B2-U0-G2	7900	96	B2-U0-G2	8229	100	B3-U0-G2	8559	104	B3-U0-G2	N/A	N/A		
			SYM	7579	92	B3-U0-G1	7909	96	B3-U0-G1	8238	100	B3-U0-G1	8568	104	B3-U0-G1				
			ASY-HS	5418	66	B2-U0-G1	5653	68	B2-U0-G1	5889	71	B2-U0-G1	6124	74	B2-U0-G1				

IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html



DEZINER SERIES 6

Small Neoclassical, Domed Bell Luminaire

Features

The NEW Deziner Series is a flexible, configurable pedestrian scale decorative pendant luminaire with an 6.7" 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.

PROJECT NAME: _____

PROJECT TYPE: _____



DS6A
Angled



DS6C
Concave/Flared



DS6D
Deep Bell



DS6S
Skirted



DS6T
Tiered

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



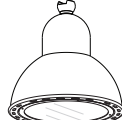
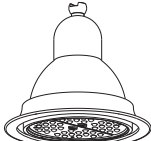
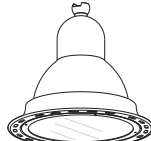
U.L. Listed for
Wet Location

2023062

DEZİNER SERIES 6 - PLED SMALL

PRODUCT CONFIGURATIONS

EPA & WEIGHT

Base Model	w/ unlit Bands	w/ Ambience™ Low Luminance Lens	w/ unlit Bands & Ambience™ Low Luminance Lens
 DS6A Max Weight = 17 lbs Max EPA = 0.58 36 LED Max	 DS6AB Max Weight = 18 lbs Max EPA = 0.63 36 LED Max	 DS6A-AL Max Weight = 17 lbs Max EPA = 0.58 36 LED Max	 DS6AB-AL Max Weight = 18 lbs Max EPA = 0.63 36 LED Max
 DS6C Max Weight = 17 lbs Max EPA = 0.54 36 LED Max	 DS6CB Max Weight = 18 lbs Max EPA = 0.59 36 LED Max	 DS6C-AL Max Weight = 17 lbs Max EPA = 0.54 36 LED Max	 DS6CB-AL Max Weight = 18 lbs Max EPA = 0.59 36 LED Max
 DS6D Max Weight = 18 lbs Max EPA = 0.74 36 LED Max	 DS6DB Max Weight = 19 lbs Max EPA = 0.79 36 LED Max	 DS6D-AL Max Weight = 18 lbs Max EPA = 0.74 36 LED Max	 DS6DB-AL Max Weight = 19 lbs Max EPA = 0.79 36 LED Max
 DS6S Max Weight = 19 lbs Max EPA = 0.79 36 LED Max	 DS6SB Max Weight = 20lbs Max EPA = 0.84 36 LED Max	 DS6S-AL Max Weight = 19 lbs Max EPA = 0.79 36 LED Max	 DS6SB-AL Max Weight = 20lbs Max EPA = 0.84 36 LED Max
 DS6T Max Weight = 16 lbs Max EPA = 0.58 36 LED Max	 DS6TB Max Weight = 17 lbs Max EPA = 0.63 36 LED Max	 DS6T-AL Max Weight = 16 lbs Max EPA = 0.58 36 LED Max	 DS6TB-AL Max Weight = 17 lbs Max EPA = 0.63 36 LED Max

DEZİNER SERIES 6 - PLED SMALL

ORDERING INFORMATION

Spec/Order Example: DS6CB/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
☐ DS6	☐ Angled	A	☐ PLED-II 	☐ 36LED	☐ 875mA ¹	☐ 27K (2700K)	☐ UNV (120-277)
	☐ Angled w/ unlit Bands	AB	☐ PLED-II-FR 	☐ 20LED	☐ 700mA	☐ 30K (3000K)	☐ 347
	☐ Concave/Flared	C	☐ PLED-III 		☐ 525mA	☐ 40K (4000K)	☐ 480
	☐ Concave/Flared w/ unlit Bands	CB	☐ PLED-III-W 		☐ 350mA	☐ 50K (5000K)	
	☐ Deep Bell	D	☐ PLED-IV 			☐ TRA ² True Amber	
	☐ Deep Bell w/ unlit Bands	DB	☐ PLED-IV-FT 				
	☐ Hooded	H	☐ PLED-V-SQ-N 				
	☐ Hooded w/ unlit Bands	HB	☐ PLED-V-SQ-M 				
	☐ Skirted	S	☐ PLED-V-SQ-W 				
	☐ Skirted w/ unlit Bands	SB					
	☐ Tiered	T					
	☐ Tiered w/ unlit Bands	TB					

			PLED™ Distribution Type				
			Ambience™ Lens Option:				
			☐ AL-ASY				
			☐ AL-ASY-HS				
			☐ AL-SYM				

NOTES:		
1 - 875mA not available with 36LED, available with 20LED only		
2 - TRA available in 350mA & 525mA Drive Currents only		
Consult factory for other CCT, CRI, & Drive Current options		

A

AB

C

CB

D

DB

H

HB

S

SB

T

TB

Mounting	Finish	Options
Mounting	Finish	Options
Arm Mount ☐ 1 ☐ 2-180 ☐ 2-90 ☐ 3-90 ☐ 3-120 ☐ 4-90 Wall Mount ☐ WM WM - Wall Mount provided with mounting bracket and cover. Pendant Mount ☐ Stem Mount + Length(in) (48" Max) ☐ Chain Mount + Length(in) (48" Max) ☐ Cable Clamp J-Box ☐ Cross Cable Clamp J-Box	Standard Textured Finish ☐ Black ☐ White ☐ Grey ☐ Dark Bronze ☐ Green Premium Finishes ☐ Rust ☐ Patina Copper For smooth finish replace suffix "T" with suffix "S" (Example: RAL-9500-S) Consult factor for custom colors	☐ Internal House Side Shield incl. LED Count (Example: HS-PLED/48) ☐ Twist Lock Receptable Only ☐ 7-Pin Twist Lock Receptable Only ☐ High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HLSW/25) ☐ Twist Lock Photocell + Voltage (Example: TPC347V) ☐ Photocell + Voltage (Example: PC120V) ☐ Single Fuse (Example: DF277V) ☐ Double Fuse (Example: DF240V) ☐ Blue-Tooth Programmable Photo/Motion Sensor (Factory - Motion 50/100; Photo 75fc) HS-PLED TPR TPR7 HLSW TPC+V PC+V SF+V DF+V MS-F311

SM+L

CM+L

CCB

CCC

DEZİNER SERIES 6 - PLED SMALL

SAMPLE ASSEMBLIES



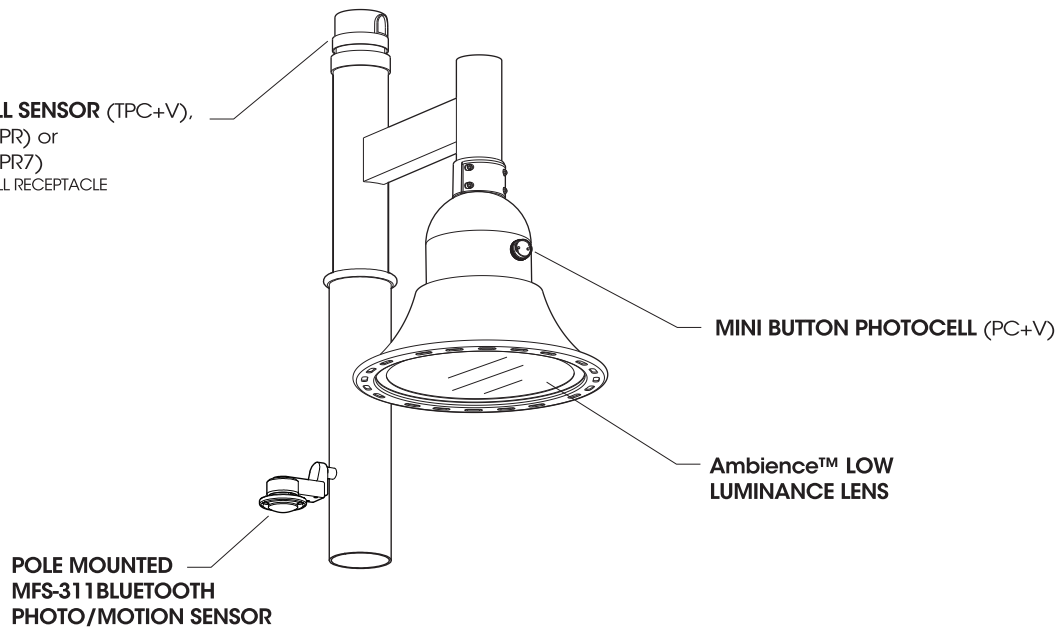
- A. 24-1040-9' / XALM-1 / DS6DB-AL / LED / ACCESSORIES / FINISH
- B. 17-1030C-13'-4" / XPDM-2-180 / DS6S / LED / ACCESSORIES / FINISH
- C. 1M-106O-9' / XPCM-1 / DS6C-AL / LED / ACCESSORIES / FINISH
- D. 25-1035T-11' / XASM-2-180 / DS6TB / LED / ACCESSORIES / FINISH
- E. WM-XPKM / DS6A-AL / LED / ACCESSORIES / FINISH

Sample Assemblies show a small offering of the Sun Valley Line of Poles, Bases, Shafts, Arms, & Luminares. Please visit usalftg.com for the full product offering.

DEZİNER SERIES 6 - PLED SMALL

OPTIONS

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



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.

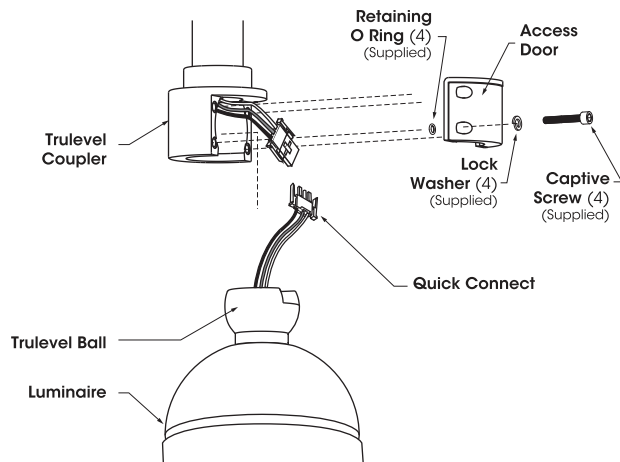
Wireless and Other Fixture Controls

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

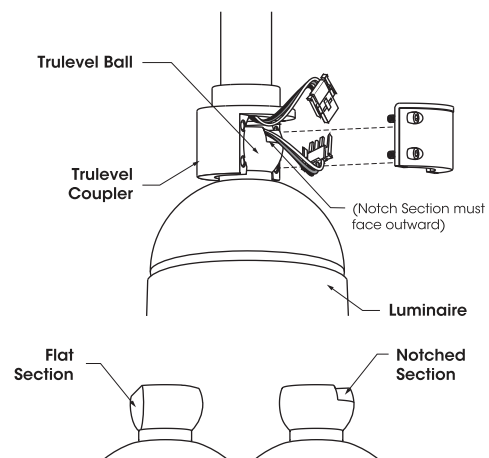
DEZİNER SERIES 6 - PLED SMALL

INSTALLATION DETAIL

Trulevel System® Assembly



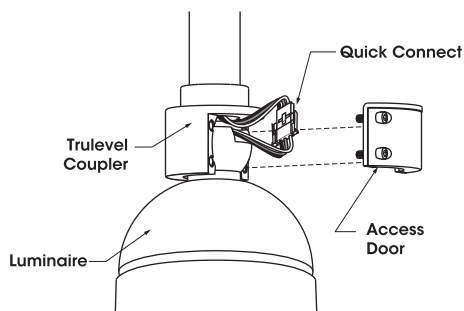
1. Loosen (4) Captive Screws and remove Access Door from Trulevel Coupler, pull out Quick Connect from Trulevel Coupler and Trulevel Ball.



2. Place Trulevel Ball inside of Trulevel Coupler as illustrated.

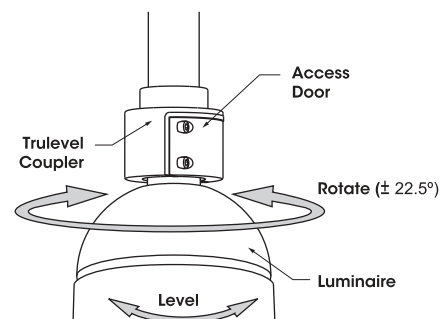
A - Notched Section of Trulevel Ball must face outward as illustrated.

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.



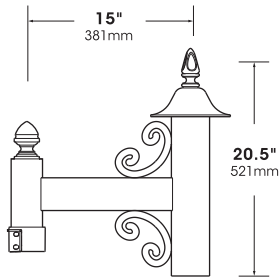
4. Rotate (left to right $\pm 22.5^\circ$) and level Luminaire to desired position. Tighten Access Door.

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

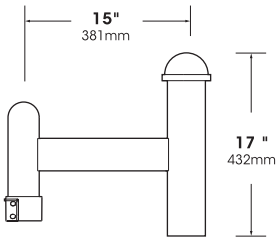
Trulevel Pendant Mount is intended to allow for fixture leveling, but is not intended to be "free-swinging" upon proper installation.

DEZİNER SERIES 6 - PLED SMALL

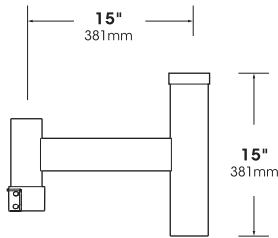
ARMS



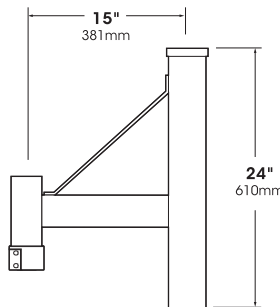
XAJM-PM



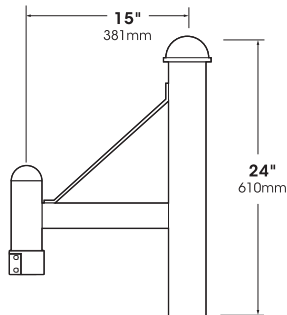
XALM-PM



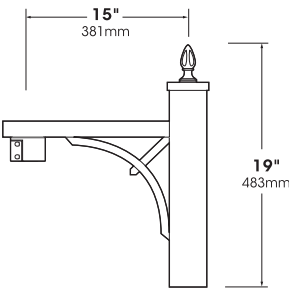
XAOM-PM



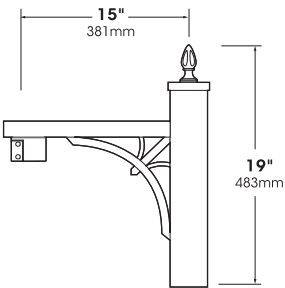
XASM-1



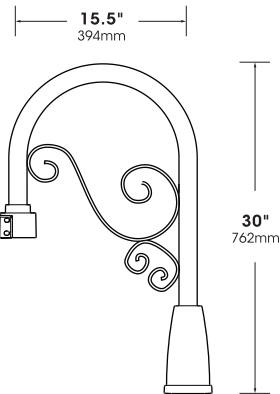
XBSM-1



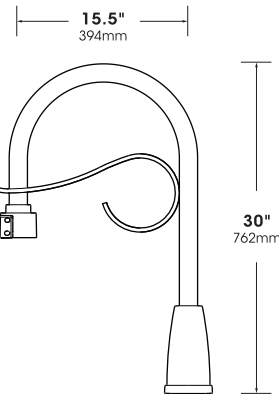
XCNAM-1



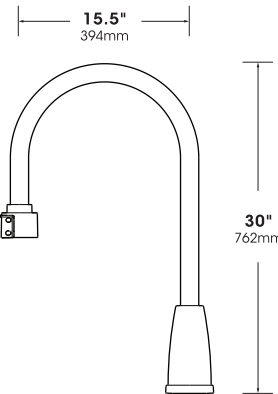
XCNBM-1



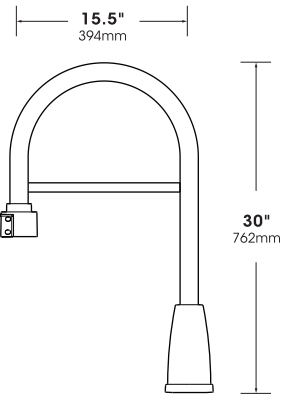
XPCM



XPDM



XPKM



XPSM

DS6 SERIES - LED

PHOTOMETRIC DATA GUIDE - LM-80 LUMEN MAINTENANCE

LED LUMEN MAINTENANCE (350mA to 700mA)		
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 Dicates that L93 > 100,000 Hours.
Lumen Depreciation Calculations Done in Accordance With IESNA TM-21 & LM-80 (25°C Ambient)

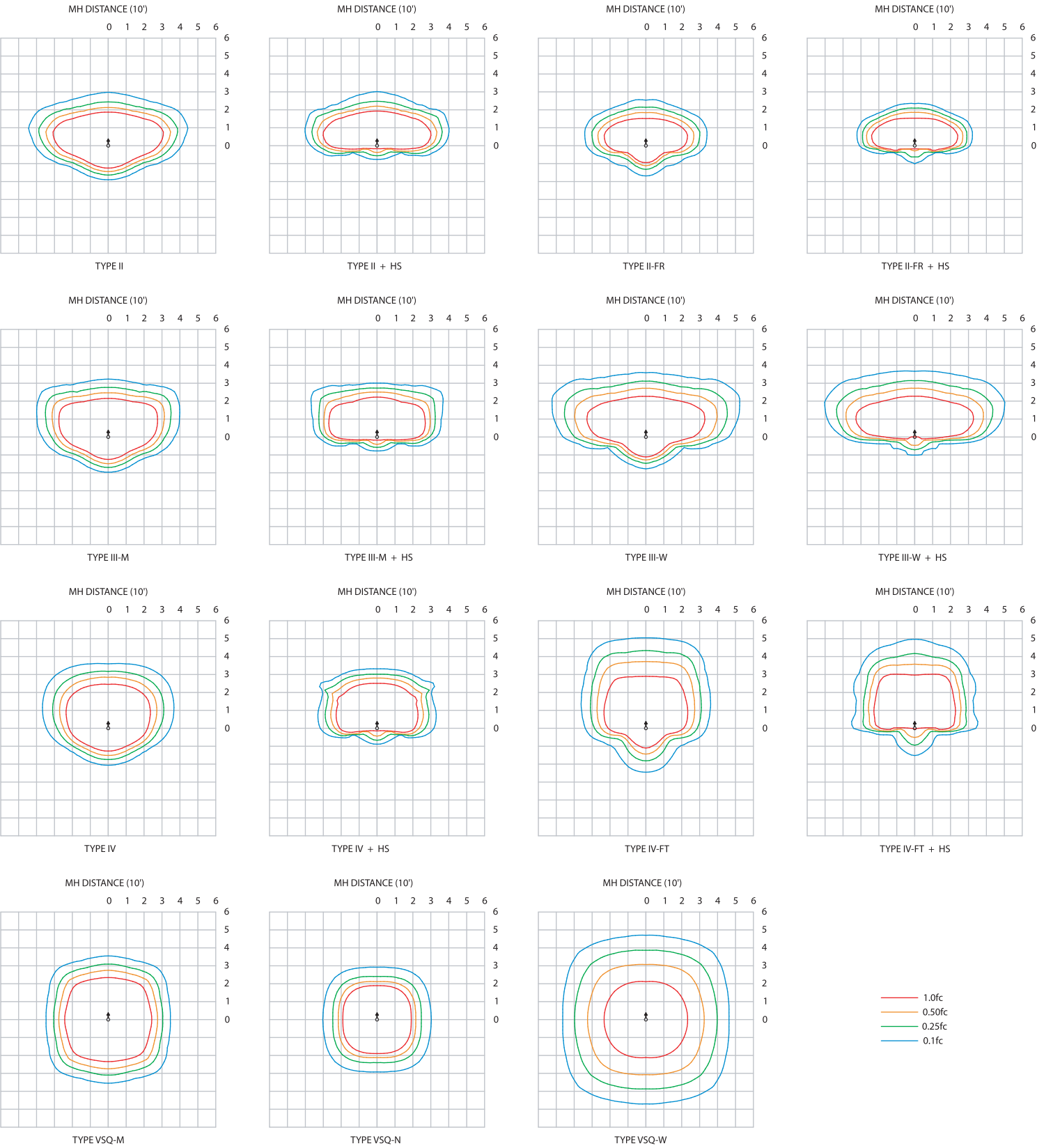
ELECTRICAL DATA GUIDE - AMPERAGE CHART

# of LEDs	mA	System Watts	120V	208V	277V	347V	480V
20	350	23.6	0.20	0.11	0.09	0.07	0.05
20	525	35.5	0.30	0.17	0.13	0.10	0.07
20	700	47.0	0.39	0.23	0.17	0.14	0.10
20	875	58.4	0.49	0.28	0.21	0.17	0.12
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	103.2	0.86	0.50	0.37	0.30	0.22

DS6 SERIES - LED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS (DS6-PLED)

DS6A-PLED-20LED-700mA-40K - 10' Mounting Height



IES File downloads for this product can be found at www.usalftg.com/downloads/asr.html

DS6 SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (DS6-PLED)

DS6-PLED																			
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
20	350	23.6	II	3152	134	B1-U0-G1	3288	139	B1-U0-G1	3426	145	B1-U0-G1	3563	151	B1-U0-G1	18.2	1096	60	B0-U0-G0
			II-FR	3173	134	B1-U0-G1	3311	140	B1-U0-G1	3449	146	B1-U0-G1	3587	152	B1-U0-G1		1104	61	B0-U0-G0
			III-M	3207	136	B1-U0-G1	3346	142	B1-U0-G1	3486	148	B1-U0-G1	3625	154	B1-U0-G1		1115	61	B0-U0-G0
			III-W	2978	126	B1-U0-G1	3107	132	B1-U0-G1	3237	137	B1-U0-G1	3366	143	B1-U0-G1		1036	57	B0-U0-G1
			IV	3183	135	B1-U0-G1	3321	141	B1-U0-G1	3459	147	B1-U0-G1	3598	152	B1-U0-G1		1107	61	B0-U0-G0
			IV-FT	2899	123	B1-U0-G1	3025	128	B1-U0-G1	3151	134	B1-U0-G1	3277	139	B1-U0-G1		1008	55	B0-U0-G1
			VSQ-N	3327	141	B2-U0-G0	3472	147	B2-U0-G0	3616	153	B2-U0-G0	3761	159	B2-U0-G0		1157	64	B1-U0-G0
			VSQ-M	3262	138	B2-U0-G1	3404	144	B2-U0-G1	3546	150	B2-U0-G1	3688	156	B2-U0-G1		1135	62	B1-U0-G0
			VSQ-W	3184	135	B2-U0-G1	3322	141	B2-U0-G1	3461	147	B3-U0-G1	3600	153	B3-U0-G1		1108	61	B1-U0-G1
			II-HS	2305	98	B0-U0-G1	2405	102	B0-U0-G1	2505	106	B0-U0-G1	2606	110	B0-U0-G1		802	44	B0-U0-G0
			II-FR-HS	2345	99	B0-U0-G0	2447	104	B0-U0-G0	2549	108	B0-U0-G0	2651	112	B0-U0-G0		816	45	B0-U0-G0
			III-M-HS	2332	99	B0-U0-G1	2433	103	B0-U0-G1	2535	107	B0-U0-G1	2636	112	B0-U0-G1		811	45	B0-U0-G0
			III-W-HS	2282	97	B0-U0-G1	2382	101	B0-U0-G1	2481	105	B0-U0-G1	2580	109	B0-U0-G1		794	44	B0-U0-G1
			IV-HS	2409	102	B0-U0-G1	2513	106	B0-U0-G1	2618	111	B0-U0-G1	2722	115	B0-U0-G1		838	46	B0-U0-G0
			IV-FT-HS	2277	96	B0-U0-G1	2376	101	B0-U0-G1	2475	105	B0-U0-G1	2574	109	B0-U0-G1		792	44	B0-U0-G1
			II	4481	126	B1-U0-G1	4676	132	B1-U0-G1	4871	137	B1-U0-G1	5066	143	B1-U0-G1	27.3	1266	46	B1-U0-G0
			II-FR	4511	127	B1-U0-G1	4707	133	B1-U0-G1	4904	138	B1-U0-G1	5100	144	B1-U0-G1		1275	47	B1-U0-G0
			III-M	4560	128	B1-U0-G1	4758	134	B1-U0-G1	4956	140	B1-U0-G1	5154	145	B1-U0-G1		1288	47	B0-U0-G0
			III-W	4234	119	B1-U0-G2	4418	124	B1-U0-G2	4602	130	B1-U0-G2	4786	135	B1-U0-G2		1196	44	B0-U0-G1
			IV	4525	127	B1-U0-G1	4722	133	B1-U0-G1	4919	139	B1-U0-G1	5116	144	B1-U0-G1		1279	47	B0-U0-G1
			IV-FT	4123	116	B1-U0-G2	4302	121	B1-U0-G2	4481	126	B1-U0-G2	4660	131	B1-U0-G2		1165	43	B0-U0-G1
			VSQ-N	4730	133	B2-U0-G1	4935	139	B2-U0-G1	5141	145	B2-U0-G1	5347	151	B2-U0-G1		1337	49	B1-U0-G0
			VSQ-M	4638	131	B3-U0-G1	4839	136	B3-U0-G1	5041	142	B3-U0-G1	5243	148	B3-U0-G1		1311	48	B1-U0-G0
			VSQ-W	4528	128	B3-U0-G2	4725	133	B3-U0-G2	4921	139	B3-U0-G2	5118	144	B3-U0-G2		1279	47	B1-U0-G1
			II-HS	3278	92	B0-U0-G1	3420	96	B0-U0-G1	3563	100	B0-U0-G1	3705	104	B0-U0-G1		926	34	B0-U0-G0
			II-FR-HS	3334	94	B0-U0-G1	3479	98	B0-U0-G1	3624	102	B0-U0-G1	3768	106	B0-U0-G1		942	35	B0-U0-G0
			III-M-HS	3316	93	B0-U0-G1	3460	97	B0-U0-G1	3604	102	B0-U0-G1	3748	106	B0-U0-G1		937	34	B0-U0-G0
			III-W-HS	3246	91	B0-U0-G1	3387	95	B0-U0-G1	3528	99	B0-U0-G1	3669	103	B0-U0-G2		917	34	B0-U0-G1
			IV-HS	3425	96	B0-U0-G1	3574	101	B0-U0-G1	3722	105	B0-U0-G1	3871	109	B0-U0-G1		968	35	B0-U0-G0
			IV-FT-HS	3237	91	B0-U0-G2	3377	95	B0-U0-G2	3518	99	B0-U0-G2	3659	103	B0-U0-G2		915	34	B0-U0-G1
			II	5637	120	B1-U0-G1	5882	125	B2-U0-G1	6127	130	B2-U0-G1	6372	136	B2-U0-G2	N/A	N/A		
			II-FR	5674	121	B2-U0-G1	5921	126	B2-U0-G1	6168	131	B2-U0-G1	6414	136	B2-U0-G1				
			III-M	5735	122	B1-U0-G2	5984	127	B1-U0-G2	6234	133	B2-U0-G2	6483	138	B2-U0-G2				
			III-W	5325	113	B1-U0-G2	5556	118	B1-U0-G2	5788	123	B1-U0-G2	6019	128	B1-U0-G2				
			IV	5692	121	B1-U0-G1	5939	126	B1-U0-G2	6187	132	B2-U0-G2	6435	137	B2-U0-G2				
			IV-FT	5185	110	B1-U0-G2	5410	115	B1-U0-G2	5636	120	B1-U0-G2	5861	125	B1-U0-G2				
			VSQ-N	5949	127	B2-U0-G1	6208	132	B2-U0-G1	6466	138	B2-U0-G1	6725	143	B2-U0-G1				
			VSQ-M	5834	124	B3-U0-G1	6088	130	B3-U0-G1	6341	135	B3-U0-G1	6595	140	B3-U0-G1				
			VSQ-W	5694	121	B3-U0-G2	5942	126	B3-U0-G2	6189	132	B3-U0-G2	6437	137	B3-U0-G2				
			II-HS	4122	88	B0-U0-G1	4302	92	B0-U0-G1	4481	95	B0-U0-G1	4660	99	B1-U0-G1				
			II-FR-HS	4193	89	B0-U0-G1	4376	93	B0-U0-G1	4558	97	B0-U0-G1	4740	101	B0-U0-G1				
			III-M-HS	4170	89	B0-U0-G1	4351	93	B0-U0-G2	4533	96	B0-U0-G2	4714	100	B0-U0-G2				
			III-W-HS	4082	87	B0-U0-G2	4259	91	B0-U0-G2	4437	94	B0-U0-G2	4614	98	B0-U0-G2				
			IV-HS	4308	92	B0-U0-G1	4495	96	B0-U0-G1	4682	100	B0-U0-G2	4869	104	B0-U0-G2				
			IV-FT-HS	4071	87	B0-U0-G2	4248	90	B0-U0-G2	4425	94	B0-U0-G2	4602	98	B0-U0-G2				
			II	6639	114	B2-U0-G2	6928	119	B2-U0-G2	7216	124	B2-U0-G2	7505	129	B2-U0-G2	N/A	N/A		
			II-FR	6683	114	B2-U0-G1	6974	119	B2-U0-G1	7264	124	B2-U0-G1	7555	129	B2-U0-G1				
			III-M	6755	116	B2-U0-G2	7048	121	B2-U0-G2	7342	126	B2-U0-G2	7636	131	B2-U0-G2				
			III-W	6272	107	B1-U0-G2	6545	112	B1-U0-G2	6817	117	B1-U0-G2	7090	121	B1-U0-G2				
			IV	6704	115	B2-U0-G2	6996	120	B2-U0-G2	7287	125	B2-U0-G2	7579	130	B2-U0-G2				
			IV-FT	6107	105	B1-U0-G2	6373	109	B1-U0-G2	6638	114	B1-U0-G2	6904	118	B1-U0-G2				
			VSQ-N	7007	120	B2-U0-G1	7312	125	B2-U0-G1	7617	130	B2-U0-G1	7921	136	B3-U0-G1				
			VSQ-M	6871	118	B3-U0-G1	7170	123	B3-U0-G1	7469	128	B3-U0-G1	7767	133	B3-U0-G2				
			VSQ-W	6707	115	B3-U0-G2	6999	120	B3-U0-G2	7290	125	B3-U0-G2	7582	130	B3-U0-G2				
			II-HS	4855	83	B1-U0-G2	5066	87	B1-U0-G2	5278	90	B1-U0-G2	5489	94	B1-U0-G2				
			II-FR-HS	4939	85	B0-U0-G1	5154	88	B0-U0-G1	5368	92	B0-U0-G1	5583	96	B0-U0-G1				
			III-M-HS	4912	84	B0-U0-G2	5126	88	B0-U0-G2	5339	91	B0-U0-G2	5553	95	B0-U0-G2				
			III-W-HS	4808	82	B0-U0-G2	5017	86	B0-U0-G2	5226	89	B0-U0-G2	5436	93	B0-U0-G2				
			IV-HS	5074	87	B0-U0-G2	5295	91	B0-U0-G2	5515	94	B0-U0-G2	5735	98	B0-U0-G2				
			IV-FT-HS	4795	82	B0-U0-G2	5003	86	B0-U0-G2	5212	89	B0-U0-G2	5420	93	B0-U0-G2				

IES File downloads for this product can be found at www.usalgt.com/downloads/asr.html

DS6 SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (DS6-PLD)

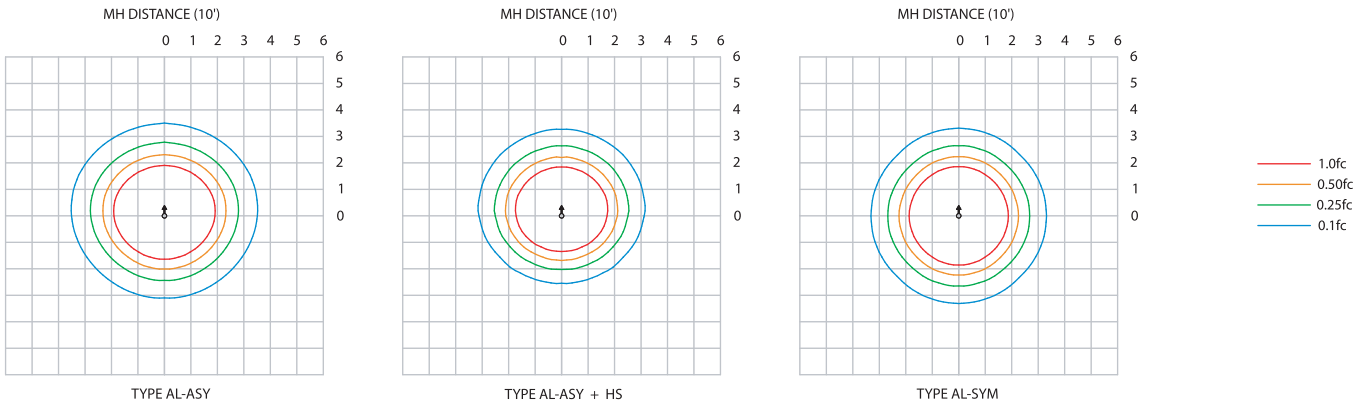
DS6-PLD																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
36	350	41.3	II	5529	134	B1-U0-G1	5769	140	B2-U0-G1	6010	146	B2-U0-G1	6250	151	B2-U0-G1	31.8	1923	60	B1-U0-G1
			II-FR	5567	135	B1-U0-G1	5809	141	B2-U0-G1	6051	147	B2-U0-G1	6293	152	B2-U0-G1		1936	61	B1-U0-G0
			III-M	5626	136	B1-U0-G1	5871	142	B1-U0-G2	6115	148	B1-U0-G2	6360	154	B2-U0-G2		1957	62	B1-U0-G1
			III-W	5224	126	B1-U0-G2	5451	132	B1-U0-G2	5678	137	B1-U0-G2	5905	143	B1-U0-G2		1817	57	B1-U0-G1
			IV	5584	135	B1-U0-G1	5826	141	B1-U0-G1	6069	147	B2-U0-G2	6312	153	B2-U0-G2		1942	61	B1-U0-G1
			IV-FT	5086	123	B1-U0-G2	5307	129	B1-U0-G2	5529	134	B1-U0-G2	5750	139	B1-U0-G2		1769	56	B1-U0-G1
			VSQ-N	5837	141	B2-U0-G1	6091	147	B2-U0-G1	6344	154	B2-U0-G1	6598	160	B2-U0-G1		2030	64	B1-U0-G0
			VSQ-M	5723	139	B3-U0-G1	5972	145	B3-U0-G1	6221	151	B3-U0-G1	6469	157	B3-U0-G1		1991	63	B1-U0-G0
			VSQ-W	5586	135	B3-U0-G2	5829	141	B3-U0-G2	6072	147	B3-U0-G2	6315	153	B3-U0-G2		1943	61	B2-U0-G1
			II-HS	4044	98	B0-U0-G1	4220	102	B0-U0-G1	4395	106	B0-U0-G1	4571	111	B1-U0-G1		1407	44	B0-U0-G0
			II-FR-HS	4114	100	B0-U0-G1	4293	104	B0-U0-G1	4471	108	B0-U0-G1	4650	113	B0-U0-G1		1431	45	B0-U0-G0
			III-M-HS	4091	99	B0-U0-G1	4269	103	B0-U0-G2	4447	108	B0-U0-G2	4624	112	B0-U0-G2		1423	45	B0-U0-G0
			III-W-HS	4005	97	B0-U0-G2	4178	101	B0-U0-G2	4353	105	B0-U0-G2	4527	110	B0-U0-G2		1393	44	B0-U0-G1
			IV-HS	4225	102	B0-U0-G1	4409	107	B0-U0-G1	4592	111	B0-U0-G1	4776	116	B0-U0-G2		1470	46	B0-U0-G0
			IV-FT-HS	3994	97	B0-U0-G2	4167	101	B0-U0-G2	4341	105	B0-U0-G2	4515	109	B0-U0-G2		1389	44	B0-U0-G1
36	525	62.0	II	7862	127	B2-U0-G2	8204	132	B2-U0-G2	8545	138	B2-U0-G2	8887	143	B2-U0-G2	47.7	2222	47	B1-U0-G1
			II-FR	7915	128	B2-U0-G1	8259	133	B2-U0-G1	8603	139	B2-U0-G1	8947	144	B2-U0-G1		2237	47	B1-U0-G0
			III-M	7999	129	B2-U0-G2	8347	135	B2-U0-G2	8695	140	B2-U0-G2	9043	146	B2-U0-G2		2261	47	B1-U0-G1
			III-W	7428	120	B1-U0-G2	7751	125	B1-U0-G2	8074	130	B2-U0-G2	8397	135	B2-U0-G2		2099	44	B1-U0-G1
			IV	7939	128	B2-U0-G2	8284	134	B2-U0-G2	8630	139	B2-U0-G2	8975	145	B2-U0-G2		2244	47	B1-U0-G1
			IV-FT	7232	117	B2-U0-G2	7547	122	B2-U0-G2	7861	127	B2-U0-G2	8176	132	B2-U0-G2		2044	43	B1-U0-G1
			VSQ-N	8297	134	B3-U0-G1	8658	140	B3-U0-G1	9019	145	B3-U0-G1	9380	151	B3-U0-G1		2345	49	B1-U0-G0
			VSQ-M	8137	131	B3-U0-G2	8491	137	B3-U0-G2	8844	143	B3-U0-G2	9198	148	B3-U0-G2		2299	48	B2-U0-G1
			VSQ-W	7943	128	B3-U0-G2	8289	134	B3-U0-G2	8634	139	B4-U0-G2	8980	145	B4-U0-G2		2245	47	B2-U0-G1
			II-HS	5750	93	B1-U0-G2	6000	97	B1-U0-G2	6250	101	B1-U0-G2	6500	105	B1-U0-G2		1625	34	B0-U0-G0
			II-FR-HS	5849	94	B1-U0-G1	6103	98	B1-U0-G1	6357	103	B1-U0-G1	6611	107	B1-U0-G1		1653	35	B0-U0-G0
			III-M-HS	5817	94	B0-U0-G2	6069	98	B0-U0-G2	6322	102	B0-U0-G2	6575	106	B0-U0-G2		1644	34	B0-U0-G1
			III-W-HS	5694	92	B0-U0-G2	5941	96	B0-U0-G2	6189	100	B0-U0-G2	6436	104	B0-U0-G2		1609	34	B0-U0-G1
			IV-HS	6008	97	B0-U0-G2	6269	101	B0-U0-G2	6530	105	B0-U0-G2	6791	110	B0-U0-G2		1698	36	B0-U0-G1
			IV-FT-HS	5678	92	B0-U0-G2	5925	96	B0-U0-G2	6172	100	B0-U0-G2	6419	104	B0-U0-G2		1605	34	B0-U0-G1
36	700	82.6	II	9889	120	B2-U0-G2	10319	125	B2-U0-G2	10749	130	B2-U0-G2	11179	135	B2-U0-G2	N/A	N/A		
			II-FR	9955	121	B2-U0-G1	10388	126	B2-U0-G1	10820	131	B2-U0-G1	11253	136	B3-U0-G1				
			III-M	10061	122	B2-U0-G2	10499	127	B2-U0-G2	10936	132	B2-U0-G2	11374	138	B2-U0-G2				
			III-W	9342	113	B2-U0-G3	9748	118	B2-U0-G3	10154	123	B2-U0-G3	10560	128	B2-U0-G3				
			IV	9986	121	B2-U0-G2	10420	126	B2-U0-G2	10854	131	B2-U0-G2	11289	137	B2-U0-G2				
			IV-FT	9096	110	B2-U0-G3	9492	115	B2-U0-G3	9887	120	B2-U0-G3	10283	124	B2-U0-G3				
			VSQ-N	10437	126	B3-U0-G1	10890	132	B3-U0-G1	11344	137	B3-U0-G1	11798	143	B3-U0-G1				
			VSQ-M	10235	124	B3-U0-G2	10680	129	B4-U0-G2	11125	135	B4-U0-G2	11570	140	B4-U0-G2				
			VSQ-W	9990	121	B4-U0-G3	10425	126	B4-U0-G3	10859	131	B4-U0-G3	11294	137	B4-U0-G3				
			II-HS	7232	88	B1-U0-G2	7547	91	B1-U0-G2	7861	95	B1-U0-G2	8175	99	B1-U0-G2				
			II-FR-HS	7356	89	B1-U0-G1	7676	93	B1-U0-G1	7996	97	B1-U0-G1	8315	101	B1-U0-G1				
			III-M-HS	7316	89	B0-U0-G2	7634	92	B1-U0-G2	7952	96	B1-U0-G2	8270	100	B1-U0-G2				
			III-W-HS	7161	87	B0-U0-G2	7472	90	B0-U0-G2	7784	94	B0-U0-G2	8095	98	B1-U0-G2				
			IV-HS	7557	91	B1-U0-G2	7886	95	B1-U0-G2	8214	99	B1-U0-G2	8542	103	B1-U0-G2				
			IV-FT-HS	7142	86	B1-U0-G3	7453	90	B1-U0-G3	7763	94	B1-U0-G3	8074	98	B1-U0-G3				

IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

DS6 SERIES - LED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS (DS6-PLED-AL)

DS6-PLED-AL-36LED-525mA-40K - 10' Mounting Height



PHOTOMETRIC DATA GUIDE - LUMEN TABLES (DS6-PLED-AL)

DS6-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
36	175	20.6	ASY	2243	109	B1-U0-G1	2340	114	B1-U0-G1	2438	118	B1-U0-G1	2536	123	B1-U0-G1	15.9	878	55	B0-U0-G0
			SYM	2245	109	B1-U0-G1	2343	114	B1-U0-G1	2441	118	B1-U0-G1	2538	123	B1-U0-G1		879	55	B1-U0-G0
			ASY-HS	1605	78	B1-U0-G1	1675	81	B1-U0-G1	1745	85	B1-U0-G1	1814	88	B1-U0-G1		628	40	B0-U0-G0
36	350	41.3	ASY	4232	102	B2-U0-G1	4416	107	B2-U0-G1	4600	111	B2-U0-G1	4784	116	B2-U0-G1	31.8	1472	46	B1-U0-G1
			SYM	4237	103	B2-U0-G1	4421	107	B2-U0-G1	4605	112	B2-U0-G1	4789	116	B2-U0-G1		1473	46	B1-U0-G0
			ASY-HS	3028	73	B1-U0-G1	3160	77	B1-U0-G1	3292	80	B1-U0-G1	3423	83	B1-U0-G1		1053	33	B1-U0-G0
36	525	62.0	ASY	6018	97	B2-U0-G1	6280	101	B2-U0-G2	6541	106	B2-U0-G2	6803	110	B2-U0-G2	47.7	1701	36	B1-U0-G1
			SYM	6024	97	B2-U0-G1	6286	101	B2-U0-G1	6548	106	B2-U0-G1	6810	110	B2-U0-G1		1703	36	B1-U0-G0
			ASY-HS	4306	69	B1-U0-G1	4493	72	B1-U0-G1	4681	75	B2-U0-G1	4868	79	B2-U0-G1		1217	26	B1-U0-G0
36	700	82.6	ASY	7571	92	B2-U0-G2	7900	96	B2-U0-G2	8229	100	B3-U0-G2	8559	104	B3-U0-G2	N/A	N/A		
			SYM	7579	92	B3-U0-G1	7909	96	B3-U0-G1	8238	100	B3-U0-G1	8568	104	B3-U0-G1				
			ASY-HS	5418	66	B2-U0-G1	5653	68	B2-U0-G1	5889	71	B2-U0-G1	6124	74	B2-U0-G1				

IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html



Small Neoclassical, Domed Bell Luminaire

Features

The NEW Deziner Series is a flexible, configurable pedestrian scale decorative pendant luminaire with an 6.7" 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.

PROJECT NAME: _____

PROJECT TYPE: _____



DS6A
Angled



DS6C
Concave/Flared



DS6D
Deep Bell



DS6S
Skirted



DS6T
Tiered

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

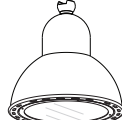
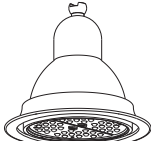
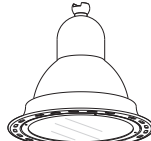


2023062

DEZİNER SERIES 6 - PLED SMALL

PRODUCT CONFIGURATIONS

EPA & WEIGHT

Base Model	w/ unlit Bands	w/ Ambience™ Low Luminance Lens	w/ unlit Bands & Ambience™ Low Luminance Lens
 DS6A Max Weight = 17 lbs Max EPA = 0.58 36 LED Max	 DS6AB Max Weight = 18 lbs Max EPA = 0.63 36 LED Max	 DS6A-AL Max Weight = 17 lbs Max EPA = 0.58 36 LED Max	 DS6AB-AL Max Weight = 18 lbs Max EPA = 0.63 36 LED Max
 DS6C Max Weight = 17 lbs Max EPA = 0.54 36 LED Max	 DS6CB Max Weight = 18 lbs Max EPA = 0.59 36 LED Max	 DS6C-AL Max Weight = 17 lbs Max EPA = 0.54 36 LED Max	 DS6CB-AL Max Weight = 18 lbs Max EPA = 0.59 36 LED Max
 DS6D Max Weight = 18 lbs Max EPA = 0.74 36 LED Max	 DS6DB Max Weight = 19 lbs Max EPA = 0.79 36 LED Max	 DS6D-AL Max Weight = 18 lbs Max EPA = 0.74 36 LED Max	 DS6DB-AL Max Weight = 19 lbs Max EPA = 0.79 36 LED Max
 DS6S Max Weight = 19 lbs Max EPA = 0.79 36 LED Max	 DS6SB Max Weight = 20lbs Max EPA = 0.84 36 LED Max	 DS6S-AL Max Weight = 19 lbs Max EPA = 0.79 36 LED Max	 DS6SB-AL Max Weight = 20lbs Max EPA = 0.84 36 LED Max
 DS6T Max Weight = 16 lbs Max EPA = 0.58 36 LED Max	 DS6TB Max Weight = 17 lbs Max EPA = 0.63 36 LED Max	 DS6T-AL Max Weight = 16 lbs Max EPA = 0.58 36 LED Max	 DS6TB-AL Max Weight = 17 lbs Max EPA = 0.63 36 LED Max

DEZİNER SERIES 6 - PLED SMALL

ORDERING INFORMATION

Spec/Order Example: DS6CB/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
☐ DS6	☐ Angled	A	PLED™ Distribution Type	☐ 36LED ☐ 875mA ¹ ☐ 20LED ☐ 700mA ☐ 525mA ☐ 350mA	☐ 27K (2700K) ☐ 30K (3000K) ☐ 40K (4000K) ☐ 50K (5000K) ☐ TRA ² True Amber	☐ UNV (120-277) ☐ 347 ☐ 480
	☐ Angled w/ unlit Bands	AB				
	☐ Concave/Flared	C				
	☐ Concave/Flared w/ unlit Bands	CB				
	☐ Deep Bell	D				
	☐ Deep Bell w/ unlit Bands	DB				
	☐ Hooded	H				
	☐ Hooded w/ unlit Bands	HB				
	☐ Skirted	S				
	☐ Skirted w/ unlit Bands	SB				
	☐ Tiered	T	Ambience™ Lens Option: ☐ AL-ASY ☐ AL-ASY-HS ☐ AL-SYM	NOTES: 1 - 875mA not available with 36LED, available with 20LED only 2 - TRA available in 350mA & 525mA Drive Currents only Consult factory for other CCT, CRI, & Drive Current options		
	☐ Tiered w/ unlit Bands	TB				

Mounting	Finish	Options
Mounting	Finish	Options
Arm Mount	Standard Textured Finish	
☐ 1	☐ Black RAL-9005-T	☐ Internal House Side Shield incl. LED Count (Example: HS-PLED/48) HS-PLED
☐ 2-180	☐ White RAL-9003-T	☐ Twist Lock Receptable Only TPR
☐ 2-90	☐ Grey RAL-7004-T	☐ 7-Pin Twist Lock Receptable Only TPR7
☐ 3-90	☐ Dark Bronze RAL-8019-T	☐ High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HLSW/25) HLSW
☐ 3-120	☐ Green RAL-6005-T	☐ Twist Lock Photocell + Voltage (Example: TPC347V) TPC+V
☐ 4-90	Premium Finishes	☐ Photocell + Voltage (Example: PC120V) PC+V
Wall Mount	☐ Rust	☐ Single Fuse (Example: DF277V) SF+V
☐ WM	☐ Patina Copper PC	☐ Double Fuse (Example: DF240V) DF+V
WM - Wall Mount provided with mounting bracket and cover.	For smooth finish replace suffix "T" with suffix "S" (Example: RAL-9500-S)	☐ Blue-Tooth Programmable Photo/Motion Sensor (Factory - Motion 50/100; Photo 75fc) MS-F311
Pendant Mount	Consult factor for custom colors	
☐ Stem Mount + Length(in) (48" Max) SM+L		
☐ Chain Mount + Length(in) (48" Max) CM+L		
☐ Cable Clamp J-Box CCB		
☐ Cross Cable Clamp J-Box CCC		

DEZİNER SERIES 6 - PLED SMALL

SAMPLE ASSEMBLIES

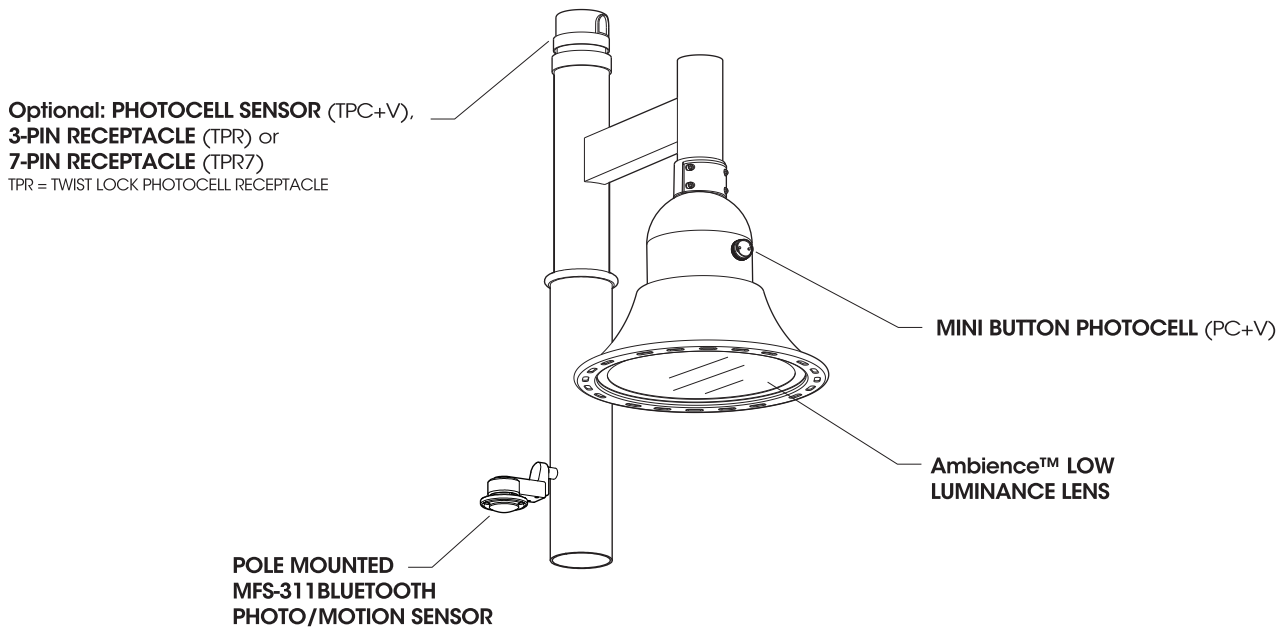


- A. 24-1040-9'/XALM-1/DS6DB-AL/LED/ACCESSORIES/FINISH
- B. 17-1030C-13'-4"/XPDM-2-180/DS6S/LED/ACCESSORIES/FINISH
- C. 1M-106O-9'/XPCM-1/DS6C-AL/LED/ACCESSORIES/FINISH
- D. 25-1035T-11'/XASM-2-180/DS6TB/LED/ACCESSORIES/FINISH
- E. WM-XPKM/DS6A-AL/LED/ACCESSORIES/FINISH

Sample Assemblies show a small offering of the Sun Valley Line of Poles, Bases, Shafts, Arms, & Luminaires. Please visit usalftg.com for the full product offering.

DEZİNER SERIES 6 - PLED SMALL

OPTIONS



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.

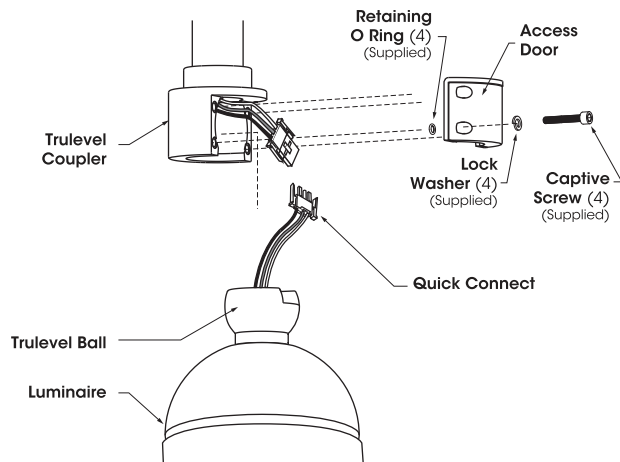
Wireless and Other Fixture Controls

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

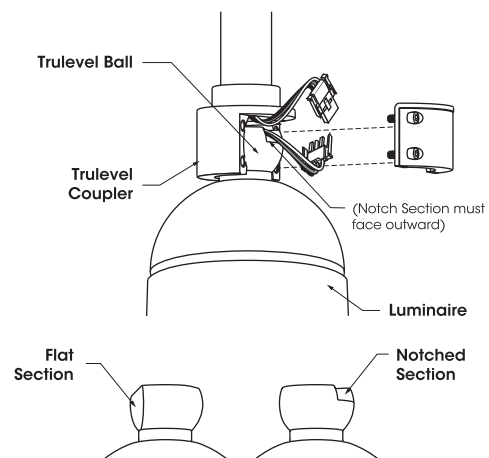
DEZİNER SERIES 6 - PLED SMALL

INSTALLATION DETAIL

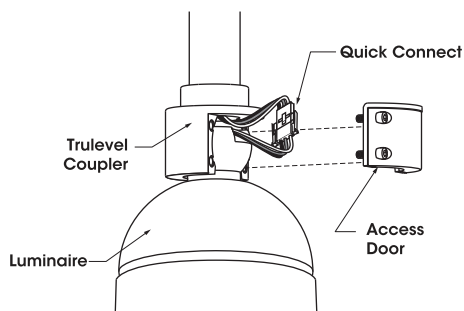
Trulevel System® Assembly



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

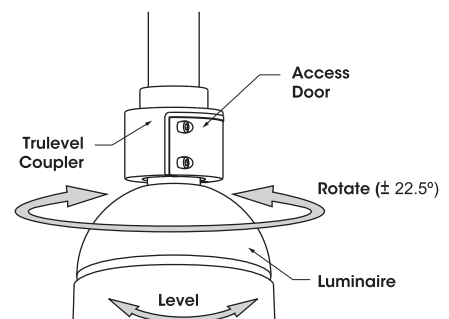


2. Place Trulevel Ball inside of Trulevel Coupler as illustrated.
A - Notched Section of Trulevel Ball must face outward as illustrated.
B - Flat Section of Trulevel Ball must face inward.



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.



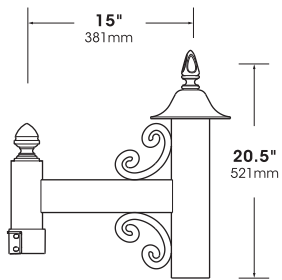
4. Rotate (left to right $\pm 22.5^\circ$) and level Luminaire to desired position. Tighten Access Door.

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

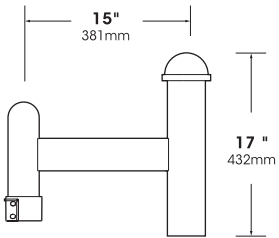
Trulevel Pendant Mount is intended to allow for fixture leveling, but is not intended to be "free-swinging" upon proper installation.

DEZİNER SERIES 6 - PLED SMALL

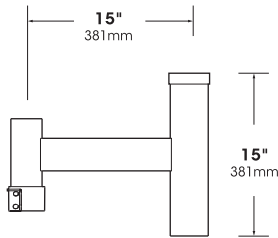
ARMS



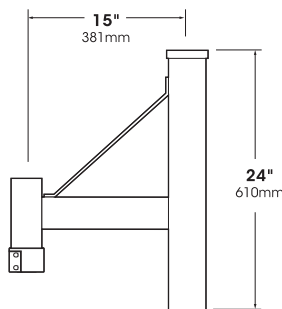
XAJM-PM



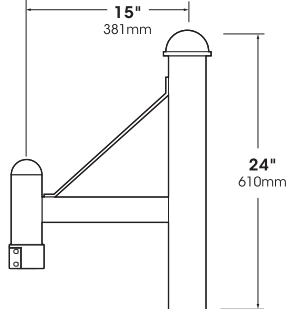
XALM-PM



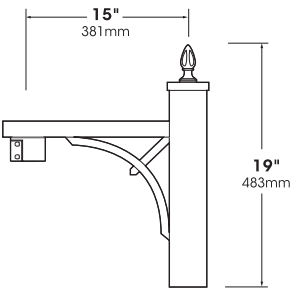
XAOM-PM



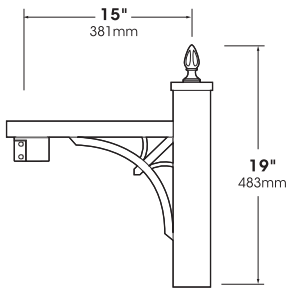
XASM-1



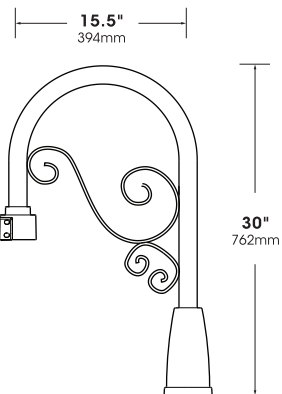
XBSM-1



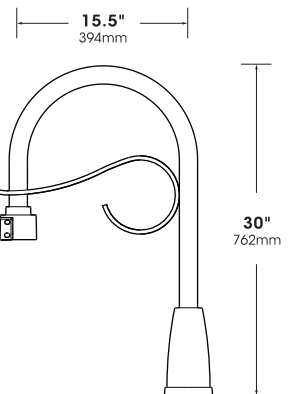
XCNAM-1



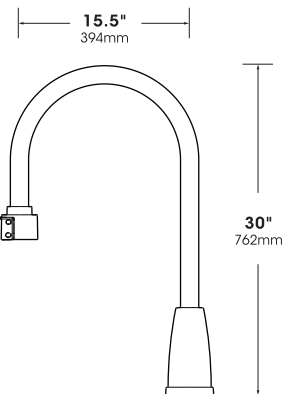
XCNBM-1



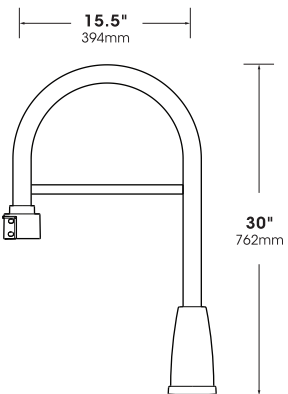
XPCM



XPDM



XPKM



XPSM

DS6 SERIES - LED

PHOTOMETRIC DATA GUIDE - LM-80 LUMEN MAINTENANCE

LED LUMEN MAINTENANCE (350mA to 700mA)		
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 Dicates that L93 > 100,000 Hours.

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

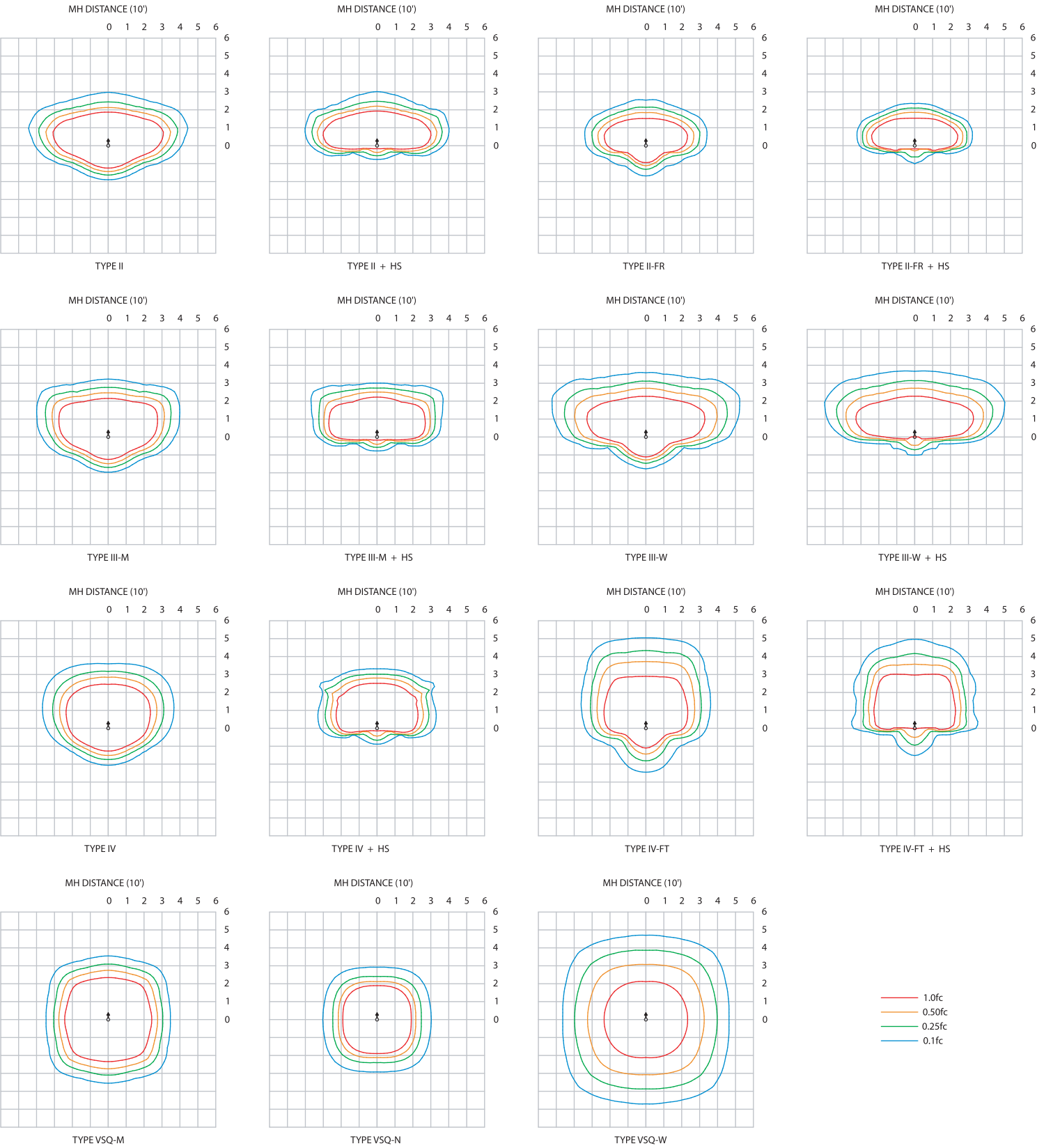
ELECTRICAL DATA GUIDE - AMPERAGE CHART

# of LEDs	mA	System Watts	120V	208V	277V	347V	480V
20	350	23.6	0.20	0.11	0.09	0.07	0.05
20	525	35.5	0.30	0.17	0.13	0.10	0.07
20	700	47.0	0.39	0.23	0.17	0.14	0.10
20	875	58.4	0.49	0.28	0.21	0.17	0.12
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	103.2	0.86	0.50	0.37	0.30	0.22

DS6 SERIES - LED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS (DS6-PLED)

DS6A-PLED-20LED-700mA-40K - 10' Mounting Height



IES File downloads for this product can be found at www.usalftg.com/downloads/asr.html

DS6 SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (DS6-PLED)

DS6-PLED																			
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
20	350	23.6	II	3152	134	B1-U0-G1	3288	139	B1-U0-G1	3426	145	B1-U0-G1	3563	151	B1-U0-G1	18.2	1096	60	B0-U0-G0
			II-FR	3173	134	B1-U0-G1	3311	140	B1-U0-G1	3449	146	B1-U0-G1	3587	152	B1-U0-G1		1104	61	B0-U0-G0
			III-M	3207	136	B1-U0-G1	3346	142	B1-U0-G1	3486	148	B1-U0-G1	3625	154	B1-U0-G1		1115	61	B0-U0-G0
			III-W	2978	126	B1-U0-G1	3107	132	B1-U0-G1	3237	137	B1-U0-G1	3366	143	B1-U0-G1		1036	57	B0-U0-G1
			IV	3183	135	B1-U0-G1	3321	141	B1-U0-G1	3459	147	B1-U0-G1	3598	152	B1-U0-G1		1107	61	B0-U0-G0
			IV-FT	2899	123	B1-U0-G1	3025	128	B1-U0-G1	3151	134	B1-U0-G1	3277	139	B1-U0-G1		1008	55	B0-U0-G1
			VSQ-N	3327	141	B2-U0-G0	3472	147	B2-U0-G0	3616	153	B2-U0-G0	3761	159	B2-U0-G0		1157	64	B1-U0-G0
			VSQ-M	3262	138	B2-U0-G1	3404	144	B2-U0-G1	3546	150	B2-U0-G1	3688	156	B2-U0-G1		1135	62	B1-U0-G0
			VSQ-W	3184	135	B2-U0-G1	3322	141	B2-U0-G1	3461	147	B3-U0-G1	3600	153	B3-U0-G1		1108	61	B1-U0-G1
			II-HS	2305	98	B0-U0-G1	2405	102	B0-U0-G1	2505	106	B0-U0-G1	2606	110	B0-U0-G1		802	44	B0-U0-G0
			II-FR-HS	2345	99	B0-U0-G0	2447	104	B0-U0-G0	2549	108	B0-U0-G0	2651	112	B0-U0-G0		816	45	B0-U0-G0
			III-M-HS	2332	99	B0-U0-G1	2433	103	B0-U0-G1	2535	107	B0-U0-G1	2636	112	B0-U0-G1		811	45	B0-U0-G0
			III-W-HS	2282	97	B0-U0-G1	2382	101	B0-U0-G1	2481	105	B0-U0-G1	2580	109	B0-U0-G1		794	44	B0-U0-G1
			IV-HS	2409	102	B0-U0-G1	2513	106	B0-U0-G1	2618	111	B0-U0-G1	2722	115	B0-U0-G1		838	46	B0-U0-G0
			IV-FT-HS	2277	96	B0-U0-G1	2376	101	B0-U0-G1	2475	105	B0-U0-G1	2574	109	B0-U0-G1		792	44	B0-U0-G1
			II	4481	126	B1-U0-G1	4676	132	B1-U0-G1	4871	137	B1-U0-G1	5066	143	B1-U0-G1	27.3	1266	46	B1-U0-G0
			II-FR	4511	127	B1-U0-G1	4707	133	B1-U0-G1	4904	138	B1-U0-G1	5100	144	B1-U0-G1		1275	47	B1-U0-G0
			III-M	4560	128	B1-U0-G1	4758	134	B1-U0-G1	4956	140	B1-U0-G1	5154	145	B1-U0-G1		1288	47	B0-U0-G0
			III-W	4234	119	B1-U0-G2	4418	124	B1-U0-G2	4602	130	B1-U0-G2	4786	135	B1-U0-G2		1196	44	B0-U0-G1
			IV	4525	127	B1-U0-G1	4722	133	B1-U0-G1	4919	139	B1-U0-G1	5116	144	B1-U0-G1		1279	47	B0-U0-G1
			IV-FT	4123	116	B1-U0-G2	4302	121	B1-U0-G2	4481	126	B1-U0-G2	4660	131	B1-U0-G2		1165	43	B0-U0-G1
			VSQ-N	4730	133	B2-U0-G1	4935	139	B2-U0-G1	5141	145	B2-U0-G1	5347	151	B2-U0-G1		1337	49	B1-U0-G0
			VSQ-M	4638	131	B3-U0-G1	4839	136	B3-U0-G1	5041	142	B3-U0-G1	5243	148	B3-U0-G1		1311	48	B1-U0-G0
			VSQ-W	4528	128	B3-U0-G2	4725	133	B3-U0-G2	4921	139	B3-U0-G2	5118	144	B3-U0-G2		1279	47	B1-U0-G1
			II-HS	3278	92	B0-U0-G1	3420	96	B0-U0-G1	3563	100	B0-U0-G1	3705	104	B0-U0-G1		926	34	B0-U0-G0
			II-FR-HS	3334	94	B0-U0-G1	3479	98	B0-U0-G1	3624	102	B0-U0-G1	3768	106	B0-U0-G1		942	35	B0-U0-G0
			III-M-HS	3316	93	B0-U0-G1	3460	97	B0-U0-G1	3604	102	B0-U0-G1	3748	106	B0-U0-G1		937	34	B0-U0-G0
			III-W-HS	3246	91	B0-U0-G1	3387	95	B0-U0-G1	3528	99	B0-U0-G1	3669	103	B0-U0-G2		917	34	B0-U0-G1
			IV-HS	3425	96	B0-U0-G1	3574	101	B0-U0-G1	3722	105	B0-U0-G1	3871	109	B0-U0-G1		968	35	B0-U0-G0
			IV-FT-HS	3237	91	B0-U0-G2	3377	95	B0-U0-G2	3518	99	B0-U0-G2	3659	103	B0-U0-G2		915	34	B0-U0-G1
			II	5637	120	B1-U0-G1	5882	125	B2-U0-G1	6127	130	B2-U0-G1	6372	136	B2-U0-G2	N/A	N/A		
			II-FR	5674	121	B2-U0-G1	5921	126	B2-U0-G1	6168	131	B2-U0-G1	6414	136	B2-U0-G1				
			III-M	5735	122	B1-U0-G2	5984	127	B1-U0-G2	6234	133	B2-U0-G2	6483	138	B2-U0-G2				
			III-W	5325	113	B1-U0-G2	5556	118	B1-U0-G2	5788	123	B1-U0-G2	6019	128	B1-U0-G2				
			IV	5692	121	B1-U0-G1	5939	126	B1-U0-G2	6187	132	B2-U0-G2	6435	137	B2-U0-G2				
			IV-FT	5185	110	B1-U0-G2	5410	115	B1-U0-G2	5636	120	B1-U0-G2	5861	125	B1-U0-G2				
			VSQ-N	5949	127	B2-U0-G1	6208	132	B2-U0-G1	6466	138	B2-U0-G1	6725	143	B2-U0-G1				
			VSQ-M	5834	124	B3-U0-G1	6088	130	B3-U0-G1	6341	135	B3-U0-G1	6595	140	B3-U0-G1				
			VSQ-W	5694	121	B3-U0-G2	5942	126	B3-U0-G2	6189	132	B3-U0-G2	6437	137	B3-U0-G2				
			II-HS	4122	88	B0-U0-G1	4302	92	B0-U0-G1	4481	95	B0-U0-G1	4660	99	B1-U0-G1				
			II-FR-HS	4193	89	B0-U0-G1	4376	93	B0-U0-G1	4558	97	B0-U0-G1	4740	101	B0-U0-G1				
			III-M-HS	4170	89	B0-U0-G1	4351	93	B0-U0-G2	4533	96	B0-U0-G2	4714	100	B0-U0-G2				
			III-W-HS	4082	87	B0-U0-G2	4259	91	B0-U0-G2	4437	94	B0-U0-G2	4614	98	B0-U0-G2				
			IV-HS	4308	92	B0-U0-G1	4495	96	B0-U0-G1	4682	100	B0-U0-G2	4869	104	B0-U0-G2				
			IV-FT-HS	4071	87	B0-U0-G2	4248	90	B0-U0-G2	4425	94	B0-U0-G2	4602	98	B0-U0-G2				
			II	6639	114	B2-U0-G2	6928	119	B2-U0-G2	7216	124	B2-U0-G2	7505	129	B2-U0-G2	N/A	N/A		
			II-FR	6683	114	B2-U0-G1	6974	119	B2-U0-G1	7264	124	B2-U0-G1	7555	129	B2-U0-G1				
			III-M	6755	116	B2-U0-G2	7048	121	B2-U0-G2	7342	126	B2-U0-G2	7636	131	B2-U0-G2				
			III-W	6272	107	B1-U0-G2	6545	112	B1-U0-G2	6817	117	B1-U0-G2	7090	121	B1-U0-G2				
			IV	6704	115	B2-U0-G2	6996	120	B2-U0-G2	7287	125	B2-U0-G2	7579	130	B2-U0-G2				
			IV-FT	6107	105	B1-U0-G2	6373	109	B1-U0-G2	6638	114	B1-U0-G2	6904	118	B1-U0-G2				
			VSQ-N	7007	120	B2-U0-G1	7312	125	B2-U0-G1	7617	130	B2-U0-G1	7921	136	B3-U0-G1				
			VSQ-M	6871	118	B3-U0-G1	7170	123	B3-U0-G1	7469	128	B3-U0-G1	7767	133	B3-U0-G2				
			VSQ-W	6707	115	B3-U0-G2	6999	120	B3-U0-G2	7290	125	B3-U0-G2	7582	130	B3-U0-G2				
			II-HS	4855	83	B1-U0-G2	5066	87	B1-U0-G2	5278	90	B1-U0-G2	5489	94	B1-U0-G2				
			II-FR-HS	4939	85	B0-U0-G1	5154	88	B0-U0-G1	5368	92	B0-U0-G1	5583	96	B0-U0-G1				
			III-M-HS	4912	84	B0-U0-G2	5126	88	B0-U0-G2	5339	91	B0-U0-G2	5553	95	B0-U0-G2				
			III-W-HS	4808	82	B0-U0-G2	5017	86	B0-U0-G2	5226	89	B0-U0-G2	5436	93	B0-U0-G2				
			IV-HS	5074	87	B0-U0-G2	5295	91	B0-U0-G2	5515	94	B0-U0-G2	5735	98	B0-U0-G2				
			IV-FT-HS	4795	82	B0-U0-G2	5003	86	B0-U0-G2	5212	89	B0-U0-G2	5420	93	B0-U0-G2				

IES File downloads for this product can be found at www.usalgt.com/downloads/asr.html

DS6 SERIES - LED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (DS6-PLED)

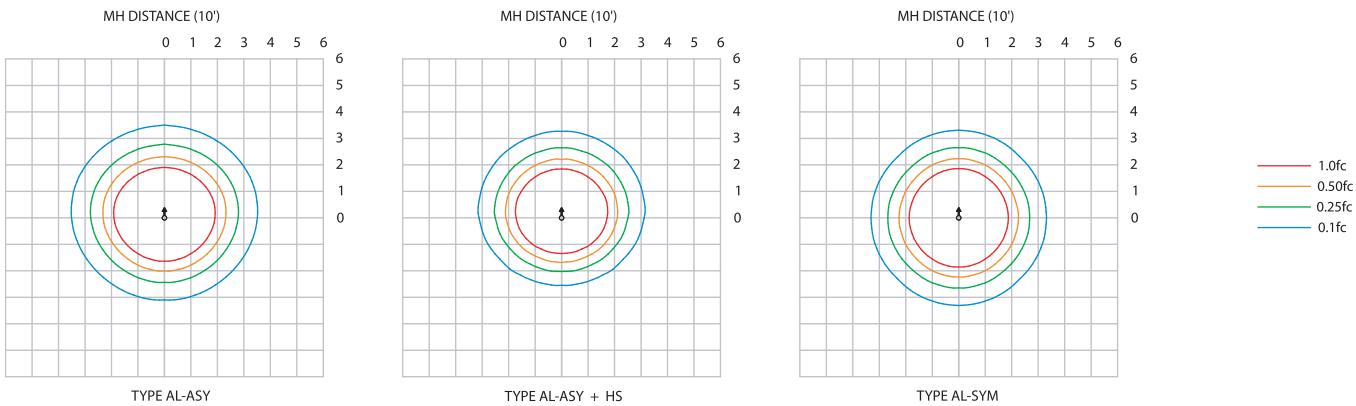
DS6-PLED																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
36	350	41.3	II	5529	134	B1-U0-G1	5769	140	B2-U0-G1	6010	146	B2-U0-G1	6250	151	B2-U0-G1	31.8	1923	60	B1-U0-G1
			II-FR	5567	135	B1-U0-G1	5809	141	B2-U0-G1	6051	147	B2-U0-G1	6293	152	B2-U0-G1		1936	61	B1-U0-G0
			III-M	5626	136	B1-U0-G1	5871	142	B1-U0-G2	6115	148	B1-U0-G2	6360	154	B2-U0-G2		1957	62	B1-U0-G1
			III-W	5224	126	B1-U0-G2	5451	132	B1-U0-G2	5678	137	B1-U0-G2	5905	143	B1-U0-G2		1817	57	B1-U0-G1
			IV	5584	135	B1-U0-G1	5826	141	B1-U0-G1	6069	147	B2-U0-G2	6312	153	B2-U0-G2		1942	61	B1-U0-G1
			IV-FT	5086	123	B1-U0-G2	5307	129	B1-U0-G2	5529	134	B1-U0-G2	5750	139	B1-U0-G2		1769	56	B1-U0-G1
			VSQ-N	5837	141	B2-U0-G1	6091	147	B2-U0-G1	6344	154	B2-U0-G1	6598	160	B2-U0-G1		2030	64	B1-U0-G0
			VSQ-M	5723	139	B3-U0-G1	5972	145	B3-U0-G1	6221	151	B3-U0-G1	6469	157	B3-U0-G1		1991	63	B1-U0-G0
			VSQ-W	5586	135	B3-U0-G2	5829	141	B3-U0-G2	6072	147	B3-U0-G2	6315	153	B3-U0-G2		1943	61	B2-U0-G1
			II-HS	4044	98	B0-U0-G1	4220	102	B0-U0-G1	4395	106	B0-U0-G1	4571	111	B1-U0-G1		1407	44	B0-U0-G0
			II-FR-HS	4114	100	B0-U0-G1	4293	104	B0-U0-G1	4471	108	B0-U0-G1	4650	113	B0-U0-G1		1431	45	B0-U0-G0
			III-M-HS	4091	99	B0-U0-G1	4269	103	B0-U0-G2	4447	108	B0-U0-G2	4624	112	B0-U0-G2		1423	45	B0-U0-G0
			III-W-HS	4005	97	B0-U0-G2	4178	101	B0-U0-G2	4353	105	B0-U0-G2	4527	110	B0-U0-G2		1393	44	B0-U0-G1
			IV-HS	4225	102	B0-U0-G1	4409	107	B0-U0-G1	4592	111	B0-U0-G1	4776	116	B0-U0-G2		1470	46	B0-U0-G0
			IV-FT-HS	3994	97	B0-U0-G2	4167	101	B0-U0-G2	4341	105	B0-U0-G2	4515	109	B0-U0-G2		1389	44	B0-U0-G1
36	525	62.0	II	7862	127	B2-U0-G2	8204	132	B2-U0-G2	8545	138	B2-U0-G2	8887	143	B2-U0-G2	47.7	2222	47	B1-U0-G1
			II-FR	7915	128	B2-U0-G1	8259	133	B2-U0-G1	8603	139	B2-U0-G1	8947	144	B2-U0-G1		2237	47	B1-U0-G0
			III-M	7999	129	B2-U0-G2	8347	135	B2-U0-G2	8695	140	B2-U0-G2	9043	146	B2-U0-G2		2261	47	B1-U0-G1
			III-W	7428	120	B1-U0-G2	7751	125	B1-U0-G2	8074	130	B2-U0-G2	8397	135	B2-U0-G2		2099	44	B1-U0-G1
			IV	7939	128	B2-U0-G2	8284	134	B2-U0-G2	8630	139	B2-U0-G2	8975	145	B2-U0-G2		2244	47	B1-U0-G1
			IV-FT	7232	117	B2-U0-G2	7547	122	B2-U0-G2	7861	127	B2-U0-G2	8176	132	B2-U0-G2		2044	43	B1-U0-G1
			VSQ-N	8297	134	B3-U0-G1	8658	140	B3-U0-G1	9019	145	B3-U0-G1	9380	151	B3-U0-G1		2345	49	B1-U0-G0
			VSQ-M	8137	131	B3-U0-G2	8491	137	B3-U0-G2	8844	143	B3-U0-G2	9198	148	B3-U0-G2		2299	48	B2-U0-G1
			VSQ-W	7943	128	B3-U0-G2	8289	134	B3-U0-G2	8634	139	B4-U0-G2	8980	145	B4-U0-G2		2245	47	B2-U0-G1
			II-HS	5750	93	B1-U0-G2	6000	97	B1-U0-G2	6250	101	B1-U0-G2	6500	105	B1-U0-G2		1625	34	B0-U0-G0
			II-FR-HS	5849	94	B1-U0-G1	6103	98	B1-U0-G1	6357	103	B1-U0-G1	6611	107	B1-U0-G1		1653	35	B0-U0-G0
			III-M-HS	5817	94	B0-U0-G2	6069	98	B0-U0-G2	6322	102	B0-U0-G2	6575	106	B0-U0-G2		1644	34	B0-U0-G1
			III-W-HS	5694	92	B0-U0-G2	5941	96	B0-U0-G2	6189	100	B0-U0-G2	6436	104	B0-U0-G2		1609	34	B0-U0-G1
			IV-HS	6008	97	B0-U0-G2	6269	101	B0-U0-G2	6530	105	B0-U0-G2	6791	110	B0-U0-G2		1698	36	B0-U0-G1
			IV-FT-HS	5678	92	B0-U0-G2	5925	96	B0-U0-G2	6172	100	B0-U0-G2	6419	104	B0-U0-G2		1605	34	B0-U0-G1
36	700	82.6	II	9889	120	B2-U0-G2	10319	125	B2-U0-G2	10749	130	B2-U0-G2	11179	135	B2-U0-G2	N/A	N/A		
			II-FR	9955	121	B2-U0-G1	10388	126	B2-U0-G1	10820	131	B2-U0-G1	11253	136	B3-U0-G1				
			III-M	10061	122	B2-U0-G2	10499	127	B2-U0-G2	10936	132	B2-U0-G2	11374	138	B2-U0-G2				
			III-W	9342	113	B2-U0-G3	9748	118	B2-U0-G3	10154	123	B2-U0-G3	10560	128	B2-U0-G3				
			IV	9986	121	B2-U0-G2	10420	126	B2-U0-G2	10854	131	B2-U0-G2	11289	137	B2-U0-G2				
			IV-FT	9096	110	B2-U0-G3	9492	115	B2-U0-G3	9887	120	B2-U0-G3	10283	124	B2-U0-G3				
			VSQ-N	10437	126	B3-U0-G1	10890	132	B3-U0-G1	11344	137	B3-U0-G1	11798	143	B3-U0-G1				
			VSQ-M	10235	124	B3-U0-G2	10680	129	B4-U0-G2	11125	135	B4-U0-G2	11570	140	B4-U0-G2				
			VSQ-W	9990	121	B4-U0-G3	10425	126	B4-U0-G3	10859	131	B4-U0-G3	11294	137	B4-U0-G3				
			II-HS	7232	88	B1-U0-G2	7547	91	B1-U0-G2	7861	95	B1-U0-G2	8175	99	B1-U0-G2				
			II-FR-HS	7356	89	B1-U0-G1	7676	93	B1-U0-G1	7996	97	B1-U0-G1	8315	101	B1-U0-G1				
			III-M-HS	7316	89	B0-U0-G2	7634	92	B1-U0-G2	7952	96	B1-U0-G2	8270	100	B1-U0-G2				
			III-W-HS	7161	87	B0-U0-G2	7472	90	B0-U0-G2	7784	94	B0-U0-G2	8095	98	B1-U0-G2				
			IV-HS	7557	91	B1-U0-G2	7886	95	B1-U0-G2	8214	99	B1-U0-G2	8542	103	B1-U0-G2				
			IV-FT-HS	7142	86	B1-U0-G3	7453	90	B1-U0-G3	7763	94	B1-U0-G3	8074	98	B1-U0-G3				

IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

DS6 SERIES - LED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS (DS6-PLED-AL)

DS6-PLED-AL-36LED-525mA-40K - 10' Mounting Height



PHOTOMETRIC DATA GUIDE - LUMEN TABLES (DS6-PLED-AL)

DS6-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
36	175	20.6	ASY	2243	109	B1-U0-G1	2340	114	B1-U0-G1	2438	118	B1-U0-G1	2536	123	B1-U0-G1	15.9	878	55	B0-U0-G0
			SYM	2245	109	B1-U0-G1	2343	114	B1-U0-G1	2441	118	B1-U0-G1	2538	123	B1-U0-G1		879	55	B1-U0-G0
			ASY-HS	1605	78	B1-U0-G1	1675	81	B1-U0-G1	1745	85	B1-U0-G1	1814	88	B1-U0-G1		628	40	B0-U0-G0
36	350	41.3	ASY	4232	102	B2-U0-G1	4416	107	B2-U0-G1	4600	111	B2-U0-G1	4784	116	B2-U0-G1	31.8	1472	46	B1-U0-G1
			SYM	4237	103	B2-U0-G1	4421	107	B2-U0-G1	4605	112	B2-U0-G1	4789	116	B2-U0-G1		1473	46	B1-U0-G0
			ASY-HS	3028	73	B1-U0-G1	3160	77	B1-U0-G1	3292	80	B1-U0-G1	3423	83	B1-U0-G1		1053	33	B1-U0-G0
36	525	62.0	ASY	6018	97	B2-U0-G1	6280	101	B2-U0-G2	6541	106	B2-U0-G2	6803	110	B2-U0-G2	47.7	1701	36	B1-U0-G1
			SYM	6024	97	B2-U0-G1	6286	101	B2-U0-G1	6548	106	B2-U0-G1	6810	110	B2-U0-G1		1703	36	B1-U0-G0
			ASY-HS	4306	69	B1-U0-G1	4493	72	B1-U0-G1	4681	75	B2-U0-G1	4868	79	B2-U0-G1		1217	26	B1-U0-G0
36	700	82.6	ASY	7571	92	B2-U0-G2	7900	96	B2-U0-G2	8229	100	B3-U0-G2	8559	104	B3-U0-G2	N/A	N/A		
			SYM	7579	92	B3-U0-G1	7909	96	B3-U0-G1	8238	100	B3-U0-G1	8568	104	B3-U0-G1				
			ASY-HS	5418	66	B2-U0-G1	5653	68	B2-U0-G1	5889	71	B2-U0-G1	6124	74	B2-U0-G1				

IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

Beta Lantern LED



Order Code: BLL - - - - -

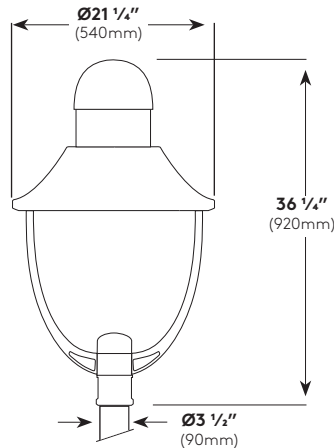
Pole Order Code:	Series	Height	Finish	Options			
<u>BLL</u>	Series	BLL Beta Lantern LED					
	Optics	R1 Type I Distribution	R2 Type II Distribution	R3 Type III Distribution	R4 Type IV Distribution	R5R Type V (Round) Distribution	R5S Type V (Square) Distribution
	Mounting	1 Single	2 Double	W Wall Mount			
	Light Engine	5G350 Nominal 33W	5G530 Nominal 49W	5G700 Nominal 64W	5G105 Nominal 95W		
	CCT	27 ¹ * 2700K	30 ¹ 3000K	35* 3500K	40 4000K	50* 5000K	¹ 2700K and 3000K DarkSky Approved * Consult factory for lead time.
	Power Cord Length	12 12'	15 15'	18 18'	20 20'	25 25'	XX XX'
	Finish	WH White	BK Black	BL Semi- Matte Black	BZ Bronze	SV Silver	SP Specify Premium Color
	Voltage	UNV ³ 120V-277V	120 120V	240 240V	277 277V	347 ^{2,4} 347V	480 ^{2,3} 480V ² Equipped with step-down transformer. ³ Not available with PCT or HL50. ⁴ Not available with HL50.
	Options	HS ⁵ House Side Shield (180°)	DM ⁶ Dimming (0-10V)	PCT ^{8,9} Photocell Tenon (See page 9 for details)	HL50 ^{6,7} Hi-Lo Switching Low Output 50%	MS ^{6,9} Motion Sensor with Optional Photocell (meets Title 24 Requirements) (See page 6 for details and ordering code)	⁵ Type I, II, III, and IV only. ⁶ DM, HL50, or MS only. Cannot be combined. ⁷ 120V, 240V, 277V only. ⁸ 120V, 240V, 277V, 347V only. Not availa with Double Mounting. ⁹ PCT or MS only. Cannot be combined.

Product Modifications

Please list modification requirements for review by factory:

Approvals

BLL



Specifications

Fixture Cap - Decorative low-copper aluminum fixture cap.

Gasketing - Continuous molded gaskets provide weatherproofing, dust, and insect control.

Fixture Hood - Decorative low-copper aluminum shade with hinged door for access to LED light engine.

LED Array - High Flux LEDs mounted to metal core PCB and attached to external heat sink for maximum LED performance and life. CCT tolerance within a 3 step binning for 2700K, 3000K, 3500K, 4000K, and 5000K. CRI minimum 80. LED light engine has a reported lumen maintenance of 98% at 50,000 hours. L70 calculated greater than 100,000 hours. Exposed face rated to IP65.

LED Optics - Technical Optics (R1, R2, R3, R4, R5S and R5R) use Selux signature light pattern acrylic lens holder to secure proprietary silicone optics. Internal micro house side shield available for distributions types I, II, III & IV.

LED Driver - LEDs are driven by RoHS compliant constant current programmable LED driver. Driver includes 0-10V dimming to 10%, meets the requirements of IP66. Driver assembly located inside the head and accessible through the the hinged door. 347V and 480V increase wattage of fixture due to step-down transformer. Consult factory for details.

Surge Protection - Designed to protect luminaire from electrical surge (20kA).

Pole Fitter - Cast aluminum fitter secures to pole with two stainless steel Allen head set screws. For Ø3 1/2" (90mm) O.D. pole.

Exterior Luminaire Finish - Selux utilizes a high quality Polyester Powder Coating. All Selux luminaires and poles are finished in our Tiger Drylac certified facility and undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultra violet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI.

Standard exterior colors are White (WH), Black (BK), Semi-Matte Black (BL), Bronze (BZ), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

5 Year Limited LED Luminaire Warranty

Selux offers a 5 Year Limited Warranty to the original purchaser that the Beta Lantern LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the fixture, LED driver and LED light engine when installed and operated according to Selux instructions. Fixture suitable for ambient temperature of 35° C (95° F). For details and exclusions, see "Selux Terms and Condition of Sale."

Listings and Ratings: Tested to IESNA LM-79-08 and LM-80 test standards at 25° C ambient temperature. Rated for wet location.

Visit selux.us for our LED End of Life recycling policy.

For Buy American compliance on poles, please consult the factory.

Mounting

Single (1)

Die cast aluminum fitter base secured to pole with three stainless steel, Allen head set screws.

EPA = 1.1ft² (0.10m²)
Weight = 40lbs. (18.1kg)

Double (2)

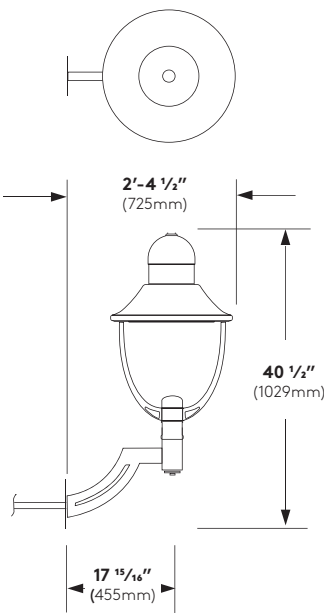
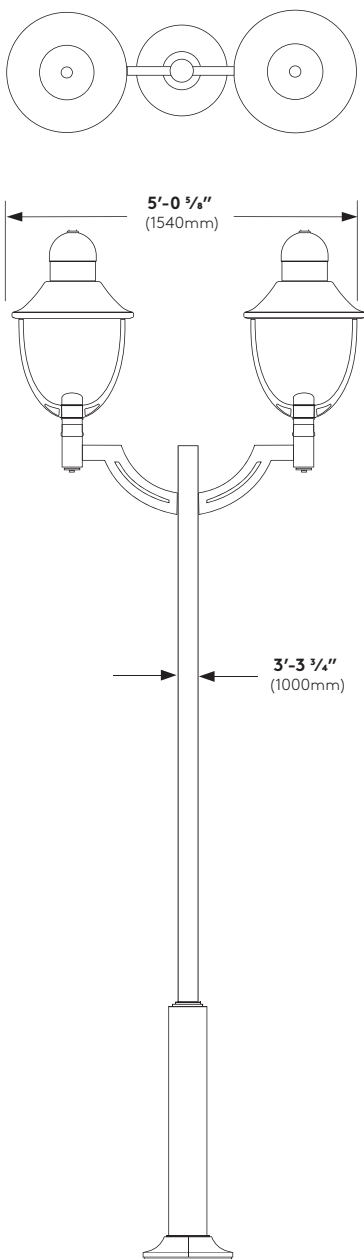
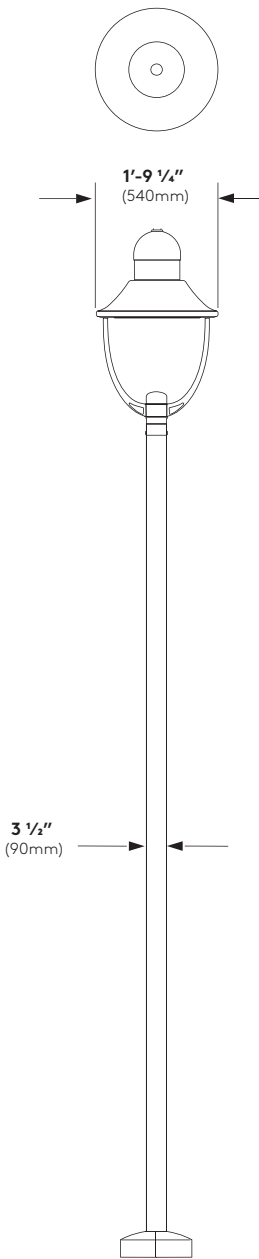
Die cast aluminum double luminaire mounting arm secured to pole with four stainless steel, socket head cap screws. Outer slip fitter for Ø3 ½ O.D. tenon.

EPA = 3.3ft² (0.31m²)
Weight = 91lbs. (41.3kg)

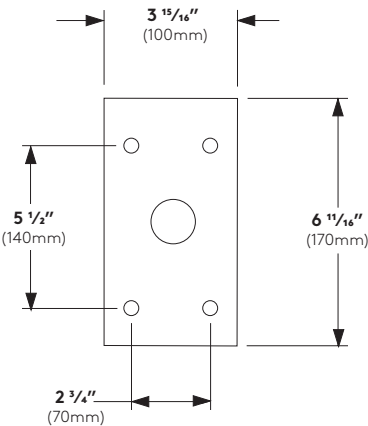
Wall (W)

Die cast aluminum double round wall mount arm. Secured to wall with ¼" diameter threaded fasteners (by others).

EPA = 1.7ft² (0.16m²)
Weight = 46lbs. (20.9kg)

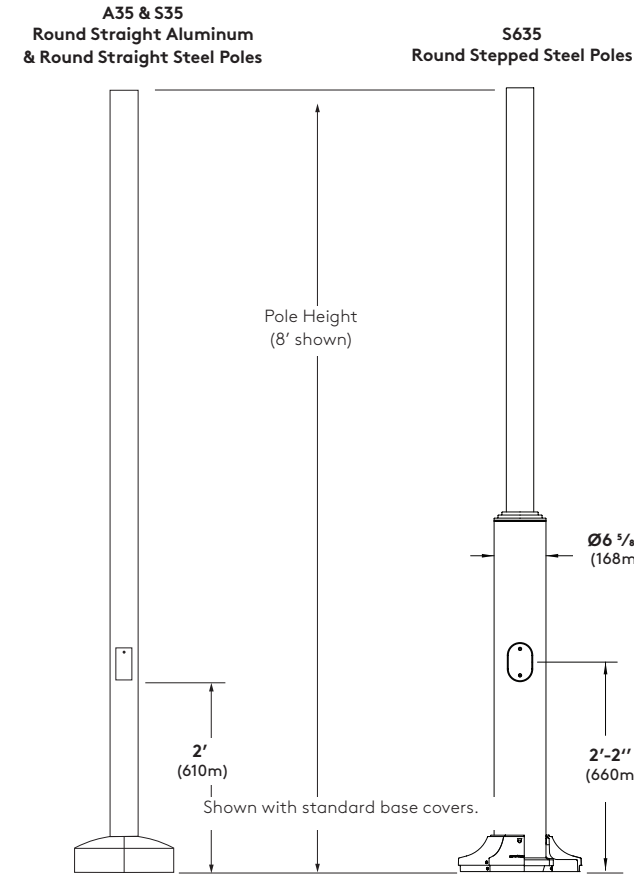


Wall Arm Mounting Detail
(Conduit and mounting hardware by others).



Pole Information

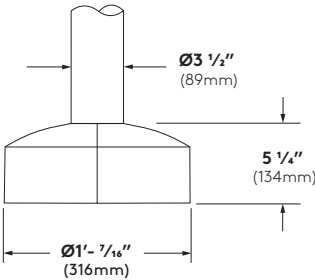
Refer to pole specification sheets for construction details, anchorage information and additional options.



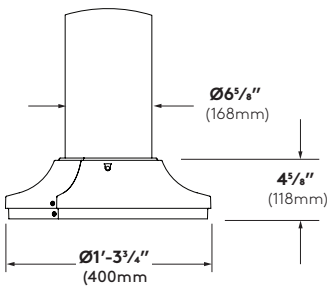
Base Cover Information

Refer to pole specification sheets for construction details, anchorage information and additional options.

Standard Base Cover (BC5)
Supplied with A35 and S35
Two-piece cast aluminum.



Standard Base Cover (BC6)
Supplied with S635
Two-piece cast aluminum.

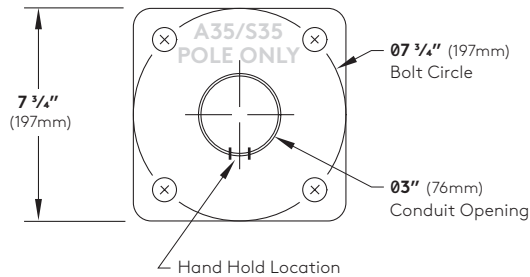


Pole Data Chart

Pole Series	Bolt Circle (in)	Wall (in)	Maximum EPA Rating (ft²) / Wind Speed (mph)												Height	Finish	Options
			70	80	90	100	110	120	130	140	150	160	170	180			
S635-197 3 1/2" Diameter Stepped Steel Pole	7-3/4	0.197	8.7	7.7	6.0	4.8	3.9	3.1	2.6	2.2	1.9	1.7	1.5	22.8	8 8ft.	WH White	BC5 Two-piece base cover for A35 and S35 poles.
A35-125 3 1/2" Diameter Straight Aluminum Pole	7-3/4	0.125	13.1	11.5	9.2	7.4	6.0	5.0	4.2	3.6	3.2	2.8	2.4	5.9		BK Black	BC6 Two-piece base cover for S635 pole.
S35-125 3 1/2" Diameter Straight Steel Pole	9	0.125	34.4	30.6	24.6	20.2	16.8	14.2	12.2	10.5	9.2	8.1	7.2	5.4		BL Semi-Matte Black	REC GFCI Duplex Receptacle with weatherproof cover.
S635-197 3 1/2" Diameter Stepped Steel Pole	7-3/4	0.197	6.9	6.0	4.6	3.6	2.8	2.2	1.8	1.5	1.2	-	-	17.8	10 10 ft.	BZ Bronze	REC2 GFCI Duplex Receptacle with padlockable in-use cover.
A35-125 3 1/2" Diameter Straight Aluminum Pole	7-3/4	0.125	10.5	9.2	7.2	5.7	4.6	3.7	3.1	2.6	2.3	2.0	1.7	4.3		SV Silver	REC3 USB & Duplex Receptacle with weatherproof cover.
S35-125 3 1/2" Diameter Straight Steel Pole	9	0.125	28.5	23.5	20.2	16.5	13.7	11.5	9.8	8.5	7.4	6.5	5.7	3.9		SP Specify Premium Color	REC4 USB & Duplex Receptacle with weatherproof padlockable in-use cover.
S635-197 3 1/2" Diameter Stepped Steel Pole	7-3/4	0.197	5.4	4.7	3.5	2.6	1.9	1.4	1.1	-	-	-	-	14.4	12 12 ft.		MS Motion Sensor with Optional Photocell (Meets Title 24 Requirements).
A35-125 3 1/2" Diameter Straight Aluminum Pole	7-3/4	0.125	8.6	7.5	5.7	4.4	3.5	2.7	2.2	1.9	1.6	1.3	1.1	3.1			* Weatherproof cover intended for portable tools or other portable equipment connected to the outlet only when attended. For other requirements please consult factory.
S35-125 3 1/2" Diameter Straight Steel Pole	9	0.125	23.6	21.0	16.9	13.7	11.3	9.4	8.0	6.9	6.0	5.2	4.6	2.8			
S635-197 3 1/2" Diameter Stepped Steel Pole	7-3/4	0.197	3.8	3.2	2.2	1.5	-	-	-	-	-	-	-	11.9	14 14 ft.		
A35-125 3 1/2" Diameter Straight Aluminum Pole	7-3/4	0.125	6.3	5.4	4.0	3.0	2.2	1.6	1.2	-	-	-	-	2.2			
S35-125 3 1/2" Diameter Straight Steel Pole	9	0.125	18.2	16.2	13.1	10.5	8.6	7.0	5.9	5.0	4.4	3.8	3.3	1.9			
S635-197 3 1/2" Diameter Stepped Steel Pole	7-3/4	0.197	2.7	2.2	1.3	-	-	-	-	-	-	-	-	7.6	16 16 ft.		
A35-125 3 1/2" Diameter Straight Aluminum Pole	7-3/4	0.125	5.1	4.3	3.1	2.1	1.4	-	-	-	-	-	-	N/A			
S35-125 3 1/2" Diameter Straight Steel Pole	9	0.125	15.6	13.9	11.2	8.9	7.1	5.7	4.8	4.0	3.5	3.0	2.6	N/A			

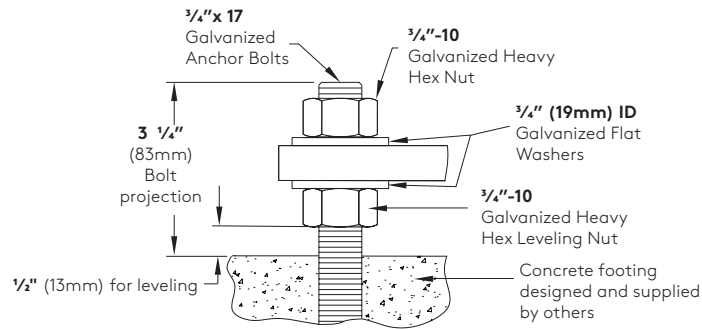
Bolt Circle for A35 & S35

Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown.



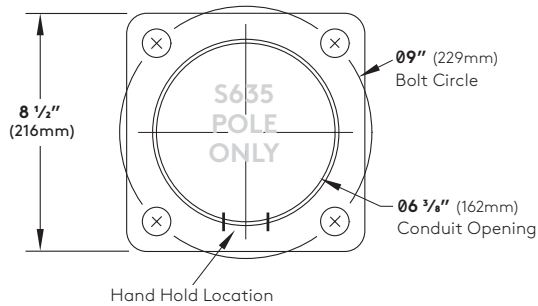
Note: Adequate drainage must be provided in concrete foundation.

Anchor Bolt Detail for A35 & S35



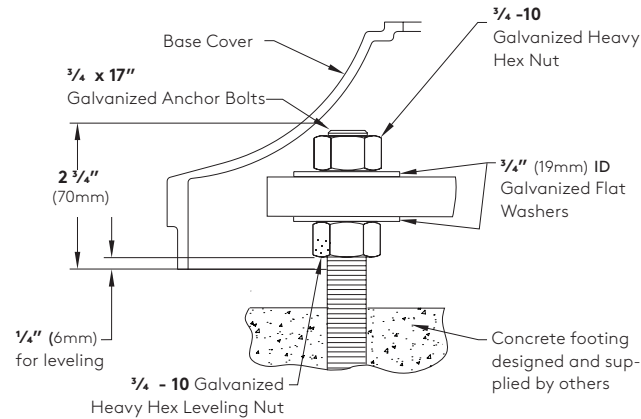
Bolt Circle for S635

Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown.



Note: Adequate drainage must be provided in concrete foundation.

Anchor Bolt Detail for S635

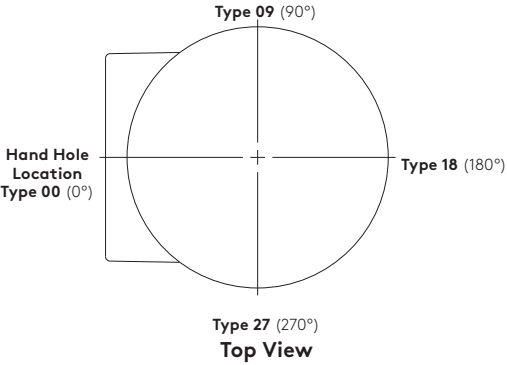
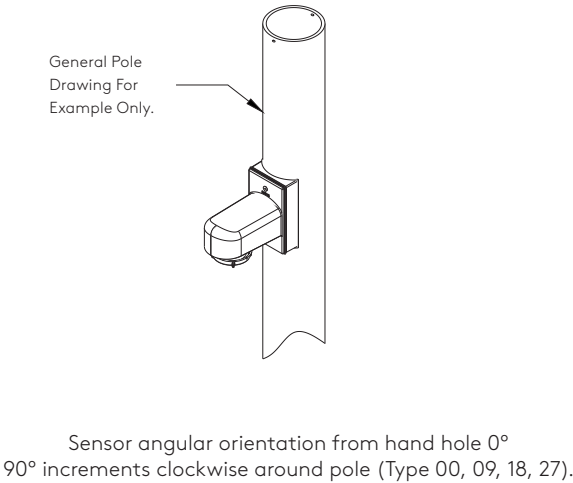
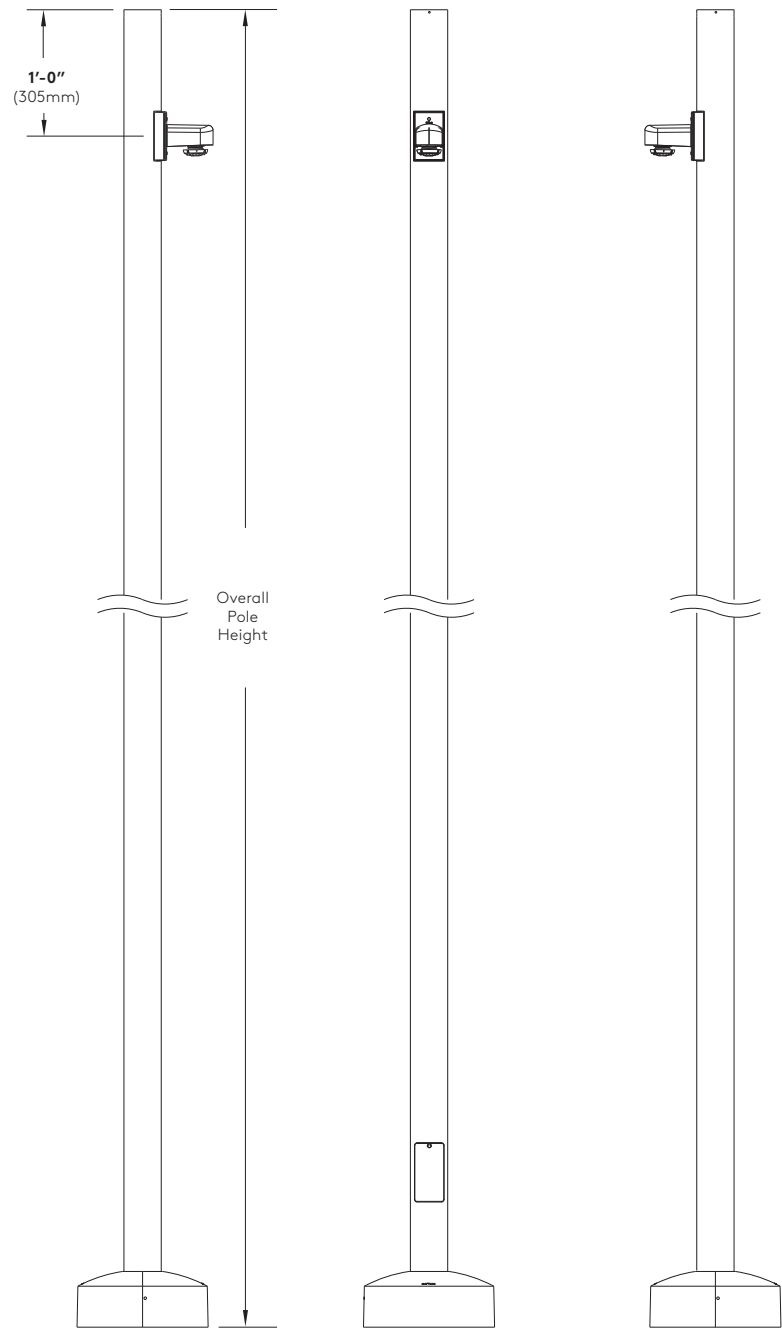


Round Pole Motion Sensor

The Selux outdoor rated sensor incorporates Passive Infrared (PIR) Technology for motion sensing and also includes built-in photocell. Sensor comes pre-installed in cast aluminum housing painted to match pole finish.

Series	Hand Hole Orientation	Dim Level	Photocell Feature	Voltage
MS Motion Sensor	00 0° Clockwise from Hand Hole	D0 (Off)	Y Yes	UNV (100-347VAC single phase or 208/230/480VAC phase-to-phase)
	09 90° Clockwise from Hand Hole	D1 (1V=10%)		
	18 180° Clockwise from Hand Hole	D3 (3V=30%)	N No	
	27 270° Clockwise from Hand Hole	D5 (5V=50%)		

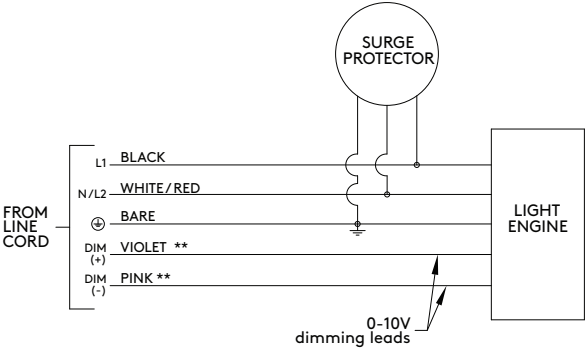
Factory Defaults:
Delay to Dim: 5 minutes
Delay to Off: 1 hour
Sensitivity: Max
Custom Programming: Consult Factory



- Motion Sensor Features**
- Customize programming using smartphone application (Refer to the FSP-321 at www.wattstopper.com).
 - 5 Year Warranty.
 - 100% Digital PIR Detection, excellent RF Immunity.
 - 270° coverage pattern.
 - IP66 Rated for outdoor applications.
 - Made for LED light source.
 - Adjustable time delays, max/min dim levels, and ramp rates
 - Suitable for Title 24 applications.
- (For coverage details refer to wattstopper FSP-321 spec sheet at www.wattstopper.com).

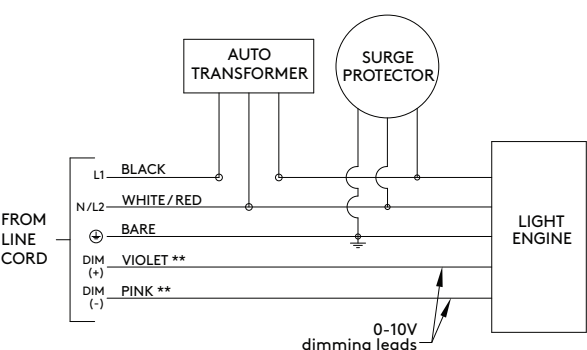
Standard Wiring (120V-277V)

**When dimming is not required cap dimming wires.



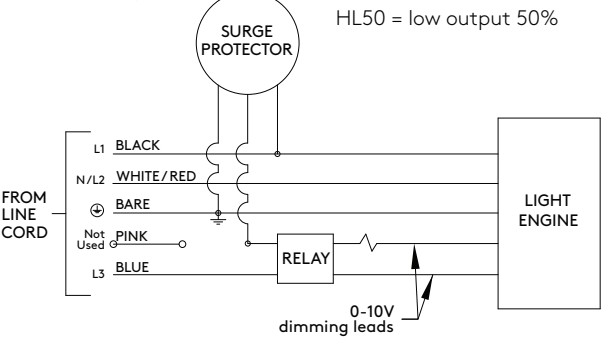
Standard Wiring (347/480V with Step-down Transformer)

**When dimming is not required cap dimming wires.



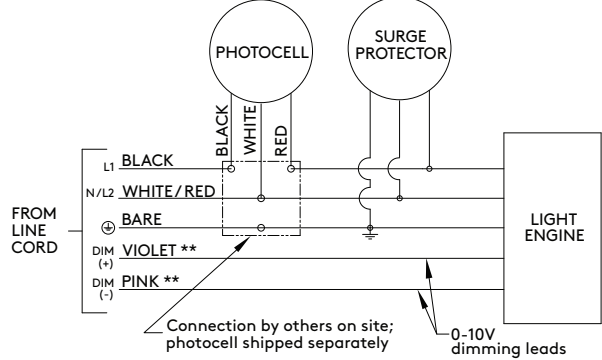
Hi-Lo Switching Option (HL) Wiring HL50 Only

120V, 240V, 277V. When blue is energized, light output will be at "Lo" level. Specify low-level by using the level listed below. For other combinations, consult factory.

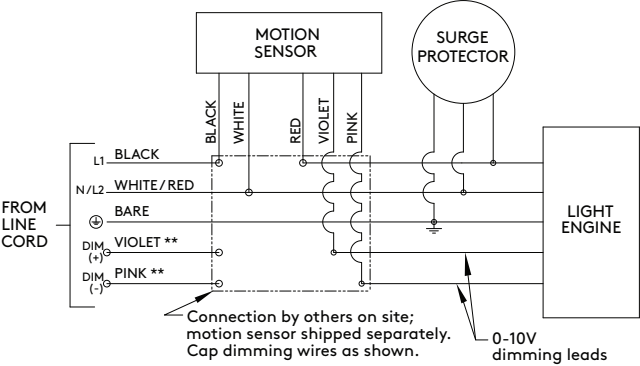


Photocell Option (PCT) Wiring

**When dimming is not required cap dimming wires.



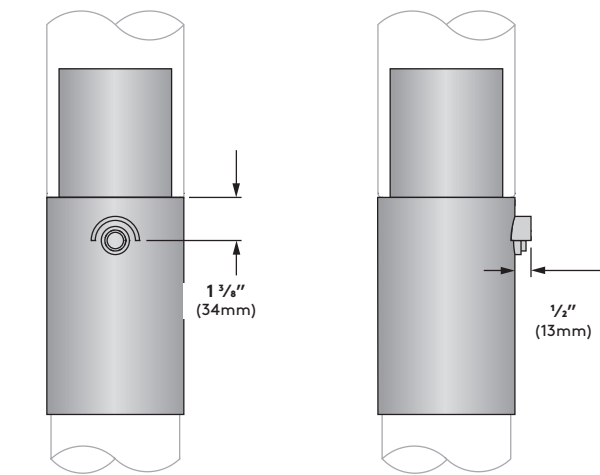
Motion Sensor Option (MS) Wiring (120-480V)



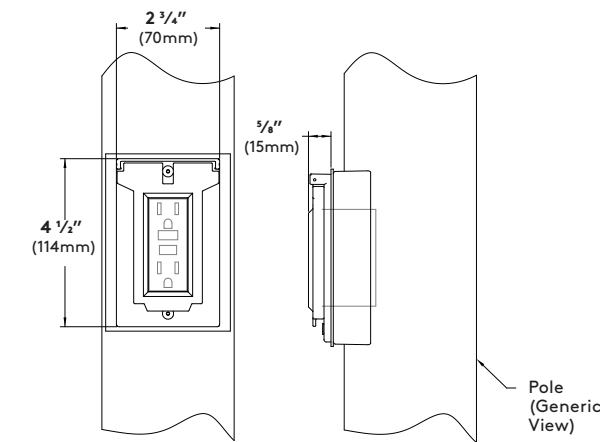
Wire Designation Table		
Source Voltage (VAC)	Wire Color	Wire Designation
120V, 277V, or 347V	Black	L1
	White	Neutral
208V, 240V, or 480V	Black	L1
	Red	L2
UNV (120V-277V)	Black	L1
	White	Neutral (120/277V) or L2 (208/240V)

Optional Accessories

Photo Cell Tenon (PCT) - Button type photocell mounted in cast aluminum pole top tenon. Tenon has integral cast visor to prevent false start/stop cycle and can be oriented for optimum performance. Not available with Double Mounting.



REC and REC3

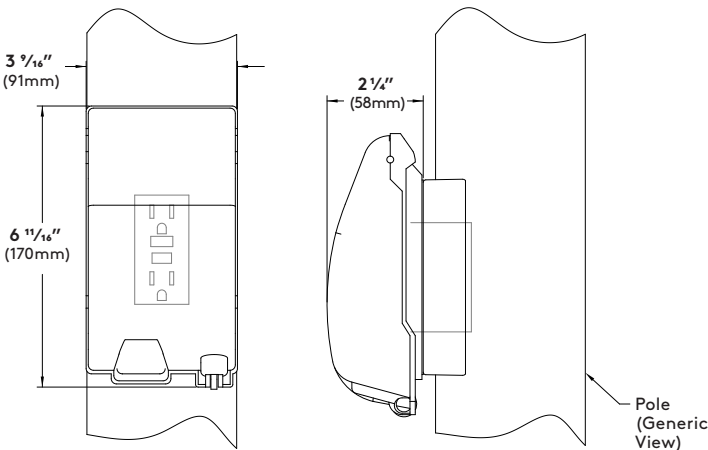


Cover shown in the closed position

GFCI Duplex (REC) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing cover; located 36" (914mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & GFCI Duplex Receptacle (REC3) (not shown) - 120V 15A GFCI duplex receptacle with USB combination ports. (1) USB Type-A and (1) USB Type-C port share 2.0A charging capacity between both ports. Includes weatherproof, self-closing cover; located 36" (914mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC2 and REC4



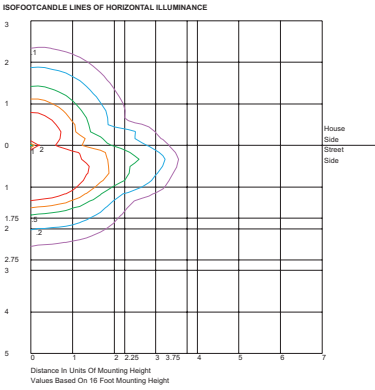
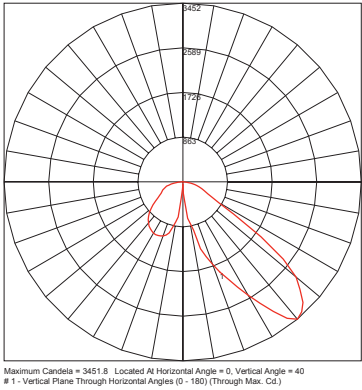
Cover shown in the closed position

GFCI Duplex Receptacle (REC2) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing, padlockable in-use cover; located 36" (914mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & GFCI Duplex Receptacle (REC4) (not shown) - 120V 15A GFCI duplex receptacle with USB combination ports. (1) USB Type-A and (1) USB Type-C port share 2.0A charging capacity between both ports. Includes weatherproof, self-closing padlockable in-use cover; located 36" (914mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

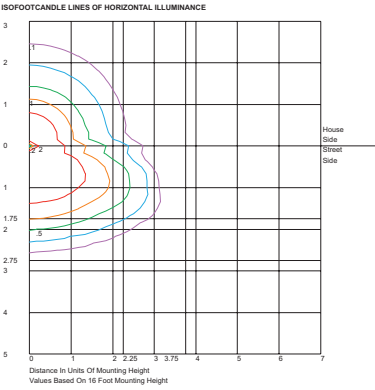
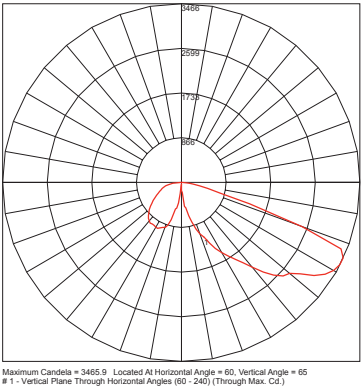
R1 Optics / 64W LED / 3000K CCT

Catalog #: BLL-X-R1-5G700-30-XX-UNV
Delivered Lumens: 6330
Input Watts: 64W
Efficacy: 98 lm/W
CCT: 2884K
CRI (Ra): 82.9
Maximum candela of 3452 at 40°
IES classification: Type II
Mounting Height: 16' (4.9 m)
BUG Rating: B2-U0-G1
Power Factor: 0.994
Total Harmonic Distortion: 7.61%



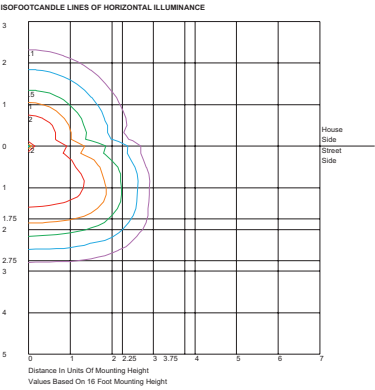
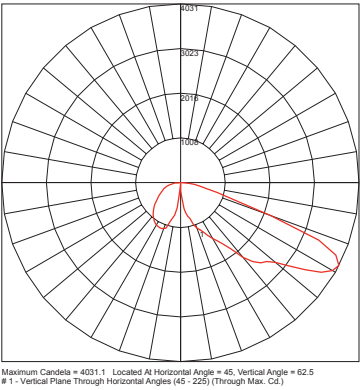
R2 Optics / 64W LED / 3000K CCT

Catalog #: BLL-X-R2-5G700-30-XX-UNV
Delivered Lumens: 6320
Input Watts: 64W
Efficacy: 99 lm/W
CCT: 2884K
CRI (Ra): 82.9
Maximum candela of 3466 at 65°
IES classification: Type III
Mounting Height: 16' (4.9 m)
BUG Rating: B1-U0-G1
Power Factor: 0.994
Total Harmonic Distortion: 7.61%



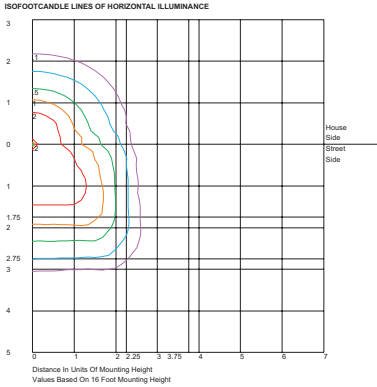
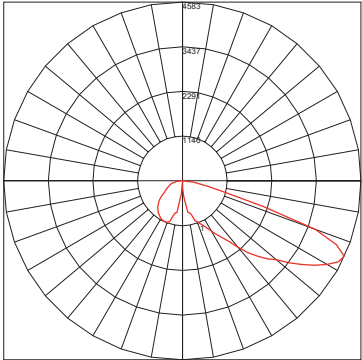
R3 Optics / 64W LED / 3000K CCT

Catalog #: BLL-X-R3-5G700-30-XX-UNV
Delivered Lumens: 6261
Input Watts: 64W
Efficacy: 98 lm/W
CCT: 2884K
CRI (Ra): 82.9
Maximum candela of 4031 at 62.5°
IES classification: Type III
Mounting Height: 16' (4.9 m)
BUG Rating: B1-U0-G1
Power Factor: 0.994
Total Harmonic Distortion: 7.61%



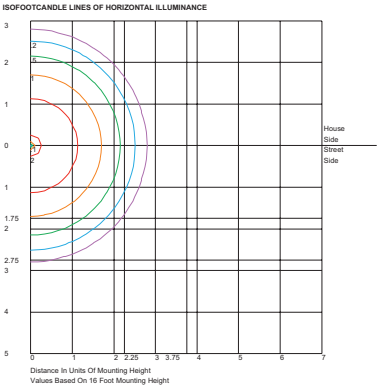
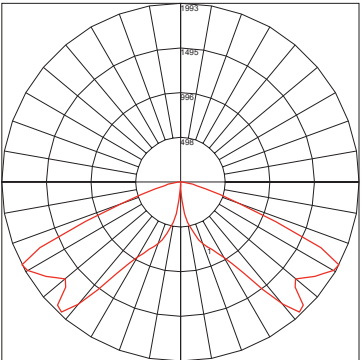
R4 Optics / 65W LED / 3000K CCT

Catalog #: BLL-X-R4-5G700-30-XX-UNV
Delivered Lumens: 6396
Input Watts: 65W
Efficacy: 99 lm/W
CCT: 2884K
CRI (Ra): 82.9
Maximum candela of 4583 at 65°
IES classification: Type III
Mounting Height: 16' (4.9 m)
BUG Rating: B1-U0-G1
Power Factor: 0.994
Total Harmonic Distortion: 7.61%



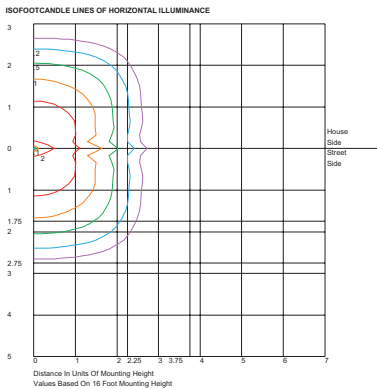
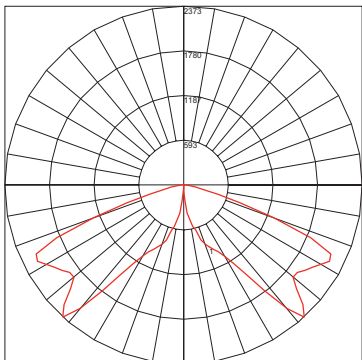
R5R Optics / 64W LED / 3000K CCT

Catalog #: BLL-X-R5R-5G700-30-XX-UNV
Delivered Lumens: 6422
Input Watts: 64W
Efficacy: 101 lm/W
CCT: 2884K
CRI (Ra): 82.9
Maximum candela of 1993 at 62.5°
IES classification: Type V
Mounting Height: 16' (4.9 m)
BUG Rating: B2-U0-G1
Power Factor: 0.994
Total Harmonic Distortion: 7.61%



R5S Optics / 64W LED / 3000K CCT

Catalog #: BLL-X-R5S-5G700-30-XX-UNV
Delivered Lumens: 6449
Input Watts: 64W
Efficacy: 101 lm/W
CCT: 2884K
CRI (Ra): 82.9
Maximum candela of 2373 at 42.5°
IES classification: Type VS
Mounting Height: 16' (4.9 m)
BUG Rating: B2-U0-G1
Power Factor: 0.994
Total Harmonic Distortion: 7.61%



Application

An unshielded bollard with safety guard and 180° distribution for illumination of gardens and residential areas. Direct burial anchorage intended to be buried in soil or cast directly in concrete.

Materials

Hand-blown three-ply opal glass
Marine grade, copper free (≤0.3% copper content) A360.0 aluminum alloy
High temperature silicone gasket
Galvanized steel anchorage

NRTL listed to North American Standards, suitable for wet locations
Protection class IP 65

Weight: 18.5lbs.

Electrical

Operating voltage	120-277VAC
Minimum start temperature	-30° C
LED module wattage	8.0W
System wattage	10.0W
Controllability	0-10V, TRIAC, and ELV dimmable
Color rendering index	Ra > 80
Luminaire lumens	173lm
LED service life (L70)	60000hrs

LED color temperature

4000K (K4)
3500K (K35)
3000K (K3)
2700K (K27)

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish

All BEGA standard finishes are matte, textured powder coat with minimum 3 mil thickness. BEGA Unidure® finish, a fluoropolymer technology, provides superior fade protection in Black, Bronze, and Silver. BEGA standard White is a super durable polyester powder. Optionally available RAL and custom color finishes provided in either polyester powder or liquid paint.

Available colors

Black (BLK)	Bronze (BRZ)
Silver (SLV)	White (WHT)
RAL:	CUS:

Type:

BEGA Product:

Project:

Modified:

Available options

CUS	Custom finish
FSC	Fusing
MGU	Marine grade undercoat
RAL	RAL finish



Bollard · Direct burial · 180°

	LED	A	B
B84317	8.0W	5 1/2	35 5/8



Application

Bollard with fully shielded light distribution. The glare-free illumination of these luminaires is ideally suited for lighting entrances and footpaths as well as many areas of garden and landscape architecture.

Materials

- Clear safety glass with optical texture
- Marine grade, copper free (≤ 0.3% copper content) A360.0 aluminum alloy
- High temperature silicone gasket
- Mechanically captive stainless steel fasteners
- Self-expanding sleeve anchors for pre-cast concrete
- Pure anodized aluminum reflector

NRTL listed to North American Standards, suitable for wet locations
Protection class IP 65

Weight: 11.0lbs.

Electrical

- Operating voltage120-277VAC
- Minimum start temperature-30° C
- LED module wattage20.6W
- System wattage20.6W
- Controllability0-10V, TRIAC, and ELV dimmable
- Color rendering indexRa > 80
- Luminaire lumens1577 lm
- LED service life (L70)60000hrs

LED color temperature

- 4000K (K4)
- 3500K (K35)
- 3000K (K3)
- 2700K (K27)

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish

All BEGA standard finishes are matte, textured powder coat with minimum 3 mil thickness. BEGA Unidure® finish, a fluoropolymer technology, provides superior fade protection in Black, Bronze, and Silver. BEGA standard White is a super durable polyester powder. Optionally available RAL and custom color finishes provided in either polyester powder or liquid paint.

Available colors

- Black (BLK)
- Silver (SLV)
- RAL:
- Bronze (BRZ)
- White (WHT)
- CUS:

Type:

BEGA Product:

Project:

Modified:

Available options

- CUSCustom finish
- FSCFusing
- MGUMarine grade undercoat
- RALRAL finish

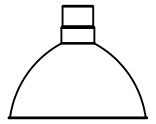


Bollard · Shielded				
	LED	A	B	C
B88261	20.6W	10	37 ³ / ₈	4 ³ / ₈



WILCOX INTEGRATED LED SERIES

JOB NAME: _____ FIXTURE TYPE: _____



BLE -	-	-	-	-	-	-	-
A	B	C	D	E	F	G	
-	-	-	-	-	-	-	
H	I	J	K	L	M		

Order Example: BLE - C - DBW16 - 455 - CRZ - 12FT - 455 - NA - ACR - 455 - NA - LED16 - 2700K - DL

A - MOUNTING STYLE

C	Cord Hung
CN	Chain Hung
F	Flush Mount ¹
G	Gooseneck
S	Stem Mount

B - SHADE SIZE

WILCOX:

DBW8	8" Shade ¹
DBW10	10" Shade
DBW12	12" Shade
DBW14	14" Shade
DBW16	16" Shade ²
DBW20	20" Shade ³

C - SHADE FINISH

PORCELAIN FINISHES⁴:

150	Black
250	White
350	Vintage Green
355	Jadite
455	Cherry Red
550	Yellow
650	Bronze
750	Cobalt Blue
765	Delphite Blue
850	Graphite
950	Metallic Chrome

POWDER COAT FINISHES⁵:

100	Black
105	Textured Black
106	Matte Black
200	White
206	Matte White
300	Dark Green
307	Emerald Green
311	Jadite
370	Mint
380	Chartreuse
390	Teal
400	Barn Red
420	Orange
470	Watermelon
480	Blush Pink
490	Magenta
495	Sherbet Orange
500	Buttery Yellow
570	Sunflower

C - SHADE FINISH (CONTINUED)

POWDER COAT FINISHES⁵:

600	Bronze
601	Chocolate
605	Rust
615	Oil-Rubbed Bronze
700	Royal Blue
705	Navy
710	Cobalt Blue
715	Delphite Blue
790	Lavender
800	Industrial Grey
805	Charcoal Granite
810	Graphite
975	Galvanized

NATURAL METALS⁶:

995	Raw Copper
996	Weathered Copper
997	Raw Brass
998	Weathered Brass
999	Oil-Rubbed Copper

D - MOUNTING

Please Note: If Flush Mount [F] is selected in **Section A**, please select **NA**

NA	Not Applicable
----	----------------

CSA LISTED CORDS:

SBK	Standard Black
SWH	Standard White
CSB	Black Cloth
CSW	White Cloth
CMG	Grey Cloth
CSR	Red Cloth
CRZ	Red Chevron Cloth
CSBB	Black & Brown Cloth
CSRW	Red & White Cloth
CSGW	Gold & White Cloth
CSBG	Black & Gold Cloth
CSBW	Black & White Cloth
CSBP	Black & Pink Cloth
CSUW	Blue & White Cloth

CHAIN MOUNT OPTIONS³:

CN36	3' of Chain
CN48	4' of Chain
CN60	5' of Chain
CN72	6' of Chain

D - MOUNTING (CONTINUED)

GOOSENECK OPTIONS:

G1 ³	G8	G15	G32
G2 ³	G9	G16 ³	G34 ³
G3 ^{3,7}	G10	G17	G35 ³
G4 ⁷	G11 ³	G22	G36 ³
G5 ³	G12 ³	G24	G64 ³
G6	G13	G25	G65 ³
G7	G14	G26 ³	

STEM MOUNT OPTIONS:

ST506	.5" Stem Mount, 6" ³
ST512	.5" Stem Mount, 12" ³
ST518	.5" Stem Mount, 18" ³
ST524	.5" Stem Mount, 24" ³
ST536	.5" Stem Mount, 36" ³
ST548	.5" Stem Mount, 48" ³
ST706	.75" Stem Mount, 6"
ST712	.75" Stem Mount, 12"
ST718	.75" Stem Mount, 18"
ST724	.75" Stem Mount, 24"
ST736	.75" Stem Mount, 36"
ST748	.75" Stem Mount, 48"

E - CORD LENGTH⁸

NA	Not Applicable
7FT	7' of Cord
12FT	12' of Cord
20FT	20' of Cord

F - MOUNTING FINISH

Please Note: See **Section C** for Finish Options. 980-Brushed Aluminum is also available for Gooseneck (Not Available with G36, G64 & G65) and Stem mounting styles. If a Porcelain shade finish is selected, mounting will be powder coat painted-to-match. Porcelain shade finishes are not available with a Natural Metal mounting finish

(I) If Cord Hung [C], selection identifies canopy finish

(II) If Chain Hung [CN] Mounting Style, selection identifies chain and canopy finish. Natural Metals are not applicable

(III) If Stem Mount [S] Mounting Style, selection identifies stem and canopy finish

(IV) If Flush Mount [F] Mounting Style, selection identifies hex coupler and canopy finish. Natural Metals are not applicable

980	Brushed Aluminum
-----	------------------

G - CORDS⁹Please Note: See **Section D** for all applicable CSA Listed Cord Options

NA	Not Applicable
----	----------------

H - SHADE ACCESSORIES³

NA	None
WC	Wire Cage
ACR	Acrylic Diffuser ^{10,11}

I - SHADE ACCESSORY FINISH

Please Note: See **Section C** for Finish Options. Natural Metals not applicable. If Porcelain Finish is selected, accessory will be powder coat painted-to-match

NA	Not Applicable
----	----------------

J - MOUNTING ACCESSORY

Please Note: Mounting Accessories below are only applicable with select Mounting Styles. Please refer to product listings on our website for further detail

NA	None/Not Applicable
HSC	Hang Straight Canopy ^{3,12}
LDBPC	LED Decorative Backing Plate Cover ^{13,14}
LDCHX	LED Decorative Backing Plate Cover & Hex Cover ^{13,14}

K - LIGHT SOURCE

LED11	850 Lumen
LED16	1250 Lumen
LED27	2000 Lumen ¹⁵
LED38	3000 Lumen ¹⁵
LED43	4000 Lumen ^{1,15}

L - COLOR TEMPERATURE

2700K	2700K, Warm White
3000K	3000K, Neutral White
3500K	3500K, Bright White
4000K	4000K, Cool White

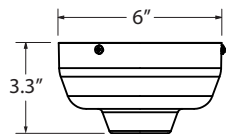
M - LED LENS

DL	Domed Lens
FL	Flat Lens

IMPORTANT: (1) Not available with Acrylic Diffuser shade accessory (2) Not available in Brass (3) Not available in Natural Metals (4) All Porcelain Enamel finished shades feature a white interior and a black outer rim (5) All Powder Coat finished shades, Galvanized excluded, feature a white interior (6) Natural Metals have a longer estimated manufacturing time, please check the website for exact lead time. There are no returns accepted on Natural Metals (7) Not compatible with 16" shade size or larger (8) Only applicable if Cord Hung Mounting Style is selected in Section A, select NA if another Mounting Style is selected in Section A (9) Only applicable if Chain Hung Mounting Style is selected in Section A, select NA if another Mounting Style is selected (10) Acrylic Diffuser limits the maximum lumens delivered and LPW. Selection Limits: 1250 Max for 8" and 10" shades; 2000 Max for 12" and 14" shades; 3000 Max for 16" and 20" shades (11) Fixture is CSA listed for Damp Locations with Acrylic Diffuser (12) Only applicable if Stem Mounting Style is selected in Section A (13) Only available if Gooseneck Mounting Style is selected in Section A (14) Not available with G3, G4, G11, G15, & G26 Gooseneck option (15) Not applicable if DBW8 or DBW10 is selected in section B

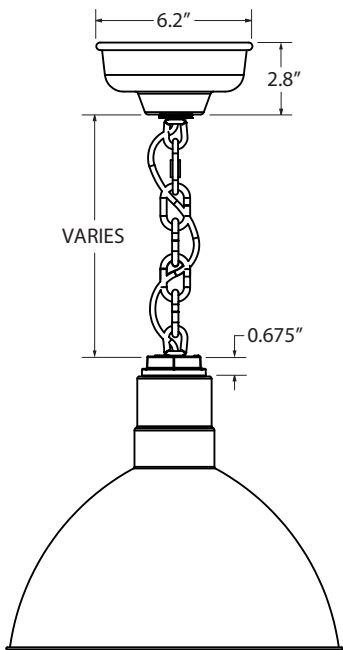
MOUNTING STYLE

HIGH LUMEN CANOPY
FOR PENDANT & FLUSH MOUNT



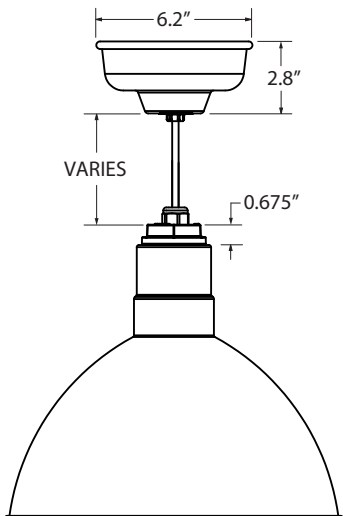
Required if LED 27, 38, 43 Light Source
selected in Section K

CHAIN HUNG PENDANT (CN)



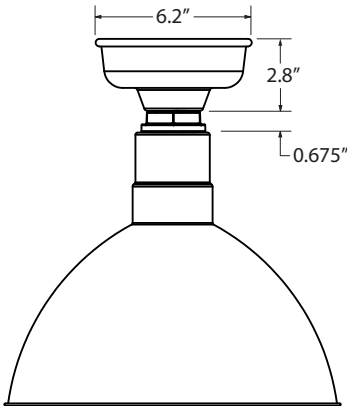
Canopy shown required if LED 11 & 16 Light Source
selected in Section K

CORD HUNG PENDANT (C)



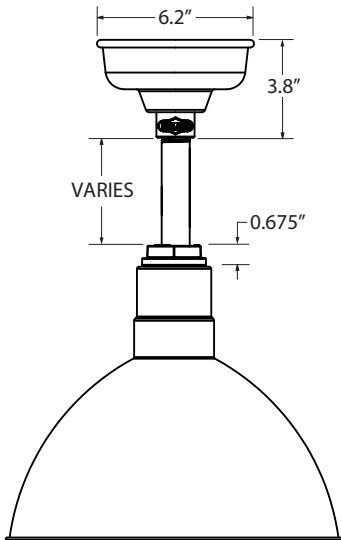
Canopy shown required if LED 11 & 16 Light Source
selected in Section K

FLUSH MOUNT (F)



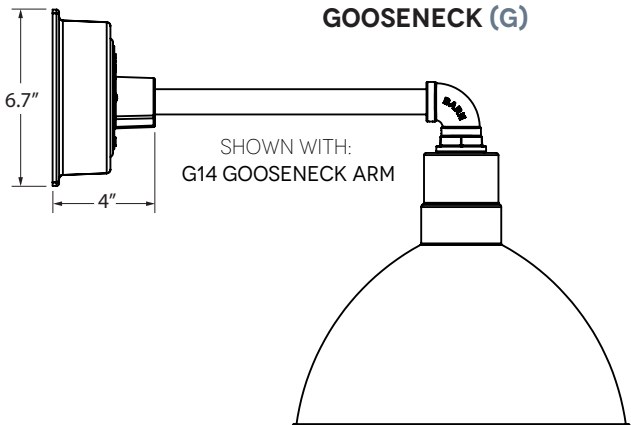
Canopy shown required if LED 11 & 16 Light Source
selected in Section K

STEM MOUNT PENDANT (S)

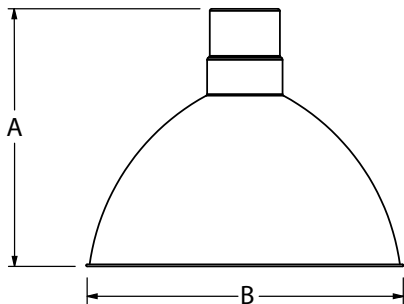


Canopy shown required if LED 11 & 16 Light Source
selected in Section K

GOOSENECK (G)



LUMINAIRE DIMENSIONS



SHADE CODE	HEIGHT (A)	DIAMETER (B)	EXTENSION (C)
DBW8	8.25"	8"	4.3"
DBW10	9"	10"	3.6"
DBW12	9.75"	12"	2.8"
DBW14	11.25"	14"	1.3"
DBW16	12.75"	16"	N/A
DBW20	16.25"	20"	N/A

SPECIFICATIONS**CERTIFICATIONS, LISTINGS & WARRANTY**

MADE IN THE USA
 Manufactured and Hand-Crafted in Our 60,000 Square Foot Facility
 Located in Titusville, FL

CSA LISTED FOR WET LOCATIONS
 Includes All Gooseneck, Stem and Flush Mounting Styles
 ACR is CSA Listed for Damp Locations for Gooseneck and Stem
 Mounting Styles

CSA LISTED FOR DAMP LOCATIONS
 Includes All Chain and Cord Hung Mounting Styles
 ACR is CSA Listed for Damp Locations

LIMITED WARRANTY
 For Additional Information on Our Limited Warranty, Please See
 Our Terms & Conditions

CONSTRUCTION & FINISH

POWDER COAT SHADE
 Hand-Spun from High Purity 3003-O Temper Aluminum

GALVANIZED SHADE
 Hand Spun from High Quality Galvanized Steel or from High Purity
 3003-O Temper Aluminum for 20" Size Shades

PORCELAIN SHADE
 Hand-Spun from 20 Gauge Porcelain Steel

POWDER COAT FINISHES
 Polyester Powder Coat Finishes Are Electro-Statically Applied and
 Thermocured

PORCELAIN FINISHES
 Applied by Hand and Fired in a High Temperature Oven

COPPER
 Hand-Spun from High Purity C11000-O60 ETP Copper

BRASS
 Hand-Spun from High Purity C2600-O60 Brass

STEM
 1/2" Nominal (0.84" Actual) or 3/4" Nominal (1.05" Actual) Sch 40,
 6063 Aluminum Mounting Stem. Custom Lengths Available upon
 Request

GOOSENECK
 1/2" Nominal (0.84" Actual) or 3/4" Nominal (1.05" Actual) Sch 40,
 6063 Aluminum Gooseneck

CORD
 Cord Hung Pendants Include 7', 12' or 20' of Cord (Overall Cord
 Length is Measured from Base of Socket and Varies Based on
 Fixture)

CHAIN
 4-Gauge Chain Complete with Quick Link for On-Site Adjustments
 to Chain's Length

LED LIGHT SOURCE

AVAILABLE CCT: 2700K, 3000K, 3500K, 4000K
 90+ CRI

ELECTRICAL/LED DRIVER

POWER FACTOR > 0.9

EFFICIENCY: UP TO 87% TYPICAL

INPUT VOLTAGE: 120-277 VAC (SEE DIMMING SECTION)

CLASS 2 POWER SUPPLY

LED DRIVER LIFETIME: > 100,000 HOURS (@ 25 DEG C AMBIENT)

IP64 MINIMUM RATING CASE WITH SILICONE-BASED POTTING

PROTECTIONS

Output Open Load, Over-Current and Short-Circuit (hiccup), and
 Over-Temperature with Auto Recovery

CONDUCTED AND RADIATED EMI
 Compliant with FCC CFR Title 47 Part 15 Class B (120 Vac), Class A
 (277 Vac) and EN55015 (CISPR 15) at 220, 230 and 240 Vac

COMPLIANT WITH
 Complies with Energy Star® DLR (DesignLight Consortium®) and CA
 Title 24 Technical Requirements

DIMMING

TRI-MODE DIMMING™

Compatible with TRIAC (forward-phase or leading-edge), ELV
 (reverse-phase or trailing-edge) and 0-10 V Dimmers

DIMMING RANGE 1-100%

The Dimming Range Is Dependent on Each Specific Dimmer. May
 Not Be Able to Achieve 1% Dimming with Some Dimmers.

TRIAC AND ELV DIMMING ONLY AT 120 VAC

ELV DIMMING AT 230 VAC
 Available by Request

COMPATIBLE DIMMERS

Consult Factory for Additional Information on Dimming

Application

This wall luminaire has a partially shielded light source and is designed for the down lighting of interior and exterior locations with glare-free illumination.

Materials

Hand-blown three-ply opal glass
Marine grade, copper free (≤0.3% copper content) A360.0 aluminum alloy
High temperature silicone gasket
Galvanized zinc-plated mounting bracket

NRTL listed to North American Standards, suitable for wet locations
Protection class IP 44

Weight: 3.3lbs.

Electrical

Operating voltage	120-277VAC
Minimum start temperature	-30° C
LED module wattage	8.9W
System wattage	12.0W
Controllability	0-10V, TRIAC, and ELV dimmable
Color rendering index	Ra > 90
Luminaire lumens	722lm
LED service life (L70)	60000hrs

LED color temperature

4000K (K4)
3500K (K35)
3000K (K3)
2700K (K27)

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish

All BEGA standard finishes are matte, textured powder coat with minimum 3 mil thickness. BEGA Unidure® finish, a fluoropolymer technology, provides superior fade protection in Black, Bronze, and Silver. BEGA standard White is a super durable polyester powder. Optionally available RAL and custom color finishes provided in either polyester powder or liquid paint.

Available colors

Black (BLK)	Bronze (BRZ)
Silver (SLV)	White (WHT)
RAL:	CUS:

Type:

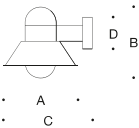
BEGA Product:

Project:

Modified:

Available options

CUS	Custom finish
FSC	Fusing
MGU	Marine grade undercoat
RAL	RAL finish



Wall luminaire · Shielded					
	LED	A	B	C	D
B66410	8.9W	10 ¹ / ₄	10 ¹ / ₈	12 ³ / ₈	4 ³ / ₈





SPECIFICATIONS

DESCRIPTION:
Compact MR16 adjustable accent fixture.
Suitable for wet/damp/dry location installations.

MATERIAL:
Standard overall material is 6061 aluminum.
HL-360 - Machined Aluminum (Standard)
HL-360-1 - Machined Stainless Steel
HL-360-2b - Machined Brass

FINISH:
AA - Anodized Satin Aluminum
AP - Powder Coat Aluminum
BK - Powder Coat Black
BZ - Powder Coat Bronze
WT - Powder Coat White
N - Natural, for Stainless Steel and Brass

HALOGEN LAMPING OPTION:
Lamp Type - 12V halogen MR16 lamp, bi-pin GX5.3 base, 50W max, not included (standard).

LED OPTIONS
Integral high output LED, warm white 85 CRI (90 available)
2700K or **3000K** Standard (**4000K**, **5000K**, & **6000K** available)
3LED - 3W LED - 180 lumens
8LED - 8W LED - 300 lumens
8LED-E - 8.4W LED - 565 lumens

OPTICS
3LED and 8LED:
SP - Spot, 12°
NF - Narrow Flood, 24°
FL - Flood, 36°
8LED-E:
SP - Spot 14°
NF - Narrow Flood, 25°
MF - Medium Flood, 30°
FL - Flood, 40°

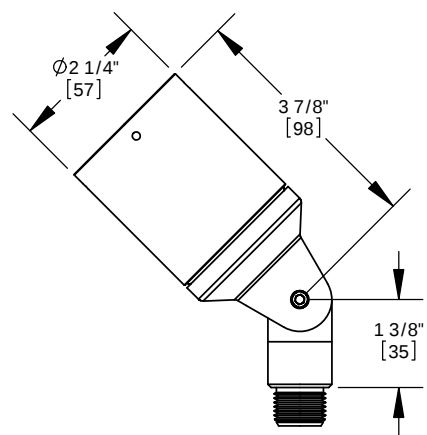
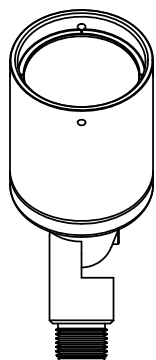
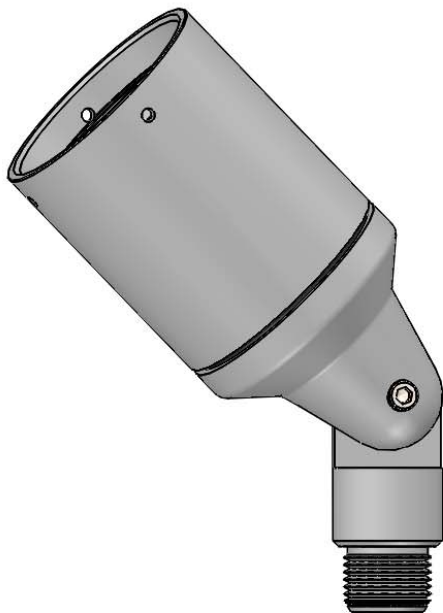
VOLTAGE:
12 - 12 VAC output transformer required, not included.

MOUNTING:
Fixture is designed with a 1/2-NPS adjustable mounting stem.

OPTIONS:
Glare shields
GL-10 - Short Angled, aluminum
GL-11 - Angled, aluminum
GL-12 - Angled, brass
GL-13 - Straight, aluminum
GL-14 - Straight, brass
Lenses/Louvers/Color Filters
LA-1 - Hexcell Louver (Black)
LA-2 - Prismatic lens
LA-3 - Linear spread lens
LA-4 - Soft focus lens (diffused)
LA-5 - Moonlight lens
LA-6 - Blue lens

See fixture accessories for more information.

RATING:
Wet/damp/dry location.



MADE IN THE USA

ORDER SPECIFICATION: _____ - _____ - _____ - _____ - _____
Fixture Finish Lamping Voltage Options/Access.

PROJECT: _____

APPROVED: _____

NOTE: _____

TYPE: _____

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Web Site <http://www.hevilite.com>

CATALOG NUMBER:
HL-360