

FEATURES

- Versatile, transitional designed decorative luminaire, created to yield the ultimate in flexibility in LED post top, pendant and catenary Lighting
- Featuring two different optical technologies, Strike and Micro Strike Optics, which provide the best distribution patterns for retrofit or new construction
- Shade and ring options available to enhance the product design and match any application
- Frosted lens option available based on up light and glare concerns. No lens option is also available as optical chamber is completely sealed.

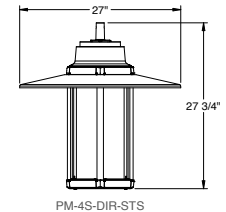


slide



Slide Catenary Mount

	WEIGHT	EPA (FT2) TOTAL
SLD2	26 lbs/ 11.79 kgs	0.66-1.52



SPECIFICATIONS

CONSTRUCTION

- Driver housing is made of die-cast aluminum
- Shade shall be made from a one-piece aluminum spinning
- Corrosion resistant, die-cast aluminum housing with 1000 hour powder coat paint finish
- For pendant and catenary configurations, the housing is designed to be mounted in place with a stainless-steel safety pin and then permanently held in place with four stainless steel bolts
- External hardware is stainless steel
- Optional frosted lens is made from a durable acrylic material

OPTICS

- Micro Strike Optics (80L LED count) maximize uniformity in applications and come standard with mid-power LEDs which evenly illuminate the entire luminous surface area to provide a low glare appearance. Catalog logic found on page 2
- Strike Optics (18L LED count) provide best in class distributions and maximum pole spacing in new applications with high powered LEDs. Strike optics are held in place with a polycarbonate bezel to mimic the appearance of the Micro Strike Optics so both solutions can be combined on the same application. Catalog logic found on page 3
- Both optics maximize target zone illumination with minimal losses at the house-side, reducing light trespass issues. Additional backlight control shields can be added for further reduction of illumination behind the pole

- One-piece silicone gasket ensures a weatherproof seal
- No lens configurations are full cutoff with zero up-light
- All optics are field and factory rotatable
- Listed to UL1598 and CSA22.2 #250.0-24 for wet locations and 40C ambient temperatures

ELECTRICAL

- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz
- Ambient operating temperature -40°C to 40°C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection, and short circuit protection with auto recovery
- Field replaceable surge protection device provides 20kA protection meeting ANSI/ IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is compromised

CONTROLS

- 0- 10V Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than the 6" standard
- The housing is designed for an optional twist lock photo control receptacle

CERTIFICATIONS

- Listed to UL1598 and CSA C22.2#250.0- 24 for wet locations and 40°C ambient temperatures
- 1.5 G rated for ANSI C136.31 high vibration applications
- Luminaire light engine is IP65 rated
- Meets IDA recommendations using 3K CCT configuration with no lensing
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/23/2020.

WARRANTY

- 5 year warranty

ORDERING GUIDE

Example: SLD2-CM-2S-AF-80L-25-4K7-2-UNV-BLS

CATALOG #

Series	Mounting	Style	Lens	# LED's - Wattage	CCT-CRI	Distribution	Voltage
SLD2	CM Catenary Mount	2S 2 Strut	AF Acrylic Frosted	Micro Strike	AM Amber Monochromatic*	2 Type 2	UNV (120-277VAC) 347V 480V
		4S 4 Strut	NL No Lens	80L-25 80L-40 80L-50 80L-70 80L-90	AP Amber Phosphor Converted** 27K8 2700K 80CRI 3K7 3000K 70 CRI 3K8 3000K 80CRI 35K8 3500K 80CRI 4K7 4000K 70CRI 4K8 4000K 80CRI 5K7 5000K 70CRI 5K8 5000K 80CRI	3 Type 3 4W Type 4 Wide 4F Type 4 Forward 5QW Type 5 Square Wide	
				Strike 18L-25 18L-39 18L-50 18L-70	*80L only **18L only	2 Type 2 3 Type 3 4W Type 4 Wide 4F Type 4 Forward 5QW Type 5 Square Wide FR Front Row 5W Type 5 Wide 5QN Type 5 Square Narrow 5QM Type 5 Square Medium 5RW Type 5 Rectangular C Corner Optic TC Tennis Court	

Options	Shade Options	Decorative Options	Photocontrol	Programmed Controls	Colors
BC Backlight Control TB Terminal Block CD Continuous Dimming	CTS Curved Shade STS Sloped Shade FTS Flat Shade NS No Shade	DR 3 Decorative Rings	PC Button Photocell	ADD AutoDim Timer Based Dimming ADT AutoDim Time of Day Dimming	BLS Black Gloss Smooth BLT Black Matte Textured DBS Dark Bronze Gloss Smooth DBT Dark Bronze Matte Textured GTT Graphite Matte Textured LGS Light Gray Gloss Smooth LGT Light Gray Matte Textured PSS Platinum Silver Gloss Smooth VGT Verde Green Matte Textured WHS White Gloss Smooth WHT White Matte Textured
					Color Options CC Custom Color

CATENARY - NO SHADE (N5)				
	SLD2-CM-2S-NL-NS-D	SLD2-CM-4S-NL-NS	SLD2-CM-4S-NL-NS-DR	
	SLD2-CM-2S-AF-NS	SLD2-CM-4S-AF-NS	SLD2-CM-4S-AF-NS-DR	SLD2-CM-2S-AF-NS-DR
CATENARY - FLAT (FTS)				
	SLD2-CM-2S-NL-FTS	SLD2-CM-2S-NL-FTS-DR	SLD2-CM-4S-NL-FTS	SLD2-CM-4S-NL-FTS-DR
	SLD2-CM-4S-AF-FTS-DR	SLD2-CM-2S-AF-FTS-DR	SLD2-CM-2S-AF-FTS	SLD2-CM-4S-AF-FTS

CATENARY - CURVE (CTS)				
	SLD2-CM-2S-NL-CTS-DR	SLD2-CM-4S-NL-CTS-DR	SLD2-CM-2S-NL-CTS	SLD2-CM-4S-NL-CTS
	SLD2-CM-2S-AF-CTS	SLD2-CM-4S-AF-CTS	SLD2-CM-2S-AF-CTS-DR	SLD2-CM-4S-AF-CTS-DR
CATENARY - STRAIGHT (STS)				
	SLD2-CM-2S-NL-STs	SLD2-CM-2S-NL-STs-DR	SLD2-CM-4S-NL-STs	SLD2-CM-4S-NL-STs-DR
	SLD2-CM-2S-AF-STs	SLD2-CM-4S-AF-STs	SLD2-CM-2S-AF-STs-DR	SLD2-CM-4S-AF-STs-DR

DELIVERED LUMENS – PENDANT / CATENARY NO LENS

# Of LEDs	Nominal Wattage	System Watts	Distribution Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
				Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)
					B	U	G			B	U	G			B	U	G	
80	25	24.7	2	3290	1	0	1	133	3290	1	0	1	133	3217	1	0	1	130
			3	3325	1	0	1	135	3325	1	0	1	135	3250	1	0	1	132
			4F	3375	1	0	1	137	3375	1	0	1	137	3299	1	0	1	134
			4W	3407	1	0	1	138	3407	1	0	1	138	3331	1	0	1	135
			5QW	3450	3	0	1	140	3450	3	0	1	140	3373	2	0	1	137
	39	38.4	2	4975	1	0	1	130	4975	1	0	1	130	4863	1	0	1	127
			3	5027	1	0	1	131	5027	1	0	1	131	4915	1	0	1	128
			4F	5103	1	0	2	133	5103	1	0	2	133	4988	1	0	2	130
			4W	5151	1	0	2	134	5151	1	0	2	134	5036	1	0	2	131
			5QW	5217	3	0	1	136	5217	3	0	1	136	5100	3	0	1	133
	50	49	2	5922	1	0	1	121	5922	1	0	1	121	5790	1	0	1	118
			3	5985	2	0	2	122	5985	2	0	2	122	5851	1	0	2	119
			4F	6074	1	0	2	124	6074	1	0	2	124	5938	1	0	2	121
			4W	6133	1	0	2	125	6133	1	0	2	125	5995	1	0	2	122
			5QW	6210	3	0	2	127	6210	3	0	2	127	6071	3	0	1	124
	70	68.6	2	7472	1	0	1	109	7472	1	0	1	109	7305	1	0	1	106
			3	7551	2	0	2	110	7551	2	0	2	110	7382	2	0	2	108
			4F	7664	1	0	2	112	7664	1	0	2	112	7492	1	0	2	109
			4W	7737	1	0	2	113	7737	1	0	2	113	7564	1	0	2	110
			5QW	7836	3	0	2	114	7836	3	0	2	114	7660	3	0	2	112
90	89.7	2	8772	2	0	2	98	8772	2	0	2	98	8575	2	0	2	96	
		3	8864	2	0	2	99	8864	2	0	2	99	8666	2	0	2	97	
		4F	8997	1	0	2	100	8997	1	0	2	100	8795	1	0	2	98	
		4W	9083	1	0	2	101	9083	1	0	2	101	8880	1	0	2	99	
		5QW	9198	4	0	2	103	9198	4	0	2	103	8992	4	0	2	100	
110	112	2	11624	2	0	2	104	11624	2	0	2	104	11364	2	0	2	101	
		3	11747	2	0	2	105	11747	2	0	2	105	11484	2	0	2	103	
		4F	11923	2	0	2	106	11923	2	0	2	106	11656	2	0	2	104	
		4W	12037	2	0	2	107	12037	2	0	2	107	11767	2	0	2	105	
		5QW	12190	4	0	2	109	12190	4	0	2	109	11917	4	0	2	106	

DELIVERED LUMENS – PENDANT / CATENARY AF LENS

# Of LEDs	Nominal Wattage	System Watts	Distribution Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 70 CRI)				
				Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)
					B	U	G			B	U	G			B	U	G	
80	25	24.7	2	2922	1	3	2	118	2922	1	3	2	118	2856	1	3	2	116
			3	2924	1	3	2	118	2924	1	3	2	118	2859	1	3	2	116
			4F	2977	1	3	2	121	2977	1	3	2	121	2910	1	3	2	118
			4W	2937	1	3	3	119	2937	1	3	3	119	2872	1	3	2	116
			5QW	2971	2	3	2	120	2971	2	3	2	120	2904	2	3	2	118
	39	38.4	2	4418	1	3	3	115	4418	1	3	3	115	4319	1	3	3	112
			3	4422	2	3	3	115	4422	2	3	3	115	4323	1	3	3	113
			4F	4501	1	3	3	117	4501	1	3	3	117	4400	1	3	3	115
			4W	4441	1	3	3	116	4441	1	3	3	116	4342	1	3	3	113
			5QW	4492	2	3	3	117	4492	2	3	3	117	4391	2	3	3	114
	50	49	2	5259	2	3	3	107	5259	2	3	3	107	5142	2	3	3	105
			3	5264	2	3	3	107	5264	2	3	3	107	5146	2	3	3	105
			4F	5358	1	3	3	109	5358	1	3	3	109	5238	1	3	3	107
			4W	5287	1	3	3	108	5287	1	3	3	108	5169	1	3	3	105
			5QW	5347	3	3	3	109	5347	3	3	3	109	5228	3	3	3	107
	70	68.6	2	6636	2	3	3	97	6636	2	3	3	97	6487	2	3	3	95
			3	6641	2	3	3	97	6641	2	3	3	97	6493	2	3	3	95
			4F	6760	2	3	3	99	6760	2	3	3	99	6609	2	3	3	96
			4W	6671	2	3	4	97	6671	2	3	4	97	6521	2	3	4	95
			5QW	6747	3	3	3	98	6747	3	3	3	98	6596	3	3	3	96
90	89.7	2	7790	2	3	3	87	7790	2	3	3	87	7615	2	3	3	85	
		3	7797	2	3	3	87	7797	2	3	3	87	7622	2	3	3	85	
		4F	7936	2	3	3	88	7936	2	3	3	88	7758	2	3	3	86	
		4W	7831	2	3	4	87	7831	2	3	4	87	7656	2	3	4	85	
		5QW	7920	3	3	3	88	7920	3	3	3	88	7743	3	3	3	86	
110	112	2	10323	3	3	4	92	10323	3	3	4	92	10092	3	3	4	90	
		3	10332	3	3	4	92	10332	3	3	4	92	10101	3	3	4	90	
		4F	10517	2	3	4	94	10517	2	3	4	94	10281	2	3	4	92	
		4W	10378	2	3	5	93	10378	2	3	5	93	10145	2	3	5	91	
		5QW	10496	3	3	4	94	10496	3	3	4	94	10261	3	3	4	92	

ELECTRICAL DATA

# LED's	Nominal Wattage	Input Voltage [Volts]	Oper. Current [Amps]	System Power [Watts]
80	25	120	0.20	24.5
		208	0.12	
		240	0.10	
		277	0.09	
		347	0.07	
		480	0.05	
	39	120	0.32	38.4
		208	0.18	
		240	0.16	
		277	0.14	
		347	0.11	
		480	0.08	
	50	120	0.41	49.0
		208	0.24	
		240	0.20	
		277	0.18	
		347	0.14	
		480	0.10	
	70	120	0.57	68.6
		208	0.33	
		240	0.29	
		277	0.25	
		347	0.20	
		480	0.14	
90	120	0.75	89.7	
	208	0.43		
	240	0.37		
	277	0.32		
	347	0.26		
	480	0.19		
110	120	0.88	106.1	
	208	0.51		
	240	0.44		
	277	0.38		
	347	0.31		
	480	0.22		

PROJECTED LUMEN MAINTENANCE

AMBIENT TEMP.	OPERATING HOURS					CALCULATED L70 (HOURS)
	0	25,000	**TM-21-11 36,000"	50,000	100,000	
25°C / 77°F	1.00	0.97	0.96	0.95	0.91	408,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.89	356,000

TEMPERATURE FACTOR (LATF)

AMBIENT TEMPERATURE	LUMEN MULTIPLIER	
0°C	32°F	1.03
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98
50°C	122°F	0.97

MICRO STRIKE LUMEN MULTIPLIER

CCT	70 CRI	80 CRI
2700K	-	0.841
3000K	0.977	0.861
3500K	-	0.900
4000K	1	0.926
5000K	1	0.937
MONOCHROMATIC AMBER MULTIPLIER		
Amber	0.25	

STRIKE LUMEN MULTIPLIER

CCT	70 CRI	80 CRI
2700K	-	0.810
3000K	0.933	0.853
3500K	-	0.894
4000K	1	0.900
5000K	1	0.900
MONOCHROMATIC AMBER MULTIPLIER		
Amber	0.25	

EPA (FT2) TOTAL

DESCRIPTION	EPA (FT2) TOTAL
Pendant/Catenary with shade and lens (PM-4S-DIR-STS-DR)	1.52
Pendant/Catenary with lens, no shade (PM-4S-DIR-NS-DR)	1.36
Pendant/Catenary with shade, no lens (PM-4S-DIR-STS-DR-NL)	0.92
Pendant/Catenary no shade no lens (PM-4S-DIR-NS-DR-NL)	0.66