

**Job Name:**133 ESSEX ST. DEVELOPMENT
Designer & Consultants: Swaney Application Design**Catalog Number:**PROV2-36L-295-3K7-3-***-STND_
MNT-UNV

Notes:

Type:**A3**

SLA24-58076

**PROV2**

ARCHITECTURAL AREA/SITE

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

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FEATURES

- Reliable, uniform, glare free illumination
- Types 1, 2, 3, 4W, 5Q, and 5W distributions
- Amber, 3000K, 4000K, 5000K CCT
- 0-10V dimming ready
- Integral Surge protection: 10k in parallel, 20k in series
- Upgrade Kits

PROVIDENCE®

Providence Medium

**SPECIFICATIONS****CONSTRUCTION**

- All housing components aluminum 360 alloy, sealed with continuous silicone rubber gaskets
- Standard configurations do not require a flat lens, optional lenses are tempered glass
- All internal and external hardware is stainless steel
- Finish: fade and abrasion resistant, electrostatically applied, thermally cured, triglycidyl isocyanurate (TGIC) polyester powdercoat
- Optical bezel finish to match the luminaire housing

LED/OPTICS

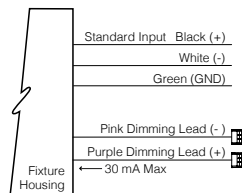
- Optical cartridge system consisting of a die cast heat sink, LED engine, TIR optics, gasket and bezel plate
- Optics are held in place without the use of adhesives
- Molded silicone gasket ensures a weather-proof seal around each individual LED.
- Features individual LED optical control based on high performance TIR optical designs
- House Side Shield is available on Standard and Clear Lens options except any Type 5 distribution. House Side Shield is not available for any distribution using a Diffused Lens

INSTALLATION

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury

ELECTRICAL

- Luminaires have UL recognized integral surge protection, and have a surge current rating of 10,000 Amps using the industry standard 8/20uSec wave and surge rating of 372J
- Drivers are UL recognized with an inrush current maximum of <20.0 Amps maximum at 230VAC
- 100%-1% dimming range. Fixture will be wired for low voltage 0-10V dimming control



- Driver and surge suppressor are mounted to a prewired tray with quick disconnects that may be removed from the gear compartment
- Surge protection: 10,000k in parallel, 20,000k in series

CONTROLS

- Egress adapter(s) will slip over a 4"/100mm DIA. pole with the luminaire or arm slipping over the adapter to add a total of 4.5"/114mm to the overall height. Adapter(s) are prewired, independently rotatable 359°, and have a cast access cover with an integral lens and lanyard

CONTROLS (CONTINUED)

- Egress adapter will require an auxiliary 120 volt supply for operation of an integral MR16 lamp in the event of emergency. The lamp may be aimed and locked into position with an adjustment range of 15°-45°. Adapter will have a socket that accepts miniature bi-pin MR16 lamps up to 50 watts, lamp by others
- Photocell adapter includes a 7-Pin internal twist lock receptacle. Photocell by others

CERTIFICATIONS

- ETL listed under UL 1598 and CSA C22.2 No. 250.0-08 for wet locations
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 5/29/2020

WARRANTY

- 5 year warranty

KEY DATA	
LUMEN RANGE	1,81–9,336
WATTAGE RANGE	31.52–71.6
EFFICACY RANGE (LPW)	44.9–118.9
INPUT CURRENT RANGE (mA)	295–615 mA
WEIGHT	29 lbs / 13.15 kg
EPA	1.33



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ORDERING GUIDE

Example: PROV2-36L-325-3K7-4W-BL-SLA1-DF-HS-AD5-UNV

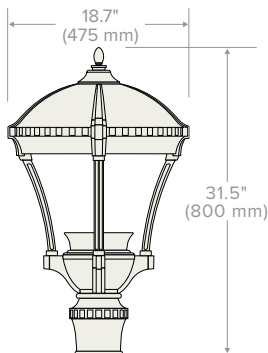
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HOUSING

PROV2		LED Quantity		Lumen output		CCT/CRI		Distribution		Finish	
PROV2	Providence Medium 2.0	36L	36 LED	295	450mA Microcore Equivalent	AMB	Amber-595nm Peak ¹	1	Type I	BLS	Black Gloss Smooth
				325	325mA, 4500 Lumens	3K7	3000K, 70 CRI	2	Type II	BLT	Black Matte Textured
				510	510mA, 6500 Lumens	4K7	4000K, 70 CRI	3	Type III	DBS	Dark Bronze Gloss Smooth
				525	700mA Microcore Equivalent	5K7	5000K, 70 CRI	4W	Type IV Wide	DBT	Dark Bronze Matte Textured
				615	615mA, 7500 Lumens	Contact factory for options listed below		5Q	Type V Square	GTT	Graphite Matte Textured
						27K8	2700K, 80 CRI	5W	Type V Wide	LGS	Light Grey Gloss Smooth
						80 or 90 CRI for standard color temperatures				LGT	Light Grey Matte Textured
										PSS	Platinum Silver Gloss Smooth
										VGT	Verde Green Matte Textured
										WHS	White Gloss Smooth
										WHT	White Matte Textured
										Color Option	
										CC ²	Custom Color

Mounting	Optional Lens	Options	Mounting Options	Voltage
Pole Mount	CL Clear Lens	HS House Side Shield ^{3,5}	AD5 Adaptor-5" OD Pole	UNV 120-277V
STND_MNT ⁶ Standard Mount	DL Diffused Lens ²	PFN Brass Colored Finish	PCA-C Photocontrol Adapter Contemporary	
PT23 2 3/8" tenon		SPK Cast Spikes	PCA-T Rotatable photocell housing. The housing slips over a 4"/100mm o.d. pole. a fixture slips over the 4"/100mm O.D. tenon. Includes an internal twist lock receptacle, and an access cover with integral lens and stainless steel tether. Adds 5"/125mm to the overall height of the pole/fixture assembly. Prewire don the load side and line side for easy installation. Photocell by others	
PT3 3" tenon		BPS Brass Colored Struts	EPA-C Egress Adapter Contemporary	
PT4 4" tenon		SF Single Fuse (120, 277)		
Arm Mount		DF Double Fuse (208, 240)		
SLA1 4" pole or tenon				
TRA5U-4 4" pole or tenon				
TRA6U-4 4" pole or tenon				
TRA8U-4 4" pole or tenon				
TRA55-4 4" pole or tenon				
TRA5U-5 5" pole or tenon				
TRA6U-5 5" pole or tenon				
TRA8U-5 5" pole or tenon				
TRA55-5 5" pole or tenon				
TRA56-5 5" pole or tenon				
Wall Mount				
WMA55 Wall Mount				
WMA56 Wall Mount				
Pier Mount				
PM1 Pier Mount 1				
PM2 Pier Mount 2				
PM3 Pier Mount 3				

DIMENSIONS



- Notes:
- 1 Turtle Friendly
 - 2 Diffused Lens is available only with T3 and T5W distribution
 - 3 House side Shield is available only with T1, T2, T3 and T4W distributions
 - 4 Consult factory for custom color, marine and corrosive finish options
 - 5 Contact Factory for additional glare shield options
 - 6 Slide over 4" OD Pole



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DELIVERED LUMENS

The table below shows the delivered lumens for the various lumen outputs and beam distributions. Use this chart in connection with the lumen factor (LF) capability to deliver any output required.

LED #	Drive Current	Lumen Package	Lens	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI							
					Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	
						1	0	1			1	0	1			1	0	1		1
36	295	450mA Microcore Equivalent	None	1	3807	1	0	1	116.6	3960	1	0	1	116.1	4128	1	0	1	121.0	
				2	3596	1	0	1	105.4	3740	1	0	1	109.7	3899	1	0	1	114.3	
				3	3471	1	0	1	101.8	3611	1	0	1	105.9	3764	1	0	1	110.4	
				4W	3501	1	0	1	102.7	3642	1	0	1	106.8	3796	1	0	1	111.3	
				1-HS	2355	0	0	1	69.1	2450	0	0	1	71.8	2554	0	0	1	74.9	
				2-HS	2049	0	0	1	60.1	2132	0	0	1	62.5	2222	0	0	1	65.2	
				3-HS	1981	0	0	1	58.1	2061	0	0	1	60.4	2148	0	0	1	63.0	
				4W-HS	2044	0	0	1	59.9	2126	0	0	1	62.3	2216	0	0	1	65.0	
				5Q	3818	2	0	1	112.0	3971	2	0	1	116.5	4140	2	0	1	121.4	
			5W	3529	2	0	1	103.5	3670	2	0	1	107.6	3826	2	0	1	112.2		
			Clear	1-CL	3242	1	0	1	95.0	3373	1	0	1	98.8	3516	1	0	1	103.0	
				2-CL	3062	1	0	1	89.7	3186	1	0	1	93.3	3321	1	0	1	97.3	
				3-CL	2957	1	0	1	86.6	3075	1	0	1	90.1	3206	1	0	1	93.9	
				4W-CL	2982	1	0	1	87.4	3102	1	0	1	90.9	3233	1	0	1	94.7	
				1-CL-HS	2006	0	0	1	58.8	2087	0	0	1	61.1	2175	0	0	1	63.7	
				2-CL-HS	1746	0	0	1	51.1	1816	0	0	1	53.2	1893	0	0	1	55.5	
				3-CL-HS	1688	0	0	1	49.4	1755	0	0	1	51.4	1830	0	0	1	53.6	
				4W-CL-HS	1740	0	0	1	51.0	1810	0	0	1	53.0	1887	0	0	1	55.3	
	5Q-CL	3252		2	0	1	95.3	3382	2	0	1	99.1	3526	2	0	1	103.3			
	5W-CL	3005	2	0	1	88.1	3126	2	0	1	91.6	3259	2	0	1	95.5				
	Diffused	3-DL	2243	1	0	1	65.8	2334	1	0	1	68.4	2433	1	0	1	71.3			
		5W-DL	2280	1	0	1	66.9	2372	1	0	1	69.6	2473	1	0	1	72.5			
	36	325	4500	None	1	4147	1	0	1	110	4313	1	0	1	114	4496	1	0	1	118.9
					2	3917	1	0	1	104	4074	1	0	1	108	4247	1	0	1	112.3
					3	3781	1	0	1	100	3933	1	0	1	104	4100	1	0	1	108.4
					4W	3813	1	0	1	101	3967	1	0	2	105	4135	1	0	2	109.3
					1-HS	2566	0	0	1	68	2669	0	0	1	71	2782	0	0	1	73.6
					2-HS	2232	0	0	1	59	2322	0	0	1	61	2421	0	0	1	64.0
					3-HS	2158	0	0	1	57	2245	0	0	1	59	2340	0	0	1	61.9
					4W-HS	2226	0	0	1	59	2315	0	0	1	61	2414	0	0	1	63.8
					5Q	4158	2	0	1	110	4326	2	0	1	114	4509	2	0	1	119.2
				5W	3844	2	0	1	102	3998	2	0	1	106	4168	2	0	1	110.2	
				Clear	1-CL	3532	1	0	1	93.4	3674	1	0	1	97.1	3829	1	0	1	101.3
					2-CL	3336	1	0	1	88.2	3470	1	0	1	91.7	3617	1	0	1	95.6
					3-CL	3220	1	0	1	85.2	3350	1	0	1	88.6	3492	1	0	1	92.3
4W-CL					3248	1	0	1	85.9	3379	1	0	1	89.3	3522	1	0	1	93.1	
1-CL-HS					2185	0	0	1	57.8	2273	0	0	1	60.1	2369	0	0	1	62.6	
2-CL-HS					1901	0	0	1	50.3	1978	0	0	1	52.3	2062	0	0	1	54.5	
3-CL-HS					1838	0	0	1	48.6	1912	0	0	1	50.6	1993	0	0	1	52.7	
4W-CL-HS					1896	0	0	1	50.1	1972	0	0	1	52.1	2056	0	0	1	54.4	
5Q-CL		3542	2		0	1	93.6	3684	2	0	1	97.4	3840	2	0	1	101.5			
5W-CL		3274	2	0	1	86.6	3405	2	0	1	90.0	3550	2	0	1	93.9				
Diffused		3-DL	2459	1	0	1	65.0	2558	1	0	1	67.7	2666	1	0	1	70.7			
		5W-DL	2469	1	0	1	65.3	2568	1	0	1	67.9	2677	1	0	1	70.9			



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The table below shows the delivered lumens for the various lumen outputs and beam distributions. Use this chart in connection with the lumen factor (LF) capability to deliver any output required.

LED #	Drive Current	Lumen Package	Lens	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI							
					Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	
36	510	6500	None	1	6081	1	0	1	104.1	6326	1	0	1	108	6594	1	0	1	113	
				2	5744	1	0	1	98.3	5975	1	0	1	102	6228	1	0	1	107	
				3	5545	1	0	2	94.9	5768	1	0	2	99	6013	1	0	2	103	
				4W	5593	1	0	2	95.7	5818	1	0	2	100	6064	1	0	2	104	
				1-HS	3763	0	0	1	64.4	3914	0	0	1	67	4080	0	0	1	70	
				2-HS	3274	0	0	1	56.1	3406	0	0	1	58	3550	0	0	1	61	
				3-HS	3165	0	0	1	54.2	3292	0	0	1	56	3432	0	0	1	59	
				4W-HS	3265	0	0	1	55.9	3396	0	0	1	58	3540	0	0	1	61	
				5Q	6099	2	0	1	104.4	6344	2	0	1	109	6613	3	0	1	113	
			5W	5637	3	0	1	96.5	5864	3	0	1	100	6112	3	0	1	105		
			Clear	1-CL	5180	1	0	1	88.7	5388	1	0	1	92.2	5616	1	0	1	96.2	
				2-CL	4892	1	0	1	83.8	5089	1	0	1	87.1	5305	1	0	1	90.8	
				3-CL	4723	1	0	1	80.9	4913	1	0	1	84.1	5121	1	0	1	87.7	
				4W-CL	4763	1	0	2	81.6	4955	1	0	2	84.8	5165	1	0	2	88.4	
				1-CL-HS	3205	0	0	1	54.9	3334	0	0	1	57.1	3475	0	0	1	59.5	
				2-CL-HS	2788	0	0	1	47.7	2901	0	0	1	49.7	3024	0	0	1	51.8	
				3-CL-HS	2696	0	0	1	46.2	2804	0	0	1	48.0	2923	0	0	1	50.0	
				4W-CL-HS	2780	0	0	1	47.6	2892	0	0	1	49.5	3015	0	0	1	51.6	
	5Q-CL	5194		2	0	1	88.9	5403	2	0	1	92.5	5632	2	0	1	96.4			
	5W-CL	4801	3	0	1	82.2	4994	3	0	1	85.5	5206	3	0	1	89.1				
	Diffused	3-DL	3584	1	0	1	61.4	3728	1	0	1	63.8	3886	1	0	1	66.5			
		5W-DL	3615	2	0	1	61.9	3760	2	0	1	64.4	3919	2	0	1	67.1			
	36	525	700mA Microcore Equivalent	None	1	6235	1	0	1	103.6	6486	1	0	1	107.7	6761	1	0	1	112.3
					2	5889	1	0	1	97.8	6126	1	0	1	101.8	6386	1	0	1	106.1
					3	5686	1	0	2	94.4	5914	1	0	2	98.2	6165	1	0	2	102.4
					4W	5734	1	0	2	95.3	5965	1	0	2	99.1	6218	1	0	2	103.3
					1-HS	3858	0	0	1	64.1	4013	0	0	1	66.7	4183	0	0	1	69.5
					2-HS	3357	0	0	1	55.8	3492	0	0	1	58.0	3640	0	0	1	60.5
					3-HS	3245	0	0	1	53.9	3376	0	0	1	56.1	3519	0	0	1	58.5
					4W-HS	3347	0	0	1	55.6	3482	0	0	1	57.8	3629	1	0	1	60.3
					5Q	6253	2	0	1	103.9	6504	2	0	1	108.0	6780	3	0	1	112.6
				5W	5779	3	0	1	96.0	6012	3	0	1	99.9	6267	3	0	1	104.1	
				Clear	1-CL	5311	1	0	1	88.2	5524	1	0	1	91.8	5758	1	0	1	95.7
					2-CL	5016	1	0	1	83.3	5218	1	0	1	86.7	5439	1	0	1	90.3
					3-CL	4842	1	0	1	80.4	5037	1	0	2	83.7	5251	1	0	2	87.2
4W-CL					4884	1	0	2	81.1	5080	1	0	2	84.4	5296	1	0	2	88.0	
1-CL-HS					3286	0	0	1	54.6	3418	0	0	1	56.8	3563	0	0	1	59.2	
2-CL-HS					2859	0	0	1	47.5	2974	0	0	1	49.4	3100	0	0	1	51.5	
3-CL-HS					2764	0	0	1	45.9	2875	0	0	1	47.8	2997	0	0	1	49.8	
4W-CL-HS					2851	0	0	1	47.4	2965	0	0	1	49.3	3091	0	0	1	51.3	
5Q-CL		5326	2		0	1	88.5	5540	2	0	1	92.0	5775	2	0	1	95.9			
5W-CL		4922	3	0	1	81.8	5120	3	0	1	85.1	5337	3	0	1	88.7				
Diffused		3-DL	3675	1	0	1	61.0	3822	1	0	1	63.5	3984	1	0	1	66.2			
		5W-DL	3735	2	0	1	62.0	3885	2	0	1	64.5	4050	2	0	1	67.3			



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					Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)
36	615	7500	None	1	7118	1	0	1	101.3	7404	1	0	1	105.4	7718	1	0	1	109.9
				2	6723	1	0	1	95.7	6994	1	0	2	99.6	7290	1	0	2	103.8
				3	6491	1	0	2	92.4	6752	1	0	2	96.1	7038	1	0	2	100.2
				4W	6546	1	0	2	93.2	6809	1	0	2	96.9	7098	1	0	2	101.0
				1-HS	4404	0	0	1	62.7	4581	0	0	1	65.2	4775	0	0	1	68.0
				2-HS	3832	0	0	1	54.5	3986	0	0	1	56.7	4155	0	0	1	59.1
				3-HS	3705	0	0	1	52.7	3854	0	0	1	54.9	4017	0	0	1	57.2
				4W-HS	3821	1	0	1	54.4	3975	1	0	1	56.6	4143	1	0	1	59.0
				5Q	7138	3	0	1	101.6	7425	3	0	1	105.7	7740	3	0	1	110.2
				5W	6598	3	0	1	93.9	6863	3	0	1	97.7	7154	3	0	1	101.8
			Clear	1-CL	6063	1	0	1	86.3	6306	1	0	1	89.8	6574	1	0	1	93.6
				2-CL	5726	1	0	1	81.5	5956	1	0	1	84.8	6209	1	0	1	88.4
				3-CL	5528	1	0	1	78.7	5750	1	0	1	81.9	5994	1	0	2	85.3
				4W-CL	5575	1	0	2	79.4	5800	1	0	2	82.6	6045	1	0	2	86.1
				1-CL-HS	3751	0	0	1	53.4	3902	0	0	1	55.5	4067	0	0	1	57.9
				2-CL-HS	3264	0	0	1	46.5	3395	0	0	1	48.3	3539	0	0	1	50.4
				3-CL-HS	3155	0	0	1	44.9	3282	0	0	1	46.7	3421	0	0	1	48.7
				4W-CL-HS	3254	0	0	1	46.3	3385	0	0	1	48.2	3529	0	0	1	50.2
				5Q-CL	6080	2	0	1	86.5	6324	2	0	1	90.0	6592	2	0	1	93.8
				5W-CL	5619	3	0	1	80.0	5845	3	0	1	83.2	6093	3	0	1	86.7
Diffused	3-DL	4195	1	0	1	59.7	4364	1	0	1	62.1	4549	1	0	1	64.7			
	5W-DL	4264	2	0	1	60.7	4436	2	0	1	63.1	4624	2	0	1	65.8			



Job Name:
133 ESSEX ST. DEVELOPMENT
Designer & Consultants: Swaney Application Design

Catalog Number:
PROV2-36L-295-3K7-3-***-STND_MNT-UNV
Notes:

Type:
A3
SLA24-58076



PROV2

ARCHITECTURAL AREA/SITE

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____

PHOTOMETRY

PROV2-36L-615-4K7-1

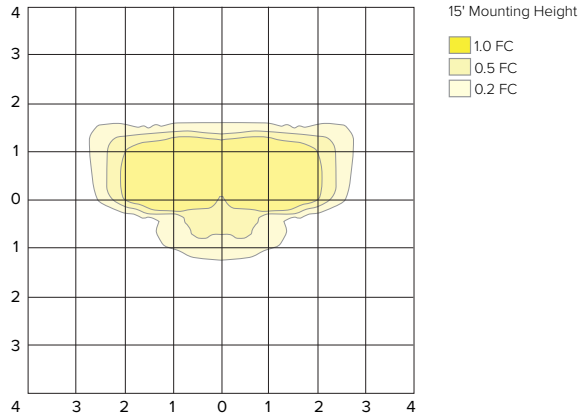
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	7405
Watts	70.25
Efficacy	105.4
IES Type	II
BUG Rating	B1-U0-G1
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	6403	86%
Downward House Side	1002	14%
Downward Total	7405	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	7405	100%

ISOFOOT CANDLE PLOT



PROV2-36L-615-4K7-2

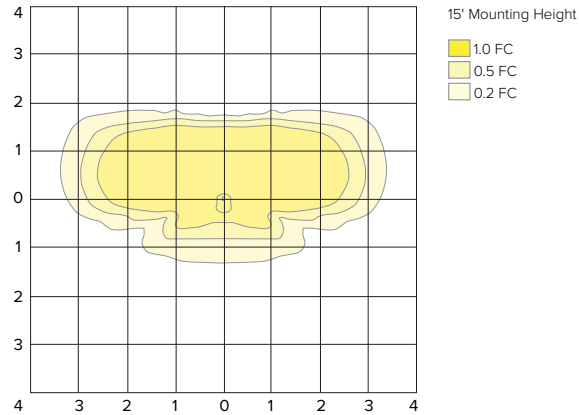
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	6994
Watts	70.25
Efficacy	99.6
IES Type	II
BUG Rating	B1-U0-G2
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	5665	81%
Downward House Side	1329	19%
Downward Total	6994	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	6994	100%

ISOFOOT CANDLE PLOT



PROV2-36L-615-4K7-3

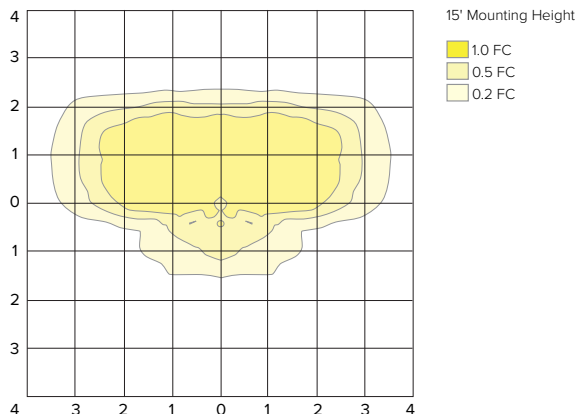
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	6752
Watts	70.25
Efficacy	96.1
IES Type	III
BUG Rating	B1-U0-G2
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	5552	82%
Downward House Side	1200	18%
Downward Total	6752	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	6752	100%

ISOFOOT CANDLE PLOT





Job Name:
133 ESSEX ST. DEVELOPMENT
Designer & Consultants: Swaney Application Design

Catalog Number:
PROV2-36L-295-3K7-3-***-STND_MNT-UNV
Notes:

Type:
A3
SLA24-58076



PROV2

ARCHITECTURAL AREA/SITE

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____

PHOTOMETRY

PROV2-36L-615-4K7-4W

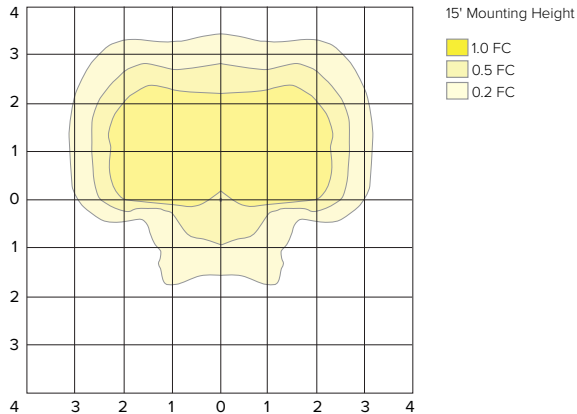
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	6809
Watts	70.25
Efficacy	96.9
IES Type	IV Wide
BUG Rating	B1-U0-G2
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	5802	85%
Downward House Side	1007	15%
Downward Total	6809	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	6809	100%

ISOFOOT CANDLE PLOT



PROV2-36L-615-4K7-5Q

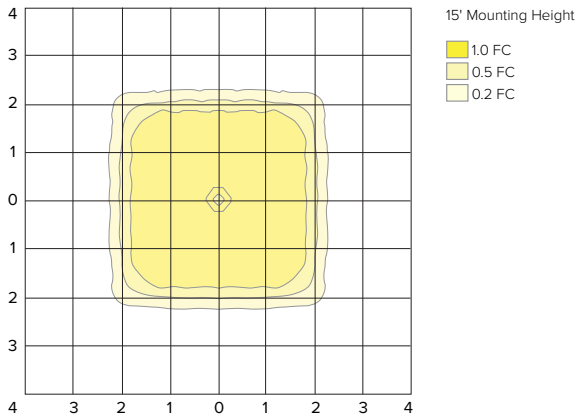
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	7425
Watts	70.25
Efficacy	105.7
IES Type	VS
BUG Rating	B3-U0-G1
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	3713	50%
Downward House Side	3713	50%
Downward Total	7425	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	7425	100%

ISOFOOT CANDLE PLOT



PROV2-36L-615-4K7-5W

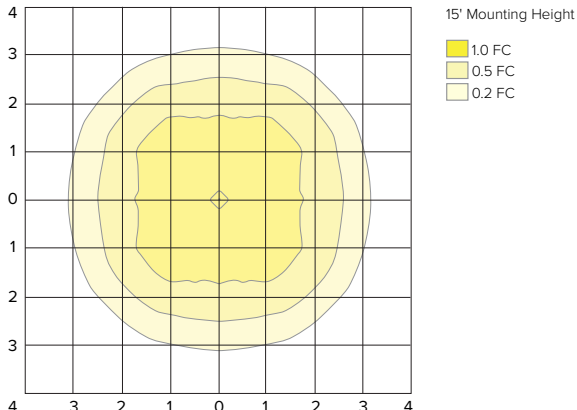
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	6863
Watts	70.25
Efficacy	97.7
IES Type	VS
BUG Rating	B3-U0-G1
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	3432	50%
Downward House Side	3432	50%
Downward Total	6863	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	6863	100%

ISOFOOT CANDLE PLOT





Job Name:
133 ESSEX ST. DEVELOPMENT
Designer & Consultants: Swaney Application Design

Catalog Number:
PROV2-36L-295-3K7-3-***-STND_MNT-UNV
Notes:

Type:
A3
SLA24-58076



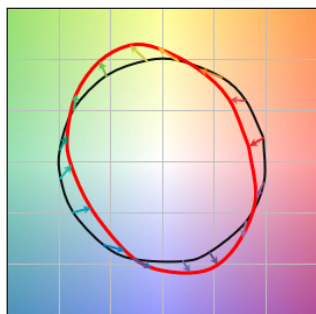
PROV2

ARCHITECTURAL AREA/SITE

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____

TM-30 DATA

COLOR VECTOR GRAPHIC

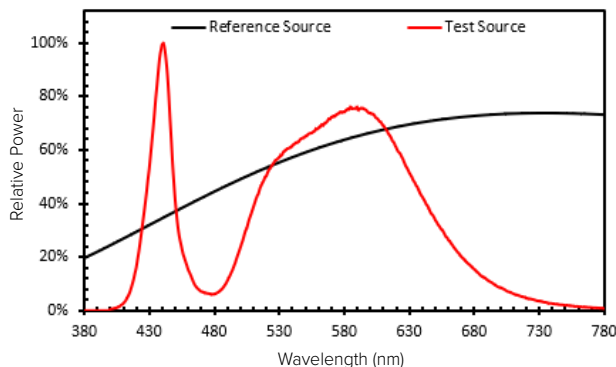


— Reference Illuminant — Test Source

TEST SOURCE

MBM TEST RESULTS	
CCT (K)	3947
CIE Ra	72
Duv	0.0004
x	0.3831
y	0.3793
Rf	68
Rg	99

SPECTRAL POWER DISTRIBUTION COMPARISON



ELECTRICAL DATA

Light Engine	System Current	System Watts	Electrical				Min. Power Factor	Max THD (%)	Dimming Range	Dimming					
			Line Voltage		Amps AC					Source current out of 0-10V		Absolute voltage range on 0-10V (+)			
			VAC	HZ	120	208				240	277	Min	Max	Min	Max
36	295 mA	34.1	120-277	50/60	0.28	0.16	0.14	0.12	>0.9	20	10% to 100%	0mA	1mA	0V	10V
	325 mA	37.8			0.32	0.18	0.16	0.14							
	510 mA	58.4			0.49	0.28	0.24	0.21							
	525 mA	60.2			0.50	0.29	0.25	0.22							
	615 mA	70.3			0.59	0.34	0.29	0.25							

TM-21 LIFETIME CALCULATION - PROJECTED LUMEN MAINTENANCE (25°C / 77°F)						
HOURS	0	25,000	36,000	50,000	100,000	REPORTED L70
Projected Lumen Maintenance	100%	98.0%	96.9%	95.4%	90.5%	> 60,000

AMBER MULTIPLIER	
CCT	MULTIPLIER
5000K	1
AM	0.1727

2700K MULTIPLIER	
CCT	MULTIPLIER
5000K	1
2700K	0.897

LENS OPTION MULTIPLIER	
CLEAR LENS	DIFFUSED LENS
0.8517	0.6462



Job Name:
133 ESSEX ST. DEVELOPMENT
Designer & Consultants: Swaney Application Design

Catalog Number:
RSA-B-CEAK-S12-40A-OT

Type:

Notes:

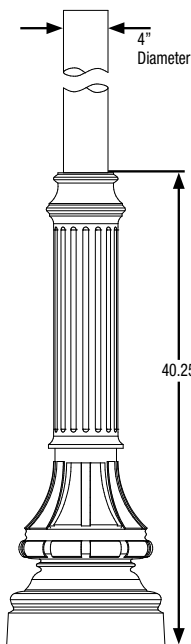
SLA24-58076



RSA-B-CEAK Series Poles

ROUND STRAIGHT ALUMINUM

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____



APPLICATIONS

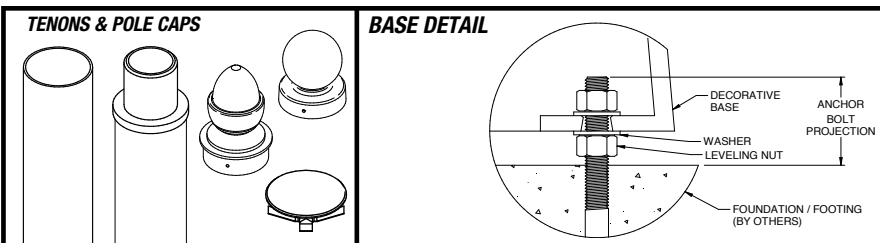
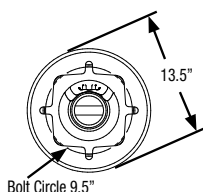
- Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location

CONSTRUCTION

- **SHAFT:** One-piece straight aluminum with fluted or smooth cross section; Extruded shafts of 6061-T6 aluminum in 1/8", 3/16", or 1/4" thickness. Decorative base of 356 cast aluminum.
- **POLE CAP OR FINALS:** Cap or decorative finials available for side mounted luminaires. Open top or tenons provided for post top mounted luminaires.
- **HAND HOLE:** Hand hole provided in cast base; Mounting provisions for grounding lug located behind cover
- **ANCHOR BOLTS:** Four galvanized anchor bolts provided per pole with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling

FINISH

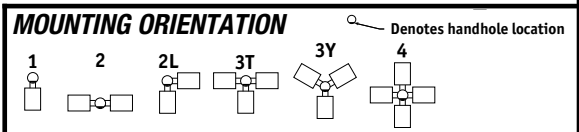
- Durable thermoset polyester powder coat paint finish with nominal 3.0 mil thickness
- Powder paint finish coat available in twelve standard colors; Custom colors available; RAL number preferable.



ORDERING EXAMPLE:

RSA-B-CEAK - **S/F** - **16** - **40** - **A/B/C** - **2L** - **B3** - **Specify Stnd. finish** - **VM2**

SERIES	STYLE	HEIGHT	SHAFT	THICKNESS	MOUNTING	FINISH	OPTIONS
RSA-B-CEAK Round Straight Aluminum Pole Beacon	S Smooth F Fluted	Reference page 2 Ordering matrix 12	Reference page 2 Ordering matrix 40	Reference page 2 Ordering matrix	1 Single arm mount 2 Two fixtures at 180° 2L Two fixtures at 90° 3T Three fixtures at 90° 3Y Three at 120° 4 Four fixtures at 90° OT Open top (includes pole cap)	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured Color Option CC Custom Color	GFI 20 Amp GFCI Receptacle and Cover EHH Extra Handhole C05 .5" Coupling C07 .75" Coupling C20 2" Coupling VM2 2nd mode vibration damper LAB Less Anchor Bolts



ACCESSORIES- Order Separately

Catalog Number	Description
VM2SXX	2nd mode vibration damper

DRILL PATTERN

- B1** Cruiser, "AM" arm
- B3** 2 bolt (2-1/2" spacing), Viper "A" arm
- S2** 2 bolt (3-1/2" spacing), Viper "AD" arm

1 Specify option location using logic found on page 2 (Option Orientation)



Job Name:
133 ESSEX ST. DEVELOPMENT
Designer & Consultants: Swaney Application Design

Catalog Number:
RSA-B-CEAK-S12-40A-OT

Type:

Notes:

SLA24-58076



RSA-B-CEAK Series Poles
ROUND STRAIGHT ALUMINUM

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____

ORDERING INFORMATION Cont.

Catalog Number	Height		Nominal Shaft Dimensions	Wall Thickness	Bolt Circle (suggested)	Bolt Square	Base Plate Size	Anchor Bolt Size	Bolt Projection	Pole weight (lbs)
	Feet	Meters								
RSA-B-CEAK-S-10-40-A	10	3.0	4" Round	0.125"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	63
RSA-B-CEAK-S-12-40-A	12	3.7	4" Round	0.125"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	66
RSA-B-CEAK-S-14-40-A	14	4.3	4" Round	0.125"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	70
RSA-B-CEAK-S-16-40-A	16	4.9	4" Round	0.125"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	74
RSA-B-CEAK-S-18-40-A	18	5.5	4" Round	0.125"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	77
RSA-B-CEAK-S-20-40-A	20	6.1	4" Round	0.125"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	81
RSA-B-CEAK-S-10-40-B	10	3.0	4" Round	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	70
RSA-B-CEAK-S-12-40-B	12	3.7	4" Round	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	75
RSA-B-CEAK-S-14-40-B	14	4.3	4" Round	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	81
RSA-B-CEAK-S-16-40-B	16	4.9	4" Round	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	86
RSA-B-CEAK-S-18-40-B	18	5.5	4" Round	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	91
RSA-B-CEAK-S-20-40-B	20	6.1	4" Round	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	97
RSA-B-CEAK-S-22-40-B	22	6.7	4" Round	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	102
RSA-B-CEAK-S-24-40-B	24	7.3	4" Round	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	NR
RSA-B-CEAK-S-10-40-C	10	3.0	4" Round	0.25"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	77
RSA-B-CEAK-S-12-40-C	12	3.7	4" Round	0.25"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	84
RSA-B-CEAK-S-14-40-C	14	4.3	4" Round	0.25"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	91
RSA-B-CEAK-S-16-40-C	16	4.9	4" Round	0.25"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	98
RSA-B-CEAK-S-18-40-C	18	5.5	4" Round	0.25"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	105
RSA-B-CEAK-S-20-40-C	20	6.1	4" Round	0.25"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	112
RSA-B-CEAK-S-22-40-C	22	6.7	4" Round	0.25"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	119
RSA-B-CEAK-S-24-40-C	24	7.3	4" Round	0.25"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	126
RSA-B-CEAK-F-10-40-B	10	3.0	4" Fluted	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	72
RSA-B-CEAK-F-12-40-B	12	3.7	4" Fluted	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	78
RSA-B-CEAK-F-14-40-B	14	4.3	4" Fluted	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	83
RSA-B-CEAK-F-16-40-B	16	4.9	4" Fluted	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	89
RSA-B-CEAK-F-18-40-B	18	5.5	4" Fluted	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	95
RSA-B-CEAK-F-20-40-B	20	6.1	4" Fluted	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	101
RSA-B-CEAK-F-22-40-B	22	6.7	4" Fluted	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	106
RSA-B-CEAK-F-24-40-B	24	7.3	4" Fluted	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	112

NOTE: Factory supplied template must be used when setting anchor bolts. Current will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template and anchor bolts.

<p>EHH - EXTRA HANDHOLE</p> <p>Provision for Grounding</p>	<p>C05 - C07 - C20 - COUPLING</p> <p>2" - 11.5 NPSC Threads 3/4" - 14 NPSC Threads 1/2" - 14 NPSC Threads</p>	<p>VM2 - VIBRATION DAMPER 2ND MODE</p> <p>Factory installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.</p>	<p>GFI - 20 AMP GFCI RECEPTACLE & COVER</p> <p>Round aluminum pole Standard hand hole frame Adapter plate Gasket 20 AMP GFCI Wet Locations In-use Cover</p>
<p>OPTION ORIENTATION</p> <p>Follow the logic below when ordering location specific options. For each option, include its orientation (in degrees) and its height (in feet). Example: Option C07 should be ordered as: RSA-CEAK-F16-40B-TN3-DBT-C05-0-15 (.5" coupling on the handhole/arm side of pole, 15 feet up from the pole base) 1' spacing required between option. Consult factory for other configurations.</p>		<p>VM2SXX - VIBRATION DAMPER 2ND MODE</p> <p>Field installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.</p> <p>VM2S08 - 8' VM2S12 - 12' VM2S16 - 16' VM2S20 - 20' VM2S24 - 24'</p>	

For more information about pole vibration and vibration dampers, please consult Pole Vibration Application Guide. Due to our continued efforts to improve our products, product specifications are subject to change without notice.



Job Name:
133 ESSEX ST. DEVELOPMENT
Designer & Consultants: Swaney Application Design

Catalog Number:
RSA-B-CEAK-S12-40A-OT

Type:

Notes:

SLA24-58076

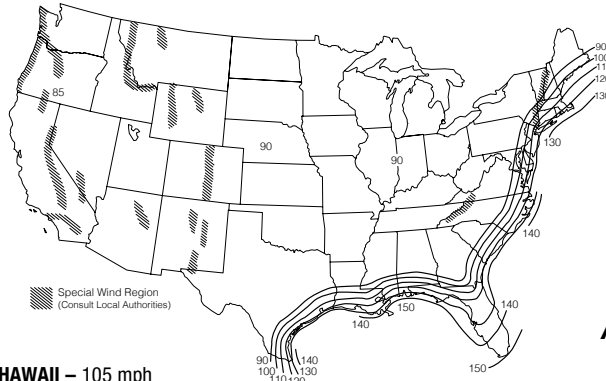


RSA-B-CEAK Series Poles

ROUND STRAIGHT ALUMINUM

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____

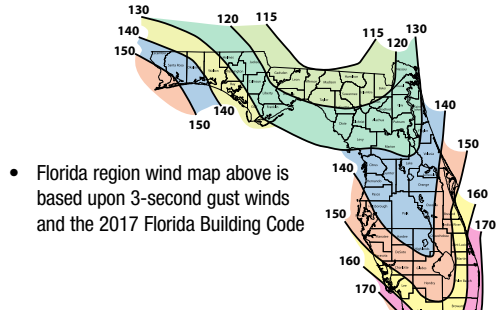
ASCE7-05 WIND MAP



HAWAII – 105 mph
PUERTO RICO – 145 mph

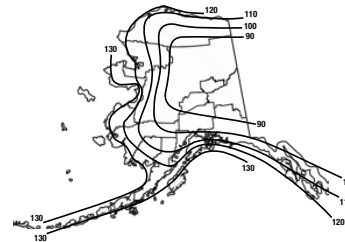
*PRINTED WITH PERMISSION FROM ASCE

FLORIDA REGION WIND MAP



• Florida region wind map above is based upon 3-second gust winds and the 2017 Florida Building Code

ALASKA REGION WIND MAP



ASCE 7-05 wind map EPA Load Rating - 3 second gust wind speeds										
Catalog Number	85	90	100	105	110	120	130	140	145	150
RSA-B-CEAK-S-10-40-A	14.6	13.1	10.6	9.6	8.7	7.2	6.1	5.3	4.9	4.6
RSA-B-CEAK-S-12-40-A	10.5	9.4	7.5	6.7	6.0	4.9	4.1	3.5	3.3	3.0
RSA-B-CEAK-S-14-40-A	7.9	6.9	5.4	4.8	4.2	3.4	2.8	2.3	2.2	2.0
RSA-B-CEAK-S-16-40-A	6.0	5.2	3.9	3.4	2.9	2.2	1.8	1.4	1.3	1.2
RSA-B-CEAK-S-18-40-A	4.4	3.8	2.7	2.2	1.8	1.2	0.9	0.7	0.6	0.5
RSA-B-CEAK-S-20-40-A	3.2	2.6	1.6	1.3	0.9	NR	NR	NR	NR	NR
RSA-B-CEAK-S-10-40-B	21.4	19.2	15.7	14.2	12.9	10.8	9.3	8.0	7.4	6.9
RSA-B-CEAK-S-12-40-B	15.8	14.1	11.4	10.2	9.3	7.7	6.5	5.6	5.2	4.9
RSA-B-CEAK-S-14-40-B	12.1	10.7	8.5	7.6	6.8	5.6	4.7	4.0	3.7	3.5
RSA-B-CEAK-S-16-40-B	9.4	8.3	6.5	5.7	5.1	4.0	3.4	2.8	2.6	2.4
RSA-B-CEAK-S-18-40-B	7.3	6.4	4.9	4.2	3.7	2.8	2.3	1.9	1.7	1.6
RSA-B-CEAK-S-20-40-B	5.7	4.8	3.5	3.0	2.5	1.8	1.4	1.1	1.0	0.9
RSA-B-CEAK-S-22-40-B	4.3	3.6	2.4	1.9	1.5	0.9	0.6	NR	NR	NR
RSA-B-CEAK-S-24-40-B	3.2	2.5	1.5	1.1	0.7	NR	NR	NR	NR	NR
RSA-B-CEAK-S-10-40-C	25.0	24.7	20.2	18.3	16.7	14.1	12.0	10.4	9.7	9.1
RSA-B-CEAK-S-12-40-C	20.4	18.3	14.8	13.4	12.2	10.2	8.7	7.5	6.9	6.5
RSA-B-CEAK-S-14-40-C	15.8	14.1	11.3	10.2	9.2	7.6	6.4	5.5	5.1	4.8
RSA-B-CEAK-S-16-40-C	12.5	11.1	8.8	7.9	7.0	5.7	4.8	4.1	3.8	3.5
RSA-B-CEAK-S-18-40-C	9.9	8.8	6.8	6.0	5.3	4.2	3.5	2.9	2.7	2.5
RSA-B-CEAK-S-20-40-C	7.9	6.8	5.2	4.5	3.9	3.0	2.4	2.0	1.8	1.6
RSA-B-CEAK-S-22-40-C	6.2	5.3	3.9	3.3	2.7	2.0	1.5	1.2	1.1	0.9
RSA-B-CEAK-S-24-40-C	4.8	4.0	2.8	2.2	1.8	1.1	0.8	0.5	NR	NR
RSA-B-CEAK-F-10-40-B	21.3	19.1	15.6	14.1	12.8	10.7	9.0	7.6	7.1	6.5
RSA-B-CEAK-F-12-40-B	15.6	14.0	11.2	10.1	9.1	7.5	6.2	5.2	4.7	4.3
RSA-B-CEAK-F-14-40-B	11.9	10.6	8.4	7.5	6.7	5.4	4.3	3.5	3.1	2.8
RSA-B-CEAK-F-16-40-B	9.3	8.1	6.3	5.6	4.9	3.8	2.9	2.2	1.9	1.6
RSA-B-CEAK-F-18-40-B	7.1	6.2	4.6	4.0	3.4	2.5	1.8	1.1	0.9	0.6
RSA-B-CEAK-F-20-40-B	5.4	4.6	3.3	2.7	2.3	1.4	0.8	NR	NR	NR
RSA-B-CEAK-F-22-40-B	4.0	3.3	2.2	1.7	1.3	0.5	NR	NR	NR	NR
RSA-B-CEAK-F-24-40-B	2.9	2.3	1.2	0.8	NR	NR	NR	NR	NR	NR

Florida Building Code 2017 EPA Load Rating - 3 second gust wind speeds									
Catalog Number	115	120	130	140	150	160	170	180	
RSA-B-CEAK-S-10-40-A	11.0	10.1	8.6	7.3	6.2	5.4	5.2	4.5	
RSA-B-CEAK-S-12-40-A	7.8	7.1	5.9	4.9	4.1	3.4	3.5	3.1	
RSA-B-CEAK-S-14-40-A	5.6	5.0	4.1	3.3	2.6	2.1	1.9	1.7	
RSA-B-CEAK-S-16-40-A	4.0	3.5	2.7	2.0	1.5	1.0	0.8	0.5	
RSA-B-CEAK-S-18-40-A	2.7	2.3	1.6	1.0	0.5	NR	NR	NR	
RSA-B-CEAK-S-20-40-A	1.6	1.2	0.6	NR	NR	NR	NR	NR	
RSA-B-CEAK-S-10-40-B	16.4	15.1	12.8	11.0	9.5	8.3	7.7	6.9	
RSA-B-CEAK-S-12-40-B	11.9	10.9	9.1	7.8	6.6	5.6	5.5	4.8	
RSA-B-CEAK-S-14-40-B	8.9	8.1	6.7	5.6	4.6	3.9	3.7	3.5	
RSA-B-CEAK-S-16-40-B	6.7	6.0	4.9	3.9	3.1	2.5	2.3	2.1	
RSA-B-CEAK-S-18-40-B	4.9	4.3	3.4	2.6	1.9	1.4	1.2	1.0	
RSA-B-CEAK-S-20-40-B	3.5	3.0	2.2	1.5	0.9	0.5	NR	NR	
RSA-B-CEAK-S-22-40-B	2.4	2.0	1.2	0.6	NR	NR	NR	NR	
RSA-B-CEAK-S-24-40-B	1.4	1.0	NR	NR	NR	NR	NR	NR	
RSA-B-CEAK-S-10-40-C	21.1	19.5	16.6	14.3	12.4	10.8	10.0	8.9	
RSA-B-CEAK-S-12-40-C	15.5	14.2	12.0	10.3	8.8	7.6	7.3	6.4	
RSA-B-CEAK-S-14-40-C	11.8	10.8	9.0	7.6	6.4	5.4	5.2	4.8	
RSA-B-CEAK-S-16-40-C	9.1	8.2	6.8	5.6	4.6	3.8	3.6	3.4	
RSA-B-CEAK-S-18-40-C	6.9	6.2	5.0	4.0	3.2	2.5	2.3	2.0	
RSA-B-CEAK-S-20-40-C	5.2	4.6	3.6	2.7	2.0	1.4	1.2	1.0	
RSA-B-CEAK-S-22-40-C	3.9	3.3	2.4	1.7	1.0	0.8	0.5	NR	
RSA-B-CEAK-S-24-40-C	2.7	2.2	1.4	0.7	0.2	NR	NR	NR	
RSA-B-CEAK-F-10-40-B	16.4	15.1	12.8	11.0	9.5	8.3	7.2	6.3	
RSA-B-CEAK-F-12-40-B	11.9	10.9	9.1	7.8	6.6	5.6	4.8	4.2	
RSA-B-CEAK-F-14-40-B	8.9	8.1	6.7	5.6	4.6	3.9	3.2	2.7	
RSA-B-CEAK-F-16-40-B	6.7	6.0	4.9	3.9	3.1	2.5	2.0	1.5	
RSA-B-CEAK-F-18-40-B	4.9	4.3	3.4	2.6	1.9	1.4	0.9	0.5	
RSA-B-CEAK-F-20-40-B	3.5	3.0	2.2	1.5	0.9	0.5	NR	NR	
RSA-B-CEAK-F-22-40-B	2.4	2.0	1.2	0.6	NR	NR	NR	NR	
RSA-B-CEAK-F-24-40-B	1.4	1.0	NR	NR	NR	NR	NR	NR	



Job Name:
133 ESSEX ST. DEVELOPMENT
Designer & Consultants: Swaney Application Design

Catalog Number:
RSA-B-CEAK-S12-40A-OT

Type:

Notes:

SLA24-58076



RSA-B-CEAK Series Poles

ROUND STRAIGHT ALUMINUM

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

NOTES

Wind-speed Website disclaimer:

Current has no connection to the linked website and makes no representations as to its accuracy. While the information presented on this third-party website provides a useful starting point for analyzing wind conditions, Current has not verified any of the information on this third party website and assumes no responsibility or liability for its accuracy. The material presented in the windspeed website should not be used or relied upon for any specific application without competent examination and verification of its accuracy, suitability and applicability by engineers or other licensed professionals. Current does not intend that the use of this information replace the sound judgment of such competent professionals, having experience and knowledge in the field of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the results of the windspeed report provided by this website. Users of the information from this third party website assume all liability arising from such use. Use of the output of these referenced websites do not imply approval by the governing building code bodies responsible for building code approval and interpretation for the building site described by latitude/longitude location in the windspeed report. <http://windspeed.atcouncil.org>

- Allowable EPA, to determine max pole loading weight, multiply allowable EPA by 30 lbs.
- The tables for allowable pole EPA are based on the ASCE 7-05 Wind Map or the Florida Region Wind Map for the 2010 Florida Building Code. The Wind Maps are intended only as a general guide and cannot be used in conjunction with other maps. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application
- Allowable pole EPA for jobsite wind conditions must be equal to or greater than the total EPA for fixtures, arms, and accessories to be assembled to the pole. Responsibility lies with the specifier for correct pole selection. Installation of poles without luminaires or attachment of any unauthorized accessories to poles is discouraged and shall void the manufacturer's warranty
- Wind speeds and listed EPAs are for ground mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide; Consult local and federal standards
- Wind Induced Vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings. Consult Pole Vibration Application Guide for environmental risk factors and design considerations.
- Extreme Wind Events like, Hurricanes, Typhoons, Cyclones, or Tornadoes may expose poles to flying debris, wind shear or other detrimental effects not included in wind velocity ratings

Due to our continued efforts to improve our products, product specifications are subject to change without notice.



Job Name:
133 ESSEX ST. DEVELOPMENT
Designer & Consultants: Swaney Application Design

Catalog Number:
PROV2-36L-295-3K7-5W-***-STND_
MNT-UNV
Notes:

Type:
S5
SLA24-58076



PROV2

ARCHITECTURAL AREA/SITE

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____

FEATURES

- Reliable, uniform, glare free illumination
- Types 1, 2, 3, 4W, 5Q, and 5W distributions
- Amber, 3000K, 4000K, 5000K CCT
- 0-10V dimming ready
- Integral Surge protection: 10k in parallel, 20k in series
- Upgrade Kits

PROVIDENCE®



Providence Medium



SPECIFICATIONS

CONSTRUCTION

- All housing components aluminum 360 alloy, sealed with continuous silicone rubber gaskets
- Standard configurations do not require a flat lens, optional lenses are tempered glass
- All internal and external hardware is stainless steel
- Finish: fade and abrasion resistant, electrostatically applied, thermally cured, triglycidyl isocyanurate (TGIC) polyester powdercoat
- Optical bezel finish to match the luminaire housing

LED/OPTICS

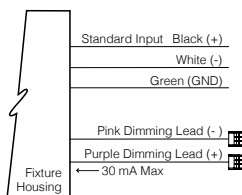
- Optical cartridge system consisting of a die cast heat sink, LED engine, TIR optics, gasket and bezel plate
- Optics are held in place without the use of adhesives
- Molded silicone gasket ensures a weather-proof seal around each individual LED.
- Features individual LED optical control based on high performance TIR optical designs
- House Side Shield is available on Standard and Clear Lens options except any Type 5 distribution. House Side Shield is not available for any distribution using a Diffused Lens

INSTALLATION

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury

ELECTRICAL

- Luminaires have UL recognized integral surge protection, and have a surge current rating of 10,000 Amps using the industry standard 8/20uSec wave and surge rating of 372J
- Drivers are UL recognized with an inrush current maximum of <20.0 Amps maximum at 230VAC
- 100%-1% dimming range. Fixture will be wired for low voltage 0-10V dimming control



- Driver and surge suppressor are mounted to a prewired tray with quick disconnects that may be removed from the gear compartment
- Surge protection: 10,000k in parallel, 20,000k in series

CONTROLS

- Egress adapter(s) will slip over a 4"/100mm DIA. pole with the luminaire or arm slipping over the adapter to add a total of 4.5"/114mm to the overall height. Adapter(s) are prewired, independently rotatable 359°, and have a cast access cover with an integral lens and lanyard

CONTROLS (CONTINUED)

- Egress adapter will require an auxiliary 120 volt supply for operation of an integral MR16 lamp in the event of emergency. The lamp may be aimed and locked into position with an adjustment range of 15°-45°. Adapter will have a socket that accepts miniature bi-pin MR16 lamps up to 50 watts, lamp by others
- Photocell adapter includes a 7-Pin internal twist lock receptacle. Photocell by others

CERTIFICATIONS

- ETL listed under UL 1598 and CSA C22.2 No. 250.0-08 for wet locations
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 5/29/2020

WARRANTY

- 5 year warranty

KEY DATA	
LUMEN RANGE	1,81–9,336
WATTAGE RANGE	31.52–71.6
EFFICACY RANGE (LPW)	44.9–118.9
INPUT CURRENT RANGE (mA)	295–615 mA
WEIGHT	29 lbs / 13.15 kg
EPA	1.33



Job Name:
133 ESSEX ST. DEVELOPMENT
Designer & Consultants: Swaney Application Design

Catalog Number:
PROV2-36L-295-3K7-5W-***-STND_MNT-UNV
Notes:

Type:
S5
SLA24-58076



PROV2

ARCHITECTURAL AREA/SITE

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____

ORDERING GUIDE

Example: PROV2-36L-325-3K7-4W-BL-SLA1-DF-HS-AD5-UNV

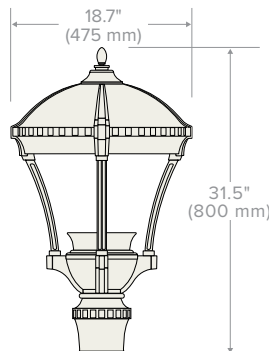
CATALOG #

HOUSING

PROV2		LED Quantity		Lumen output		CCT/CRI		Distribution		Finish	
PROV2	Providence Medium 2.0	36L	36 LED	295	450mA Microcore Equivalent	AMB	Amber-595nm Peak ¹	1	Type I	BLS	Black Gloss Smooth
				325	325mA, 4500 Lumens	3K7	3000K, 70 CRI	2	Type II	BLT	Black Matte Textured
				510	510mA, 6500 Lumens	4K7	4000K, 70 CRI	3	Type III	DBS	Dark Bronze Gloss Smooth
				525	700mA Microcore Equivalent	5K7	5000K, 70 CRI	4W	Type IV Wide	DBT	Dark Bronze Matte Textured
				615	615mA, 7500 Lumens	Contact factory for options listed below		5Q	Type V Square	GTT	Graphite Matte Textured
						27K8	2700K, 80 CRI	5W	Type V Wide	LGS	Light Grey Gloss Smooth
						80 or 90 CRI for standard color temperatures				LGT	Light Grey Matte Textured
										PSS	Platinum Silver Gloss Smooth
										VGT	Verde Green Matte Textured
										WHS	White Gloss Smooth
										WHT	White Matte Textured
										Color Option	
										CC ²	Custom Color

Mounting	Optional Lens	Options	Mounting Options	Voltage
Pole Mount	CL Clear Lens	HS House Side Shield ^{3,5}	AD5 Adaptor-5" OD Pole	UNV 120-277V
STND_MNT ⁶ Standard Mount	DL Diffused Lens ²	PFN Brass Colored Finish	PCA-C Photocontrol Adapter Contemporary	
PT23 2 3/8" tenon		SPK Cast Spikes	PCA-T Rotatable photocell housing. The housing slips over a 4"/100mm o.d. pole. a fixture slips over the 4"/100mm O.D. tenon. Includes an internal twist lock receptacle, and an access cover with integral lens and stainless steel tether. Adds 5"/125mm to the overall height of the pole/fixture assembly. Prewire don the load side and line side for easy installation. Photocell by others	
PT3 3" tenon		BPS Brass Colored Struts	EPA-C Egress Adapter Contemporary	
PT4 4" tenon		SF Single Fuse (120, 277)		
Arm Mount		DF Double Fuse (208, 240)		
SLA1 4" pole or tenon				
TRA5U-4 4" pole or tenon				
TRA6U-4 4" pole or tenon				
TRA8U-4 4" pole or tenon				
TRA55-4 4" pole or tenon				
TRA5U-5 5" pole or tenon				
TRA6U-5 5" pole or tenon				
TRA8U-5 5" pole or tenon				
TRA55-5 5" pole or tenon				
TRA56-5 5" pole or tenon				
Wall Mount				
WMA55 Wall Mount				
WMA56 Wall Mount				
Pier Mount				
PM1 Pier Mount 1				
PM2 Pier Mount 2				
PM3 Pier Mount 3				

DIMENSIONS



Notes:

- 1 Turtle Friendly
- 2 Diffused Lens is available only with T3 and T5W distribution
- 3 House side Shield is available only with T1, T2, T3 and T4W distributions
- 4 Consult factory for custom color, marine and corrosive finish options
- 5 Contact Factory for additional glare shield options
- 6 Slide over 4" OD Pole



Job Name:
133 ESSEX ST. DEVELOPMENT
Designer & Consultants: Swaney Application Design

Catalog Number:
PROV2-36L-295-3K7-5W-***-STND_MNT-UNV
Notes:

Type:
S5
SLA24-58076



PROV2

ARCHITECTURAL AREA/SITE

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____

DELIVERED LUMENS

The table below shows the delivered lumens for the various lumen outputs and beam distributions. Use this chart in connection with the lumen factor (LF) capability to deliver any output required.

LED #	Drive Current	Lumen Package	Lens	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI							
					Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	
						1	0	1			1	0	1			1	0	1		1
36	295	450mA Microcore Equivalent	None	1	3807	1	0	1	116.6	3960	1	0	1	116.1	4128	1	0	1	121.0	
				2	3596	1	0	1	105.4	3740	1	0	1	109.7	3899	1	0	1	114.3	
				3	3471	1	0	1	101.8	3611	1	0	1	105.9	3764	1	0	1	110.4	
				4W	3501	1	0	1	102.7	3642	1	0	1	106.8	3796	1	0	1	111.3	
				1-HS	2355	0	0	1	69.1	2450	0	0	1	71.8	2554	0	0	1	74.9	
				2-HS	2049	0	0	1	60.1	2132	0	0	1	62.5	2222	0	0	1	65.2	
				3-HS	1981	0	0	1	58.1	2061	0	0	1	60.4	2148	0	0	1	63.0	
				4W-HS	2044	0	0	1	59.9	2126	0	0	1	62.3	2216	0	0	1	65.0	
				5Q	3818	2	0	1	112.0	3971	2	0	1	116.5	4140	2	0	1	121.4	
			5W	3529	2	0	1	103.5	3670	2	0	1	107.6	3826	2	0	1	112.2		
			Clear	1-CL	3242	1	0	1	95.0	3373	1	0	1	98.8	3516	1	0	1	103.0	
				2-CL	3062	1	0	1	89.7	3186	1	0	1	93.3	3321	1	0	1	97.3	
				3-CL	2957	1	0	1	86.6	3075	1	0	1	90.1	3206	1	0	1	93.9	
				4W-CL	2982	1	0	1	87.4	3102	1	0	1	90.9	3233	1	0	1	94.7	
				1-CL-HS	2006	0	0	1	58.8	2087	0	0	1	61.1	2175	0	0	1	63.7	
				2-CL-HS	1746	0	0	1	51.1	1816	0	0	1	53.2	1893	0	0	1	55.5	
				3-CL-HS	1688	0	0	1	49.4	1755	0	0	1	51.4	1830	0	0	1	53.6	
				4W-CL-HS	1740	0	0	1	51.0	1810	0	0	1	53.0	1887	0	0	1	55.3	
	5Q-CL	3252		2	0	1	95.3	3382	2	0	1	99.1	3526	2	0	1	103.3			
	5W-CL	3005	2	0	1	88.1	3126	2	0	1	91.6	3259	2	0	1	95.5				
	Diffused	3-DL	2243	1	0	1	65.8	2334	1	0	1	68.4	2433	1	0	1	71.3			
		5W-DL	2280	1	0	1	66.9	2372	1	0	1	69.6	2473	1	0	1	72.5			
	36	325	4500	None	1	4147	1	0	1	110	4313	1	0	1	114	4496	1	0	1	118.9
					2	3917	1	0	1	104	4074	1	0	1	108	4247	1	0	1	112.3
					3	3781	1	0	1	100	3933	1	0	1	104	4100	1	0	1	108.4
					4W	3813	1	0	1	101	3967	1	0	2	105	4135	1	0	2	109.3
					1-HS	2566	0	0	1	68	2669	0	0	1	71	2782	0	0	1	73.6
					2-HS	2232	0	0	1	59	2322	0	0	1	61	2421	0	0	1	64.0
					3-HS	2158	0	0	1	57	2245	0	0	1	59	2340	0	0	1	61.9
					4W-HS	2226	0	0	1	59	2315	0	0	1	61	2414	0	0	1	63.8
					5Q	4158	2	0	1	110	4326	2	0	1	114	4509	2	0	1	119.2
				5W	3844	2	0	1	102	3998	2	0	1	106	4168	2	0	1	110.2	
				Clear	1-CL	3532	1	0	1	93.4	3674	1	0	1	97.1	3829	1	0	1	101.3
					2-CL	3336	1	0	1	88.2	3470	1	0	1	91.7	3617	1	0	1	95.6
					3-CL	3220	1	0	1	85.2	3350	1	0	1	88.6	3492	1	0	1	92.3
4W-CL					3248	1	0	1	85.9	3379	1	0	1	89.3	3522	1	0	1	93.1	
1-CL-HS					2185	0	0	1	57.8	2273	0	0	1	60.1	2369	0	0	1	62.6	
2-CL-HS					1901	0	0	1	50.3	1978	0	0	1	52.3	2062	0	0	1	54.5	
3-CL-HS					1838	0	0	1	48.6	1912	0	0	1	50.6	1993	0	0	1	52.7	
4W-CL-HS					1896	0	0	1	50.1	1972	0	0	1	52.1	2056	0	0	1	54.4	
5Q-CL		3542	2		0	1	93.6	3684	2	0	1	97.4	3840	2	0	1	101.5			
5W-CL		3274	2	0	1	86.6	3405	2	0	1	90.0	3550	2	0	1	93.9				
Diffused		3-DL	2459	1	0	1	65.0	2558	1	0	1	67.7	2666	1	0	1	70.7			
		5W-DL	2469	1	0	1	65.3	2568	1	0	1	67.9	2677	1	0	1	70.9			



Job Name:
133 ESSEX ST. DEVELOPMENT
Designer & Consultants: Swaney Application Design

Catalog Number:
PROV2-36L-295-3K7-5W-***-STND_
MNT-UNV
Notes:

Type:
S5
SLA24-58076



DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____

DELIVERED LUMENS (CONTINUED)

The table below shows the delivered lumens for the various lumen outputs and beam distributions. Use this chart in connection with the lumen factor (LF) capability to deliver any output required.

LED #	Drive Current	Lumen Package	Lens	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI						
					Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)
						1	0	1			1	0	1			1	0	1	
36	510	6500	None	1	6081	1	0	1	104.1	6326	1	0	1	108	6594	1	0	1	113
				2	5744	1	0	1	98.3	5975	1	0	1	102	6228	1	0	1	107
				3	5545	1	0	2	94.9	5768	1	0	2	99	6013	1	0	2	103
				4W	5593	1	0	2	95.7	5818	1	0	2	100	6064	1	0	2	104
				1-HS	3763	0	0	1	64.4	3914	0	0	1	67	4080	0	0	1	70
				2-HS	3274	0	0	1	56.1	3406	0	0	1	58	3550	0	0	1	61
				3-HS	3165	0	0	1	54.2	3292	0	0	1	56	3432	0	0	1	59
				4W-HS	3265	0	0	1	55.9	3396	0	0	1	58	3540	0	0	1	61
				5Q	6099	2	0	1	104.4	6344	2	0	1	109	6613	3	0	1	113
			5W	5637	3	0	1	96.5	5864	3	0	1	100	6112	3	0	1	105	
			Clear	1-CL	5180	1	0	1	88.7	5388	1	0	1	92.2	5616	1	0	1	96.2
				2-CL	4892	1	0	1	83.8	5089	1	0	1	87.1	5305	1	0	1	90.8
				3-CL	4723	1	0	1	80.9	4913	1	0	1	84.1	5121	1	0	1	87.7
				4W-CL	4763	1	0	2	81.6	4955	1	0	2	84.8	5165	1	0	2	88.4
				1-CL-HS	3205	0	0	1	54.9	3334	0	0	1	57.1	3475	0	0	1	59.5
				2-CL-HS	2788	0	0	1	47.7	2901	0	0	1	49.7	3024	0	0	1	51.8
				3-CL-HS	2696	0	0	1	46.2	2804	0	0	1	48.0	2923	0	0	1	50.0
				4W-CL-HS	2780	0	0	1	47.6	2892	0	0	1	49.5	3015	0	0	1	51.6
	5Q-CL	5194		2	0	1	88.9	5403	2	0	1	92.5	5632	2	0	1	96.4		
	5W-CL	4801	3	0	1	82.2	4994	3	0	1	85.5	5206	3	0	1	89.1			
	Diffused	3-DL	3584	1	0	1	61.4	3728	1	0	1	63.8	3886	1	0	1	66.5		
		5W-DL	3615	2	0	1	61.9	3760	2	0	1	64.4	3919	2	0	1	67.1		
		1	6235	1	0	1	103.6	6486	1	0	1	107.7	6761	1	0	1	112.3		
	525	700mA Microcore Equivalent	None	2	5889	1	0	1	97.8	6126	1	0	1	101.8	6386	1	0	1	106.1
				3	5686	1	0	2	94.4	5914	1	0	2	98.2	6165	1	0	2	102.4
				4W	5734	1	0	2	95.3	5965	1	0	2	99.1	6218	1	0	2	103.3
				1-HS	3858	0	0	1	64.1	4013	0	0	1	66.7	4183	0	0	1	69.5
				2-HS	3357	0	0	1	55.8	3492	0	0	1	58.0	3640	0	0	1	60.5
				3-HS	3245	0	0	1	53.9	3376	0	0	1	56.1	3519	0	0	1	58.5
				4W-HS	3347	0	0	1	55.6	3482	0	0	1	57.8	3629	1	0	1	60.3
				5Q	6253	2	0	1	103.9	6504	2	0	1	108.0	6780	3	0	1	112.6
				5W	5779	3	0	1	96.0	6012	3	0	1	99.9	6267	3	0	1	104.1
			Clear	1-CL	5311	1	0	1	88.2	5524	1	0	1	91.8	5758	1	0	1	95.7
				2-CL	5016	1	0	1	83.3	5218	1	0	1	86.7	5439	1	0	1	90.3
				3-CL	4842	1	0	1	80.4	5037	1	0	2	83.7	5251	1	0	2	87.2
				4W-CL	4884	1	0	2	81.1	5080	1	0	2	84.4	5296	1	0	2	88.0
1-CL-HS				3286	0	0	1	54.6	3418	0	0	1	56.8	3563	0	0	1	59.2	
2-CL-HS				2859	0	0	1	47.5	2974	0	0	1	49.4	3100	0	0	1	51.5	
3-CL-HS				2764	0	0	1	45.9	2875	0	0	1	47.8	2997	0	0	1	49.8	
4W-CL-HS				2851	0	0	1	47.4	2965	0	0	1	49.3	3091	0	0	1	51.3	
5Q-CL				5326	2	0	1	88.5	5540	2	0	1	92.0	5775	2	0	1	95.9	
5W-CL	4922	3	0	1	81.8	5120	3	0	1	85.1	5337	3	0	1	88.7				
Diffused	3-DL	3675	1	0	1	61.0	3822	1	0	1	63.5	3984	1	0	1	66.2			
	5W-DL	3735	2	0	1	62.0	3885	2	0	1	64.5	4050	2	0	1	67.3			



Job Name:
133 ESSEX ST. DEVELOPMENT
Designer & Consultants: Swaney Application Design

Catalog Number:
PROV2-36L-295-3K7-5W-***-STND_
MNT-UNV
Notes:

Type:
S5
SLA24-58076



PROV2

ARCHITECTURAL AREA/SITE

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____

DELIVERED LUMENS (CONTINUED)

The table below shows the delivered lumens for the various lumen outputs and beam distributions. Use this chart in connection with the lumen factor (LF) capability to deliver any output required.

LED #	Drive Current	Lumen Package	Lens	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI							
					Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	
36	615	7500	None	1	7118	1	0	1	101.3	7404	1	0	1	105.4	7718	1	0	1	109.9	
				2	6723	1	0	1	95.7	6994	1	0	2	99.6	7290	1	0	2	103.8	
				3	6491	1	0	2	92.4	6752	1	0	2	96.1	7038	1	0	2	100.2	
				4W	6546	1	0	2	93.2	6809	1	0	2	96.9	7098	1	0	2	101.0	
				1-HS	4404	0	0	1	62.7	4581	0	0	1	65.2	4775	0	0	1	68.0	
				2-HS	3832	0	0	1	54.5	3986	0	0	1	56.7	4155	0	0	1	59.1	
				3-HS	3705	0	0	1	52.7	3854	0	0	1	54.9	4017	0	0	1	57.2	
				4W-HS	3821	1	0	1	54.4	3975	1	0	1	56.6	4143	1	0	1	59.0	
				5Q	7138	3	0	1	101.6	7425	3	0	1	105.7	7740	3	0	1	110.2	
				5W	6598	3	0	1	93.9	6863	3	0	1	97.7	7154	3	0	1	101.8	
				Clear	1-CL	6063	1	0	1	86.3	6306	1	0	1	89.8	6574	1	0	1	93.6
					2-CL	5726	1	0	1	81.5	5956	1	0	1	84.8	6209	1	0	1	88.4
			3-CL		5528	1	0	1	78.7	5750	1	0	1	81.9	5994	1	0	2	85.3	
			4W-CL		5575	1	0	2	79.4	5800	1	0	2	82.6	6045	1	0	2	86.1	
			1-CL-HS		3751	0	0	1	53.4	3902	0	0	1	55.5	4067	0	0	1	57.9	
			2-CL-HS		3264	0	0	1	46.5	3395	0	0	1	48.3	3539	0	0	1	50.4	
			3-CL-HS		3155	0	0	1	44.9	3282	0	0	1	46.7	3421	0	0	1	48.7	
			4W-CL-HS		3254	0	0	1	46.3	3385	0	0	1	48.2	3529	0	0	1	50.2	
			5Q-CL		6080	2	0	1	86.5	6324	2	0	1	90.0	6592	2	0	1	93.8	
			Diffused	5W-CL	5619	3	0	1	80.0	5845	3	0	1	83.2	6093	3	0	1	86.7	
				3-DL	4195	1	0	1	59.7	4364	1	0	1	62.1	4549	1	0	1	64.7	
				5W-DL	4264	2	0	1	60.7	4436	2	0	1	63.1	4624	2	0	1	65.8	



Job Name:
133 ESSEX ST. DEVELOPMENT
Designer & Consultants: Swaney Application Design

Catalog Number:
PROV2-36L-295-3K7-5W-***-STND_MNT-UNV
Notes:

Type:
S5
SLA24-58076



PROV2

ARCHITECTURAL AREA/SITE

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____

PHOTOMETRY

PROV2-36L-615-4K7-1

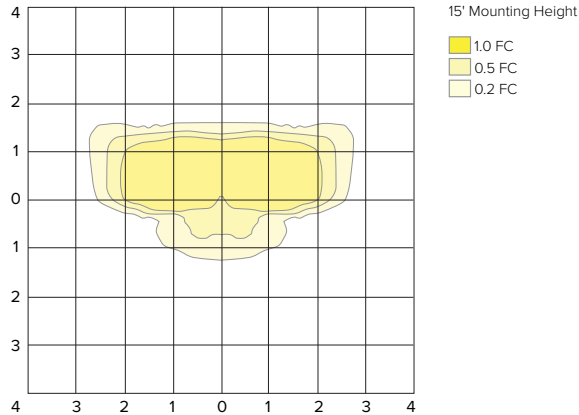
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	7405
Watts	70.25
Efficacy	105.4
IES Type	II
BUG Rating	B1-U0-G1
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	6403	86%
Downward House Side	1002	14%
Downward Total	7405	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	7405	100%

ISOFOOT CANDLE PLOT



PROV2-36L-615-4K7-2

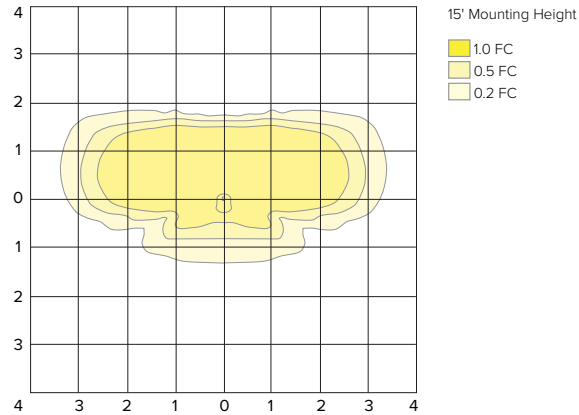
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	6994
Watts	70.25
Efficacy	99.6
IES Type	II
BUG Rating	B1-U0-G2
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	5665	81%
Downward House Side	1329	19%
Downward Total	6994	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	6994	100%

ISOFOOT CANDLE PLOT



PROV2-36L-615-4K7-3

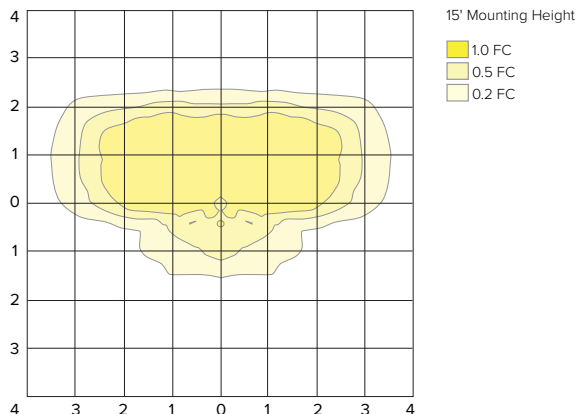
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	6752
Watts	70.25
Efficacy	96.1
IES Type	III
BUG Rating	B1-U0-G2
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	5552	82%
Downward House Side	1200	18%
Downward Total	6752	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	6752	100%

ISOFOOT CANDLE PLOT





Job Name:
133 ESSEX ST. DEVELOPMENT
Designer & Consultants: Swaney Application Design

Catalog Number:
PROV2-36L-295-3K7-5W-***-STND_MNT-UNV
Notes:

Type:
S5
SLA24-58076



PROV2

ARCHITECTURAL AREA/SITE

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____

PHOTOMETRY

PROV2-36L-615-4K7-4W

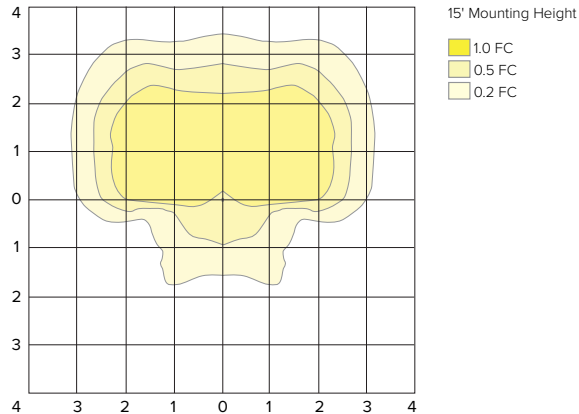
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	6809
Watts	70.25
Efficacy	96.9
IES Type	IV Wide
BUG Rating	B1-U0-G2
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	5802	85%
Downward House Side	1007	15%
Downward Total	6809	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	6809	100%

ISOFOOT CANDLE PLOT



PROV2-36L-615-4K7-5Q

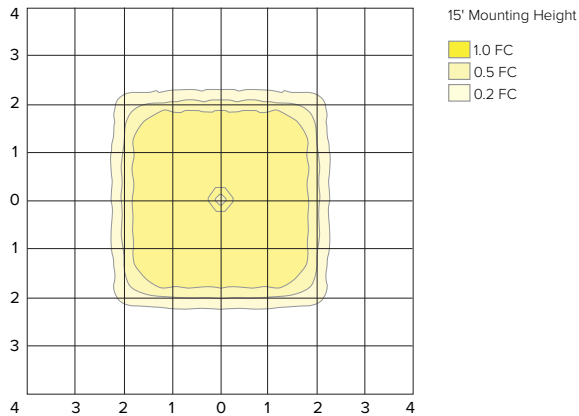
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	7425
Watts	70.25
Efficacy	105.7
IES Type	VS
BUG Rating	B3-U0-G1
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	3713	50%
Downward House Side	3713	50%
Downward Total	7425	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	7425	100%

ISOFOOT CANDLE PLOT



PROV2-36L-615-4K7-5W

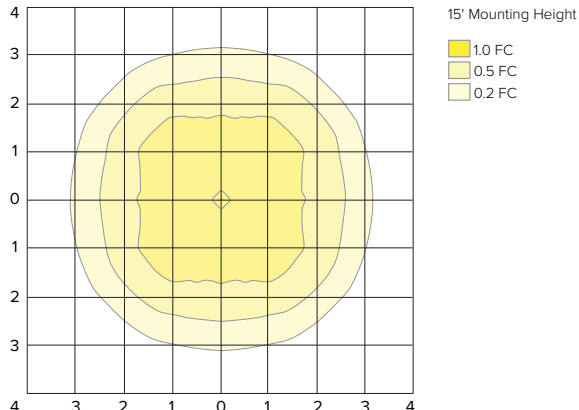
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	6863
Watts	70.25
Efficacy	97.7
IES Type	VS
BUG Rating	B3-U0-G1
Mounting Height	15 ft
Grid Scale	15 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	3432	50%
Downward House Side	3432	50%
Downward Total	6863	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	6863	100%

ISOFOOT CANDLE PLOT





Job Name:
133 ESSEX ST. DEVELOPMENT
Designer & Consultants: Swaney Application Design

Catalog Number:
PROV2-36L-295-3K7-5W-***-STND_
MNT-UNV
Notes:

Type:
S5
SLA24-58076



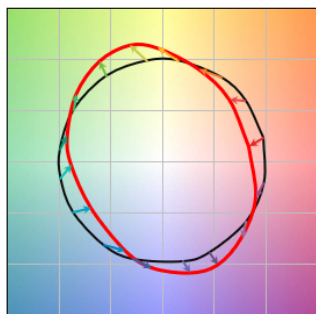
PROV2

ARCHITECTURAL AREA/SITE

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____

TM-30 DATA

COLOR VECTOR GRAPHIC

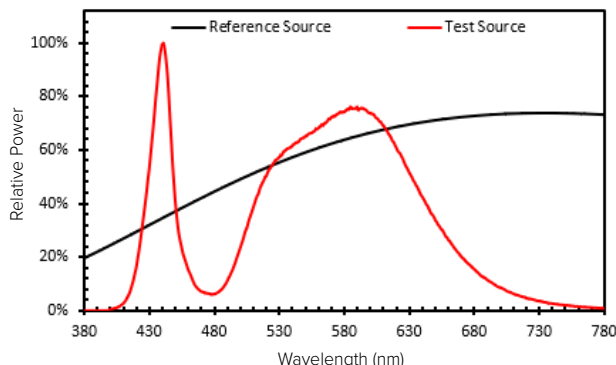


— Reference Illuminant — Test Source

TEST SOURCE

MBM TEST RESULTS	
CCT (K)	3947
CIE Ra	72
Duv	0.0004
x	0.3831
y	0.3793
Rf	68
Rg	99

SPECTRAL POWER DISTRIBUTION COMPARISON



ELECTRICAL DATA

Light Engine	System Current	System Watts	Electrical				Min. Power Factor	Max THD (%)	Dimming Range	Dimming					
			Line Voltage		Amps AC					Source current out of 0-10V		Absolute voltage range on 0-10V (+)			
			VAC	HZ	120	208				240	277	Min	Max	Min	Max
36	295 mA	34.1	120-277	50/60	0.28	0.16	0.14	0.12	>0.9	20	10% to 100%	0mA	1mA	0V	10V
	325 mA	37.8			0.32	0.18	0.16	0.14							
	510 mA	58.4			0.49	0.28	0.24	0.21							
	525 mA	60.2			0.50	0.29	0.25	0.22							
	615 mA	70.3			0.59	0.34	0.29	0.25							

TM-21 LIFETIME CALCULATION - PROJECTED LUMEN MAINTENANCE (25°C / 77°F)						
HOURS	0	25,000	36,000	50,000	100,000	REPORTED L70
Projected Lumen Maintenance	100%	98.0%	96.9%	95.4%	90.5%	> 60,000

AMBER MULTIPLIER	
CCT	MULTIPLIER
5000K	1
AM	0.1727

2700K MULTIPLIER	
CCT	MULTIPLIER
5000K	1
2700K	0.897

LENS OPTION MULTIPLIER	
CLEAR LENS	DIFFUSED LENS
0.8517	0.6462



Job Name:
133 ESSEX ST. DEVELOPMENT
Designer & Consultants: Swaney Application Design

Catalog Number:
RSA-B-CEAK-S8-40A-OT

Type:

Notes: FACTORY CUT TO 8FT

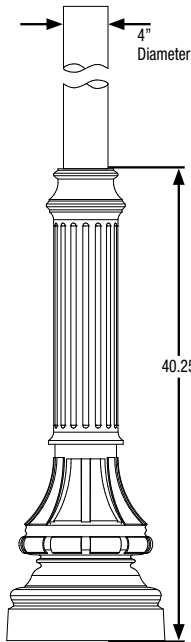
SLA24-58076



RSA-B-CEAK Series Poles

ROUND STRAIGHT ALUMINUM

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____



APPLICATIONS

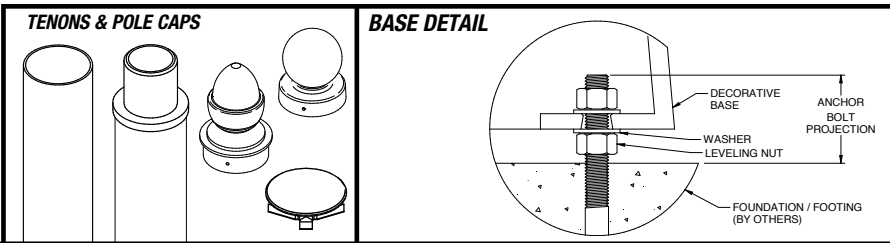
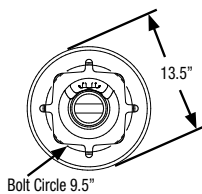
- Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location

CONSTRUCTION

- **SHAFT:** One-piece straight aluminum with fluted or smooth cross section; Extruded shafts of 6061-T6 aluminum in 1/8", 3/16", or 1/4" thickness. Decorative base of 356 cast aluminum.
- **POLE CAP OR FINALS:** Cap or decorative finials available for side mounted luminaires. Open top or tenons provided for post top mounted luminaires.
- **HAND HOLE:** Hand hole provided in cast base; Mounting provisions for grounding lug located behind cover
- **ANCHOR BOLTS:** Four galvanized anchor bolts provided per pole with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling

FINISH

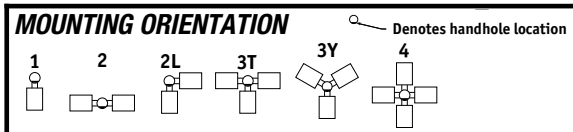
- Durable thermoset polyester powder coat paint finish with nominal 3.0 mil thickness
- Powder paint finish coat available in twelve standard colors; Custom colors available; RAL number preferable.



ORDERING EXAMPLE:

RSA-B-CEAK - **S/F** - **16** - **40** - **A/B/C** - **2L** - **B3** - **Specify Stnd. finish** - **VM2**

SERIES	STYLE	HEIGHT	SHAFT	THICKNESS	MOUNTING	FINISH	OPTIONS
RSA-B-CEAK Round Straight Aluminum Pole Beacon	S Smooth F Fluted	Reference page 2 Ordering matrix 8	Reference page 2 Ordering matrix 40	Reference page 2 Ordering matrix	1 Single arm mount 2 Two fixtures at 180° 2L Two fixtures at 90° 3T Three fixtures at 90° 3Y Three at 120° 4 Four fixtures at 90° OT Open top (includes pole cap) TN3 Tenon 3 x 3 TN4 Tenon 3 x 4 CAP Cap ARC Acorn Finial BAL Ball Finial	BLT Black Matte Textured BLS Black Gloss Smooth DBT Dark Bronze Matte Textured DBS Dark Bronze Gloss Smooth GTT Graphite Matte Textured LGS Light Grey Gloss Smooth PSS Platinum Silver Smooth WHT White Matte Textured WHS White Gloss Smooth VGT Verde Green Textured Color Option CC Custom Color	GFI 20 Amp GFCI Receptacle and Cover EHH Extra Handhole C05 .5" Coupling C07 .75" Coupling C20 2" Coupling VM2 2nd mode vibration damper LAB Less Anchor Bolts



ACCESSORIES- Order Separately

Catalog Number	Description
VM2SXX	2nd mode vibration damper

1 Specify option location using logic found on page 2 (Option Orientation)



Job Name:
133 ESSEX ST. DEVELOPMENT
Designer & Consultants: Swaney Application Design

Catalog Number:
RSA-B-CEAK-S8-40A-OT

Notes: FACTORY CUT TO 8FT

Type:

SLA24-58076



RSA-B-CEAK Series Poles
ROUND STRAIGHT ALUMINUM

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____

ORDERING INFORMATION Cont.

Cut to 8'

Catalog Number	Height		Nominal Shaft Dimensions	Wall Thickness	Bolt Circle (suggested)	Bolt Square	Base Plate Size	Anchor Bolt Size	Bolt Projection	Pole weight (lbs)
	Feet	Meters								
RSA-B-CEAK-S-10-40-A	10	3.0	4" Round	0.125"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	63
RSA-B-CEAK-S-12-40-A	12	3.7	4" Round	0.125"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	66
RSA-B-CEAK-S-14-40-A	14	4.3	4" Round	0.125"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	70
RSA-B-CEAK-S-16-40-A	16	4.9	4" Round	0.125"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	74
RSA-B-CEAK-S-18-40-A	18	5.5	4" Round	0.125"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	77
RSA-B-CEAK-S-20-40-A	20	6.1	4" Round	0.125"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	81
RSA-B-CEAK-S-10-40-B	10	3.0	4" Round	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	70
RSA-B-CEAK-S-12-40-B	12	3.7	4" Round	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	75
RSA-B-CEAK-S-14-40-B	14	4.3	4" Round	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	81
RSA-B-CEAK-S-16-40-B	16	4.9	4" Round	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	86
RSA-B-CEAK-S-18-40-B	18	5.5	4" Round	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	91
RSA-B-CEAK-S-20-40-B	20	6.1	4" Round	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	97
RSA-B-CEAK-S-22-40-B	22	6.7	4" Round	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	102
RSA-B-CEAK-S-24-40-B	24	7.3	4" Round	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	NR
RSA-B-CEAK-S-10-40-C	10	3.0	4" Round	0.25"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	77
RSA-B-CEAK-S-12-40-C	12	3.7	4" Round	0.25"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	84
RSA-B-CEAK-S-14-40-C	14	4.3	4" Round	0.25"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	91
RSA-B-CEAK-S-16-40-C	16	4.9	4" Round	0.25"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	98
RSA-B-CEAK-S-18-40-C	18	5.5	4" Round	0.25"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	105
RSA-B-CEAK-S-20-40-C	20	6.1	4" Round	0.25"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	112
RSA-B-CEAK-S-22-40-C	22	6.7	4" Round	0.25"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	119
RSA-B-CEAK-S-24-40-C	24	7.3	4" Round	0.25"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	126
RSA-B-CEAK-F-10-40-B	10	3.0	4" Fluted	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	72
RSA-B-CEAK-F-12-40-B	12	3.7	4" Fluted	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	78
RSA-B-CEAK-F-14-40-B	14	4.3	4" Fluted	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	83
RSA-B-CEAK-F-16-40-B	16	4.9	4" Fluted	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	89
RSA-B-CEAK-F-18-40-B	18	5.5	4" Fluted	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	95
RSA-B-CEAK-F-20-40-B	20	6.1	4" Fluted	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	101
RSA-B-CEAK-F-22-40-B	22	6.7	4" Fluted	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	106
RSA-B-CEAK-F-24-40-B	24	7.3	4" Fluted	0.188"	9.50"	6.72"	13-1/2" dia. X 40-1/4" Tall	5/8 x 24 x 3	3-1/4"	112

NOTE: Factory supplied template must be used when setting anchor bolts. Current will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template and anchor bolts.

<p>EHH - EXTRA HANDHOLE</p> <p>Provision for Grounding</p>	<p>C05 - C07 - C20 - COUPLING</p> <p>2" - 11.5 NPSC Threads 3/4" - 14 NPSC Threads 1/2" - 14 NPSC Threads</p>	<p>VM2 - VIBRATION DAMPER 2ND MODE</p> <p>Factory installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.</p>	<p>GFI - 20 AMP GFCI RECEPTACLE & COVER</p> <p>Round aluminum pole Standard hand hole frame Adapter plate Gasket 20 AMP GFCI Wet Locations In-use Cover</p>
<p>OPTION ORIENTATION</p> <p>Follow the logic below when ordering location specific options. For each option, include its orientation (in degrees) and its height (in feet). Example: Option C07 should be ordered as: RSA-CEAK-F16-40B-TN3-DBT-C05-0-15 (.5" coupling on the handhole/arm side of pole, 15 feet up from the pole base) 1' spacing required between option. Consult factory for other configurations.</p>		<p>VM2SXX - VIBRATION DAMPER 2ND MODE</p> <p>Field installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.</p> <p>VM2S08 - 8' VM2S12 - 12' VM2S16 - 16' VM2S20 - 20' VM2S24 - 24'</p>	

For more information about pole vibration and vibration dampers, please consult Pole Vibration Application Guide. Due to our continued efforts to improve our products, product specifications are subject to change without notice.



Job Name:
133 ESSEX ST. DEVELOPMENT
Designer & Consultants: Swaney Application Design

Catalog Number:
RSA-B-CEAK-S8-40A-OT

Notes: FACTORY CUT TO 8FT

Type:

SLA24-58076

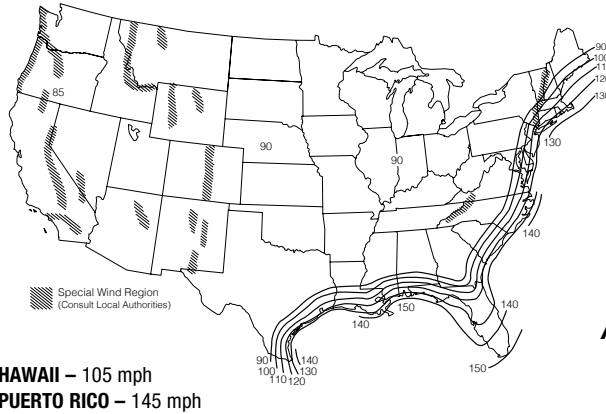


RSA-B-CEAK Series Poles

ROUND STRAIGHT ALUMINUM

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____

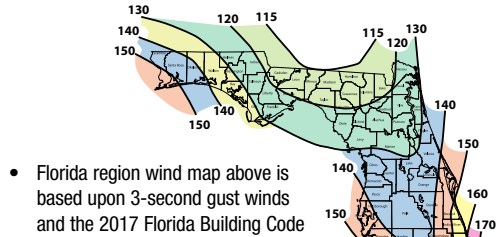
ASCE7-05 WIND MAP



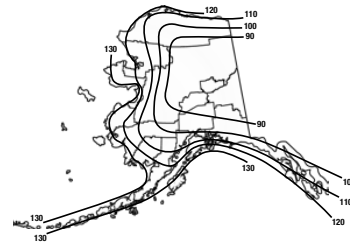
HAWAII – 105 mph
PUERTO RICO – 145 mph

*PRINTED WITH PERMISSION FROM ASCE

FLORIDA REGION WIND MAP



ALASKA REGION WIND MAP



ASCE 7-05 wind map EPA Load Rating - 3 second gust wind speeds										
Catalog Number	85	90	100	105	110	120	130	140	145	150
RSA-B-CEAK-S-10-40-A	14.6	13.1	10.6	9.6	8.7	7.2	6.1	5.3	4.9	4.6
RSA-B-CEAK-S-12-40-A	10.5	9.4	7.5	6.7	6.0	4.9	4.1	3.5	3.3	3.0
RSA-B-CEAK-S-14-40-A	7.9	6.9	5.4	4.8	4.2	3.4	2.8	2.3	2.2	2.0
RSA-B-CEAK-S-16-40-A	6.0	5.2	3.9	3.4	2.9	2.2	1.8	1.4	1.3	1.2
RSA-B-CEAK-S-18-40-A	4.4	3.8	2.7	2.2	1.8	1.2	0.9	0.7	0.6	0.5
RSA-B-CEAK-S-20-40-A	3.2	2.6	1.6	1.3	0.9	NR	NR	NR	NR	NR
RSA-B-CEAK-S-10-40-B	21.4	19.2	15.7	14.2	12.9	10.8	9.3	8.0	7.4	6.9
RSA-B-CEAK-S-12-40-B	15.8	14.1	11.4	10.2	9.3	7.7	6.5	5.6	5.2	4.9
RSA-B-CEAK-S-14-40-B	12.1	10.7	8.5	7.6	6.8	5.6	4.7	4.0	3.7	3.5
RSA-B-CEAK-S-16-40-B	9.4	8.3	6.5	5.7	5.1	4.0	3.4	2.8	2.6	2.4
RSA-B-CEAK-S-18-40-B	7.3	6.4	4.9	4.2	3.7	2.8	2.3	1.9	1.7	1.6
RSA-B-CEAK-S-20-40-B	5.7	4.8	3.5	3.0	2.5	1.8	1.4	1.1	1.0	0.9
RSA-B-CEAK-S-22-40-B	4.3	3.6	2.4	1.9	1.5	0.9	0.6	NR	NR	NR
RSA-B-CEAK-S-24-40-B	3.2	2.5	1.5	1.1	0.7	NR	NR	NR	NR	NR
RSA-B-CEAK-S-10-40-C	25.0	24.7	20.2	18.3	16.7	14.1	12.0	10.4	9.7	9.1
RSA-B-CEAK-S-12-40-C	20.4	18.3	14.8	13.4	12.2	10.2	8.7	7.5	6.9	6.5
RSA-B-CEAK-S-14-40-C	15.8	14.1	11.3	10.2	9.2	7.6	6.4	5.5	5.1	4.8
RSA-B-CEAK-S-16-40-C	12.5	11.1	8.8	7.9	7.0	5.7	4.8	4.1	3.8	3.5
RSA-B-CEAK-S-18-40-C	9.9	8.8	6.8	6.0	5.3	4.2	3.5	2.9	2.7	2.5
RSA-B-CEAK-S-20-40-C	7.9	6.8	5.2	4.5	3.9	3.0	2.4	2.0	1.8	1.6
RSA-B-CEAK-S-22-40-C	6.2	5.3	3.9	3.3	2.7	2.0	1.5	1.2	1.1	0.9
RSA-B-CEAK-S-24-40-C	4.8	4.0	2.8	2.2	1.8	1.1	0.8	0.5	NR	NR
RSA-B-CEAK-F-10-40-B	21.3	19.1	15.6	14.1	12.8	10.7	9.0	7.6	7.1	6.5
RSA-B-CEAK-F-12-40-B	15.6	14.0	11.2	10.1	9.1	7.5	6.2	5.2	4.7	4.3
RSA-B-CEAK-F-14-40-B	11.9	10.6	8.4	7.5	6.7	5.4	4.3	3.5	3.1	2.8
RSA-B-CEAK-F-16-40-B	9.3	8.1	6.3	5.6	4.9	3.8	2.9	2.2	1.9	1.6
RSA-B-CEAK-F-18-40-B	7.1	6.2	4.6	4.0	3.4	2.5	1.8	1.1	0.9	0.6
RSA-B-CEAK-F-20-40-B	5.4	4.6	3.3	2.7	2.3	1.4	0.8	NR	NR	NR
RSA-B-CEAK-F-22-40-B	4.0	3.3	2.2	1.7	1.3	0.5	NR	NR	NR	NR
RSA-B-CEAK-F-24-40-B	2.9	2.3	1.2	0.8	NR	NR	NR	NR	NR	NR

Florida Building Code 2017 EPA Load Rating - 3 second gust wind speeds									
Catalog Number	115	120	130	140	150	160	170	180	
RSA-B-CEAK-S-10-40-A	11.0	10.1	8.6	7.3	6.2	5.4	5.2	4.5	
RSA-B-CEAK-S-12-40-A	7.8	7.1	5.9	4.9	4.1	3.4	3.5	3.1	
RSA-B-CEAK-S-14-40-A	5.6	5.0	4.1	3.3	2.6	2.1	1.9	1.7	
RSA-B-CEAK-S-16-40-A	4.0	3.5	2.7	2.0	1.5	1.0	0.8	0.5	
RSA-B-CEAK-S-18-40-A	2.7	2.3	1.6	1.0	0.5	NR	NR	NR	
RSA-B-CEAK-S-20-40-A	1.6	1.2	0.6	NR	NR	NR	NR	NR	
RSA-B-CEAK-S-10-40-B	16.4	15.1	12.8	11.0	9.5	8.3	7.7	6.9	
RSA-B-CEAK-S-12-40-B	11.9	10.9	9.1	7.8	6.6	5.6	5.5	4.8	
RSA-B-CEAK-S-14-40-B	8.9	8.1	6.7	5.6	4.6	3.9	3.7	3.5	
RSA-B-CEAK-S-16-40-B	6.7	6.0	4.9	3.9	3.1	2.5	2.3	2.1	
RSA-B-CEAK-S-18-40-B	4.9	4.3	3.4	2.6	1.9	1.4	1.2	1.0	
RSA-B-CEAK-S-20-40-B	3.5	3.0	2.2	1.5	0.9	0.5	NR	NR	
RSA-B-CEAK-S-22-40-B	2.4	2.0	1.2	0.6	NR	NR	NR	NR	
RSA-B-CEAK-S-24-40-B	1.4	1.0	NR	NR	NR	NR	NR	NR	
RSA-B-CEAK-S-10-40-C	21.1	19.5	16.6	14.3	12.4	10.8	10.0	8.9	
RSA-B-CEAK-S-12-40-C	15.5	14.2	12.0	10.3	8.8	7.6	7.3	6.4	
RSA-B-CEAK-S-14-40-C	11.8	10.8	9.0	7.6	6.4	5.4	5.2	4.8	
RSA-B-CEAK-S-16-40-C	9.1	8.2	6.8	5.6	4.6	3.8	3.6	3.4	
RSA-B-CEAK-S-18-40-C	6.9	6.2	5.0	4.0	3.2	2.5	2.3	2.0	
RSA-B-CEAK-S-20-40-C	5.2	4.6	3.6	2.7	2.0	1.4	1.2	1.0	
RSA-B-CEAK-S-22-40-C	3.9	3.3	2.4	1.7	1.0	0.8	0.5	NR	
RSA-B-CEAK-S-24-40-C	2.7	2.2	1.4	0.7	0.2	NR	NR	NR	
RSA-B-CEAK-F-10-40-B	16.4	15.1	12.8	11.0	9.5	8.3	7.2	6.3	
RSA-B-CEAK-F-12-40-B	11.9	10.9	9.1	7.8	6.6	5.6	4.8	4.2	
RSA-B-CEAK-F-14-40-B	8.9	8.1	6.7	5.6	4.6	3.9	3.2	2.7	
RSA-B-CEAK-F-16-40-B	6.7	6.0	4.9	3.9	3.1	2.5	2.0	1.5	
RSA-B-CEAK-F-18-40-B	4.9	4.3	3.4	2.6	1.9	1.4	0.9	0.5	
RSA-B-CEAK-F-20-40-B	3.5	3.0	2.2	1.5	0.9	0.5	NR	NR	
RSA-B-CEAK-F-22-40-B	2.4	2.0	1.2	0.6	NR	NR	NR	NR	
RSA-B-CEAK-F-24-40-B	1.4	1.0	NR	NR	NR	NR	NR	NR	

**Job Name:**133 ESSEX ST. DEVELOPMENT
Designer & Consultants: Swaney Application
Design**Catalog Number:**

RSA-B-CEAK-S8-40A-OT

Type:

Notes: FACTORY CUT TO 8FT

SLA24-58076

**RSA-B-CEAK Series Poles**
ROUND STRAIGHT ALUMINUM

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

NOTES**Wind-speed Website disclaimer:**

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- Allowable EPA, to determine max pole loading weight, multiply allowable EPA by 30 lbs.
- The tables for allowable pole EPA are based on the ASCE 7-05 Wind Map or the Florida Region Wind Map for the 2010 Florida Building Code. The Wind Maps are intended only as a general guide and cannot be used in conjunction with other maps. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application
- Allowable pole EPA for jobsite wind conditions must be equal to or greater than the total EPA for fixtures, arms, and accessories to be assembled to the pole. Responsibility lies with the specifier for correct pole selection. Installation of poles without luminaires or attachment of any unauthorized accessories to poles is discouraged and shall void the manufacturer's warranty
- Wind speeds and listed EPAs are for ground mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide; Consult local and federal standards
- Wind Induced Vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings. Consult Pole Vibration Application Guide for environmental risk factors and design considerations.
- Extreme Wind Events like, Hurricanes, Typhoons, Cyclones, or Tornadoes may expose poles to flying debris, wind shear or other detrimental effects not included in wind velocity ratings

Due to our continued efforts to improve our products, product specifications are subject to change without notice.