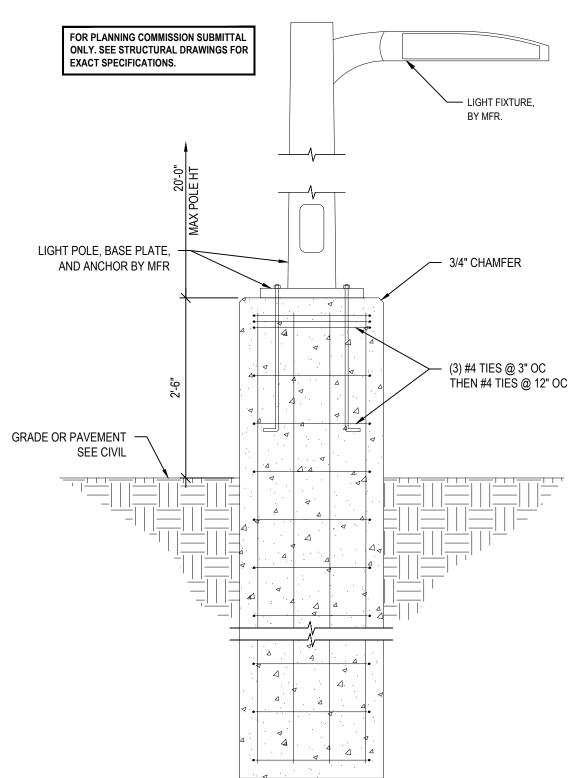


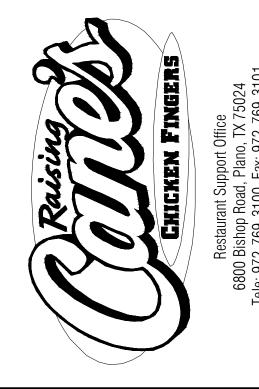
EXTERIOR LIGHTING FIXTURE SCHEDULE

TYPE	LAMP	WATTS	DESCRIPTION	CATALOG NO.
SP1	LED	102	LED POLE MOUNTED FIXTURE WITH TYPE IV MEDIUM DISTRIBUTION & DARK BRONZE FINISH. MOUNTED ON A 20' TALL SQUARE STRAIGHT STEEL POLE.	LITHONIA# DSX1-LED-P3-30K-T4M-MVOLT- SPA-DDBXD POLE - LITHONIA# SSS-20'-5G-DM19AS-DDBXD
SP2	LED	102	LED POLE MOUNTED FIXTURE WITH TYPE V MEDIUM DISTRIBUTION & DARK BRONZE FINISH. MOUNTED ON A 20' TALL SQUARE STRAIGHT STEEL POLE.	LITHONIA# DSX1-LED-P3-30K-T5M-MVOLT- SPA-DDBXD POLE - LITHONIA# SSS-20'-5G-DM19AS-DDBXD

STATISTICS	(VALUES ARE MAINTA	(VALUES ARE MAINTAINED)						
Description	Avg	Max	Min	Max/Min	Avg/Min			
PARKING FIELD	2.0 fc	3.4 fc	0.9 fc	3.8:1	2.2:1			
PROPERTY LINE	0.1 fc	1.6 fc	0.0 fc	N/A	N/A			



TYPICAL LIGHT POLE BASE DETAIL PH1.0 | SCALE: 3/4"=1'-0"



RAISING CANE'S RESTAURANT 494 LINCOLN ST. WORCESTER, MA 01605 PROTOTYPE: P6-V-Av SCHEME: B

RESTAURANT #RC1233

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ENGINEER INFORMATION:

SHEET REVISIONS # DATE TYPE

PHOTOMETRIC SITE PLAN

10/1/2024 DATE: 24164 JOB NO.

SHEET NO.



a high performance, high efficacy, long-life Length: luminaire. Height H2

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Order	ing Informa	tion	EXA	MPLE: DSX1 LED P7 40K 70CRI T3M	MVOLT SPA NLT	AIR2 PIRHN DDBXD
DSX1 LED	P3	30K	70CRI	T4M	MVOLT	SPA
Series	LEDs	Color temperature ²	Color Rendering Index ²	Distribution	Voltage	Mounting
DSX1 LED	Forward optics P1 P6 P2 P7 P3 P8 P4 P9 P5 Rotated optics P101 P121 P111 P131	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K (this section 80CRI only, extended lead times apply) 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare 3 T4M Type IV medium T4LG Type IV low glare 3 TFTM Forward throw medium TFTM Forward throw medium TGM Type IV per IV backlight control 3 TCOC Left corner cutoff 3 TCCC Right corner cutoff 3 TCCC Right corner cutoff 3	MVOLT (120V-277V) ⁴ HVOLT (347V-480V) ^{5,6} XVOLT (277V - 480V) ^{7,8} 120 ^{16, 26} 240 ^{16, 26} 247 ^{16, 26} 347 ^{16, 26} 480 ^{16, 26}	Shipped included SPA Square pole mounting (#8 drilling) RPA Round pole mounting (#8 drilling) SPAS Square pole mounting #5 drilling 9 RPAS Round pole mounting #5 drilling 9 SPA8N Square narrow pole mounting #8 drilling WBA Wall bracket 10 MA Mast arm adapter (mounts on 2 3/8" 0D horizontal tenon)

2								horizontal tenon)
							DDBXI)
Control options				o	Other optio	ons	Finish (requ	tired)
Shipped installe NLTAIR2 PIRHN PIR PER PER5	nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8–40' mounting height, ambient sensor enabled at 2fc. 11, 12, 28, 21 High/low, motion/ambient sensor, 8–40' mounting height, ambient sensor enabled at 2fc 13, 28, 21 NEMA twist-lock receptacle only (controls ordere separate) 14 Five-pin receptacle only (controls ordered separate)	t g ed	PER7 Seven-pin receptacle only (conordered separate) ^{14,21} FAO Field adjustable output ^{15,21} BL30 Bi-level switched dimming, 30 BL50 Bi-level switched dimming, 50 DMG 0-10v dimming wires pulled fixture (for use with an extern control, ordered separately) ¹⁷ DS Dual switching ^{18,19,21}	196 ^{16, 21} 196 ^{16, 21} outside al	Shipped in SPD20KV HS L90 R90 CCE HA BAA SF DF Shipped so EGSR	20KV surge protection Houseside shield (black finish standard) ²² Left rotated optics ¹ Right rotated optics ¹ Coastal Construction ²³ 50°C ambient operation ²⁴ Buy America(n) Act Compliant Single fuse (120, 277, 347V) ²⁶ Double fuse (208, 240, 480V) ²⁶	DDBXD DBLXD DNAXD DWHXD DDBTXD DBLBXD DNATXD DWHGXD	Dark Bronze Black Natural Aluminum White Textured dark bronze Textured black Textured natural aluminum Textured white

LITHONIA LIGHTING COMMERCIAL OUTDOOR

0.1 fc

Isofootcandle plots for the DSX1 LED P9 40K 70CRI. Distances are in units of mounting height (25').

6 5 4 3 2 1 0 1 2 3 4 5 6

6 5 4 3 2 1 0 1 2 3 4 5 6

6 5 4 3 2 1 0 1 2 3 4 5 6

6 5 4 3 2 1 0 1 2 3 4 5 6

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6 5 4 3 2 1 0 1 2 3 4 5 6

6 5 4 3 2 1 0 1 2 3 4 5 6

6 5 4 3 2 1 0 1 2 3 4 5 6

6 5 4 3 2 1 0 1 2 3 4 5 6

Photometric Diagrams To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's homepage.

6 5 4 3 2 1 0 1 2 3 4 5 6

6 5 4 3 2 1 0 1 2 3 4 5 6

6 5 4 3 2 1 0 1 2 3 4 5 6

6 5 4 3 2 1 0 1 2 3 4 5 6

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6 5 4 3 2 1 0 1 2 3 4 5 6

6 5 4 3 2 1 0 1 2 3 4 5 6

6 5 4 3 2 1 0 1 2 3 4 5 6

Number Fixture Type SP2 **D-Series Size 1** LED Area Luminaire NOTINE FRENCH

Specifications 14.26" (36.2 cm) 7.88" (20.0 cm) Height H2:

34 lbs (15.4 kg)

Introduction The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Order	ing Informa	tion	EXA	MPLE: DSX1 LED	P7 40K 70CRI T3M	I MVOLT SPA NL	TAIR2 PIRHN DDBXD
DSX1 LED	P3	30K	70CRI	T5M		MVOLT	SPA
Series	LEDs	Color temperature ²	Color Rendering Index ²	Distribution		Voltage	Mounting
DSX1 LED	Forward optics P1 P6 P2 P7 P3 P8 P4 P9 P5 Rotated optics P101 P121 P111 P131	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K (this section 80CRI only, extended lead times apply) 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare ³ T4M Type IV medium T4LG Type IV low glare ³ TFTM Forward throw medium	T5M Type V medium T5LG Type V low glare T5W Type V wide BLC3 Type III backlight control 3 BLC4 Type IV backlight control 3 LCC0 Left corner cutoff 3 RCC0 Right corner cutoff 3	MVOLT (120V-277V) ⁴ HVOLT (347V-480V) ^{5,6} XVOLT (277V - 480V) ^{7,8} 120 ^{16,26} 208 ^{16,26} 240 ^{16,26} 277 ^{16,26} 347 ^{16,26} 480 ^{16,26}	Shipped included SPA Square pole mounting (#8 drilling) RPA Round pole mounting (#8 drilling) SPA5 Square pole mounting #5 drilling 9 RPA5 Round pole mounting #5 drilling 9 SPA8N Square narrow pole mounting #8 drilling WBA Wall bracket 10 MA Mast arm adapter (mounts on 2 3/8" 0D horizontal tenon)
						D	DDBXD
Control opti	ions				Other options	Fi	inish (required)

					horizontal tenon)
					DDBXD
Control options				Other options	Finish (required)
Shipped install NLTAIR2 PIRHN PIR PER PER5	nLight AIR gen 2 enabled with bi-level motion ambient sensor, 8–40' mounting height, ambie sensor enabled at 2fc. ^{11, 12, 20, 21} High/low, motion/ambient sensor, 8–40' mount height, ambient sensor enabled at 2fc. ^{13, 20, 21} NEMA twist-lock receptacle only (controls ordesparate) ¹⁴ Five-pin receptacle only (controls ordered separate)	nt ing ered	PER7 Seven-pin receptacle only (controls ordered separate) ^{14,21} FAO Field adjustable output ^{15,21} BL30 Bi-level switched dimming, 30% ^{16,2} BL50 Bi-level switched dimming, 50% ^{16,2} DMG 0-10v dimming wires pulled outsid fixture (for use with an external control, ordered separately) ¹⁷ DS Dual switching ^{18,19,21}	R90 Right rotated optics ¹	DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white
					DOW LE

LITHONIA LIGHTING. COMMERCIAL OUTDOOR

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

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Electrical Load

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).									Current (A)				
Ambie	ent	Lumen Multiplier		Performance Package	LED Count	Drive Current (mA)	Wattage	120V	208V	240V	277V	347V	480V
0℃	32°F	1.04		P1	30	530	51	0.42	0.24	0.21	0.18	0.15	0.11
5℃	41°F	1.04			30	330	31	0.12	0.21	0.21	0.10	0.13	0.11
10°C	50°F	1.03		P2	30	700	68	0.56	0.33	0.28	0.24	0.20	0.14
15℃	50°F	1.02		P3	30	1050	104	0.85	0.49	0.43	0.37	0.29	0.21
20°C	68°F	1.01		13	30	1050	104	0.05	0.47	0.43	0.57	0.23	0.21
25°C	77°C	1.00	Forward Optics (Non-Rotated)	P4	30	1250	125	1.03	0.60	0.52	0.45	0.36	0.26
30°C	86°F	0.99		P5	30	1400	142	1.15	0.66	0.58	0.50	0.40	0.29
35°C	95°F	0.98											
40°C	104°F	0.97		P6	40	1250	167	1.38	0.79	0.69	0.60	0.48	0.34
				P7	40	1400	188	1.54	0.89	0.77	0.67	0.53	0.38
Projected LED Lun	nen Maintenan	ce		P8	60	1100	216	1.80	1.04	0.90	0.78	0.62	0.45
Data references the extrapolated parameter, based on 10,000 hours of				P9	60	1400	279	2.31	1.33	1.15	1.00	0.80	0.58
ESNA TM-21-11).	•			P10	60	530	101	0.84	0.49	0.42	0.37	0.29	0.21
To calculate LLF, use the lumen mai operating hours below. For other lu			Rotated Optics	P11	60	700	135	1.12	0.65	0.56	0.49	0.39	0.28
Operating Hours	Lume	n Maintenance Factor	(Requires L90 or R90)	P12	60	1050	206	1.72	0.99	0.86	0.74	0.59	0.43
0 25,000		1.00		P13	60	1400	279	2.30	1.33	1.15	1.00	0.79	0.57

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

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LED Color Temperature / Color Rendering Multipliers										
	70 CRI		80	OCRI	90CRI					
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability				
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)				
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)				
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)				
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)				
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)				

Note: Some LED types are available as per special request. Contact Technical Support for more information.

Motion Sensor D	efault Settings					
Option	Unoccupied Dimmed Level	High Level (when occupied)	Phototcell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
NLTAIR2 PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

Ordering Information

Accessories DLL127F 1.5 JU Photocell - SSL twist-lock (120-277V) ²⁵

DLL347F 1.5 CUL JU Photocell - SSL twist-lock (347V) 25 DLL480F 1.5 CUL JU Photocell - SSL twist-lock (480V) 25 DSHORT SBK Shorting cap 25 DSX1HS P# House-side shield (enter package number 1-13 in place of #) DSXRPA (FINISH) Round pole adapter (#8 drilling, specify finish) DSXSPA5 (FINISH) Square pole adapter #5 drilling (specify finish) DSXRPA5 (FINISH) Round pole adapter #5 drilling (specify finish) DSX1EGSR (FINISH) External glare shield (specify finish) DSX1BSDB (FINISH) Bird spike deterrent bracket (specify finish)

NOTES

Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.

30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.

T3LG, T4LG, BLC3, ECCO, RCCO on tavailable with option NLS.

MVOLT driver operates on any line voltage from 347-480V (50/60 Hz).

HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).

HVOLT of driver operates on any line voltage from 347-480V (50/60 Hz).

HVOLT operates with any voltage between 277V and 480V (50/60 Hz).

XVOLT not available in packages P1 or P10. XVOLT not available with fusing (SF or DF).

SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).

WBA cannot be combined with Type 5 distributions plus photocell (PER).

INITAIR2 PIRHN must be ordered together. For more information on nLight AIR2 visit this link

NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50, DMG and DS. NLTAIR2 PIRHN not available with P1 and P10 using AVOLT.

PIR NOT available with NLTAIR2 PIRHN, PER, PER5, PER7, FAO BL30, BL50, DMG and DS. NLTAIR2 PIRHN not available with P1 and P10 using AVOLT.

PER/PER5/PER7 not available with NLTAIR2 PIRHN, PIR, PER5, PER7, FAO BL30, BL50, DMG and DS. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Sea accessories. Shorting Cap included.

FAO not available with NLTAIR2 PIRHN, PIR, PER5, PER7, PER7, PER7, PER7, BL30, BL50, DMG and DS.

BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO, BL30, BL50, DMG and DS.

DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50, FAO and DMG.

DS requires (2) separately switched circuits. DS provides 50/50 fixture operation via (2) different sets of leads using (2) drivers. DS only available with packages PB, P9, P10, P11, P11, P12 and P13.

Reference Motion Sensor Default Settings table on page 4 to see functionality.

Reference Motion Sensor

23 CCE option not available with option BS and EGSR. Contact Technical Support for availability.
24 Option HA not available with performance packages P4, P5, P7, P8, P9 and P13.
25 Requires luminaire to be specified with PER, PERS or PERT option. See Controls Table on page 4.
26 Single fuse (SF) requires 120V, 277V, or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).

Shield Accessories



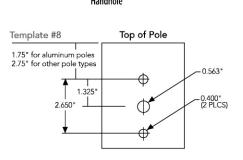


House Side Shield (HS)

HANDHOLE ORIENTATION	
C	

External Glare Shield (EGSR)

Drilling



enon Mo	unting Slip	fitter					
Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490

2-7/8"	RPA	AST25-	190	AST25	-280	AST25-	290	AST25-39	0 AST25-32		0 AST25-
4"	RPA	AST35-	190	AST35	-280	AST35-	290	AST35-390		AST35-32	0 AST35-4
			_	_				_7_		*	-1-
			_	_	L	-				i	
Mounting Option	Drilling Template	Single	2 @	180	2 (@ 90		3 @ 90	3 @ 120		4@90
Head Location		Side B	Side	B&D	Side	B & C	Sid	le B, C & D Round Po		d Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM:	28AS	DM	29AS	DM39AS		0	M32AS	DM49AS
				Mi	nimum.	Acceptable	Outsid	le Pole Dimen	sion		
SPA	#8	3.5"	3.	5"	3	.5"	3.5"		3.5"		3.5"
RPA	#8	3"	3	3"		3"		3"		3"	3"
SPA5	#5	3"	3	3"		3"		3")	3"
RPA5	#5	3"	3	3"		3"		3"		3"	3"
SPA8N	#8	3"	3" 3" 3"		3"	3"				3"	

DSX1 Area Luminaire - EPA

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4@90 DM49
Mounting Type	-		₹	<u>.</u>	Y	-1-
DSX1 with SPA	0.69	1.38	1.23	1.54		1.58
DSX1 with SPA5, SPA8N	0.70	1.40	1.30	1.66		1.68
DSX1 with RPA, RPA5	0.70	1.40	1.30	1.66	1.60	1.68
DSX1 with MA	0.83	1.66	1.50	2.09	2.09	2.09



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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

							30K					40K					50K		
Performance	System Watts	LED Count	Drive	Distribution Type		(30	00K, 70	CDI)			(40	00K, 70	CDIV			/50		CDI)	
Package	System wates	LLD Count	Current (mA)	Distribution Type	Lumens	B	U	G	LPW	Lumens	B	U U	G	LPW	Lumens	В	U U		π
				T1S	7,776	1	0	2	153	8,104	1	0	2	159	8,262	1	0		
				T2M	7,203	1	0	3	142	7,507	2	0	3	147	7,653	2	0	_	
				T3M	7,287	1	0	3	143	7,594	1	0	3	149	7,742	1	0		
				T3LG	6,509	1	0	1	128	6,783	1	0	1	133	6,916	1	0		
				T4M	7,395	1	0	3	145	7,707	1	0	3	151	7,857	1	0		
				T4LG	6,726	1	0	1	132	7,010	1	0	1	138	7,146	1	0	1	
				TFTM	7,446	1	0	3	146	7,760	1	0	3	152	7,912	1	0	3	
P1	51W	30	530	T5M	7,609	3	0	2	149	7,930	3	0	2	156	8,084	3	0	2	
				T5W	7,732	3	0	2	152	8,058	4	0	2	158	8,215	4	0	2	
				T5LG	7,631	3	0	1	150	7,953	3	0	1	156	8,108	3	0	1	
				BLC3	5,300	0	0	2	104	5,524	0	0	2	109	5,631	0	0	2	
				BLC4	5,474	0	0	3	108	5,705	0	0	3	112	5,816	0	0	3	
				RCCO	5,348	0	0	2	105	5,573	0	0	2	109	5,682	0	0	2	
				LCC0	5,348	0	0	2	105	5,573	0	0	2	109	5,682	0	0	2	
				AFR	7,776	1	0	2	153	8,104	1	0	2	159	8,262	1	0	2	
				T1S	9,997	1	0	2	147	10,418	1	0	2	154	10,621	1	0	2	
				T2M	9,260	2	0	3	137	9,651	2	0	3	142	9,839	2	0	3	
				T3M	9,368	2	0	3	138	9,763	2	0	3	144	9,953	2	0	3	
				T3LG	8,368	1	0	2	123	8,721	1	0	2	129	8,891	1	0	2	
				T4M	9,507	2	0	3	140	9,909	2	0	3	146	10,102	2	0		
				T4LG	8,647	1	0	2	128	9,012	1	0	2	133	9,187	1	0		
				TFTM	9,573	2	0	3	141	9,977	2	0	3	147	10,172	2	0		
P2	68W	30	700	T5M	9,782	4	0	2	144	10,195	4	0	2	150	10,393	4	0		
				T5W	9,940	4	0	2	147	10,360	4	0	2	153	10,562	4	0		
				T5LG	9,810	3	0	1	145	10,224	3	0	1	151	10,423	3	0	_	
				BLC3	6,814	0	0	2	101	7,101	0	0	2	105	7,240	0	0	_	
				BLC4	7,038	0	0	3	104	7,334	0	0	3	108	7,477	0	0		
				RCCO	6,875	1	0	2	101	7,165	1	0	2	106	7,305	1	0	_	
				LCC0	6,875	1	0	2	101	7,165	1	0	2	106	7,305	1	0		-
				AFR	9,997	1	0	2	147	10,418	1	0	2	154	10,621	1	0		
				T1S	14,093	2	0	2	138	14,687	2	0	2	144	14,973	2	0	_	-
				T2M	13,055	2	0	3	128	13,605	2	0	3	133	13,871	2	0		H
				T3M	13,206	2	0	4	129	13,763	2	0	4	135	14,031	2	0	_	-
				T3LG T4M	11,797	2	0	2	115	12,294	2	0	2	120	12,534	2	0		
				T4LG	13,403	2	0	2	131 119	13,968	2	0	2	137 124	14,241 12,952	2	0	2 3 3 1 1 3 1 2 2 2 1 1 2 2 3 2 2 2 2 2	
				TFTM	12,190 13,496	2	0	4	132	12,704 14,065	2	0	4	138	14,339	2	0		-
P3	102W	30	1050	T5M	13,496	4	0	2	135	14,065	4	0	2	141	14,539	4	0		+
ro	102W	30	1030	T5W	14,013	4	0	3	137	14,371	4	0	3	143	14,889	4	0	_	-
				TSLG	13,830	3	0	2	135	14,603	3	0	2	141	14,694	3	0		
				BLC3	9,606	0	0	2	94	10,011	0	0	2	98	10,206	0	0		
				BLC4	9,000	0	0	3	97	10,340	0	0	3	101	10,206	0	0		
				RCCO	9,692	1	0	2	95	10,340	1	0	2	99	10,341	1	0		
				LCCO	9,692	1	0	2	95	10,101	1	0	2	99	10,298	1	0	_	
				AFR	14,093	2	0	2	138	14,687	2	0	2	144	14,973	2	0	_	

STORE:

RAISING CANE'S RESTAURANT 494 LINCOLN ST. WORCESTER, MA 01605 PROTOTYPE: P6-V-Av SCHEME: B RESTAURANT #RC1233

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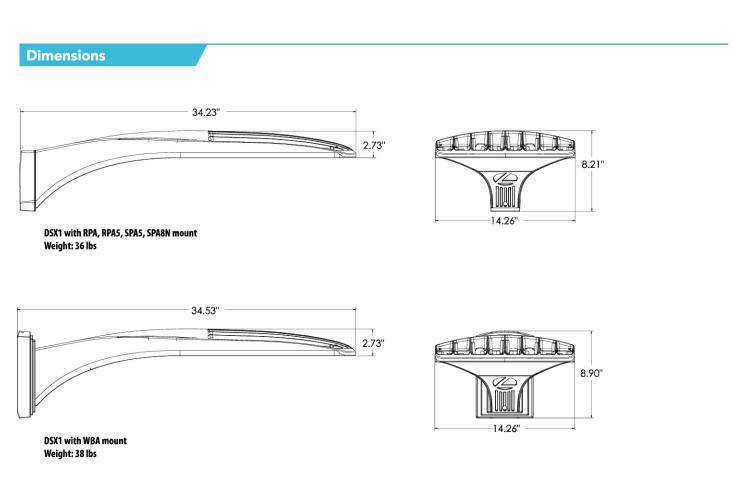
SHEET REVISIONS # DATE TYPE

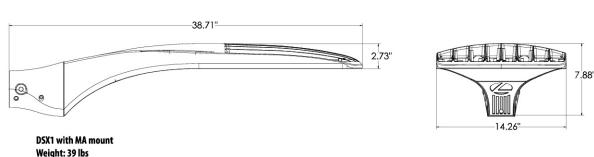
EXTERIOR LIGHT FIXTURE CUT SHEETS

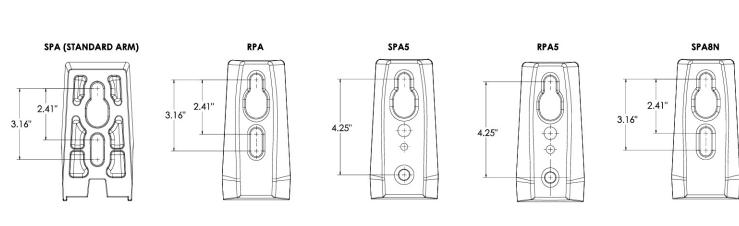
10/1/2024 24164 JOB NO.

SHEET NO.

COMMERCIAL OUTDOOR









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POLE-SSS



FEATURES & SPECIFICATIONS

INTENDED USE — These specifications are for USA standards only. Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights. CONSTRUCTION —

Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, 0.120"), or 50 KSI (7-gauge, 0.179"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in crosssection with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6". **Pole Top:** Options include tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable top cap.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153. $\textbf{HARDWARE} \longrightarrow \textbf{All structural fasteners are high-strength galvanized carbon steel}. \textbf{All non-structural fasteners are}$

Anchor Base/Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured

galvanized or zinc-plated carbon steel or stainless steel. FINISH — Extra durable painted finish is coated with TGIC (Triglycidyl Isocyanurate) Polyester powder that meets 5A and 5B classifications of ASTM D3359. Powder-coat finishes include Dark Bronze, White, Black, and Natural

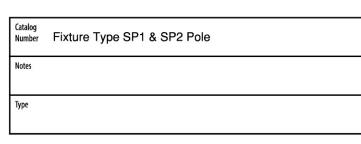
Aluminum colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited

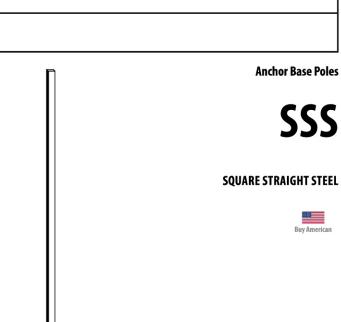
to Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes. **BUY AMERICAN** — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/ buy-american for additional information.

INSTALLATION — **Do not** erect poles without having fixtures installed. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage. Lithonia Lighting is not responsible for the foundation design.

WARRANTY — 1-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions **NOTE**: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

OUTDOOR

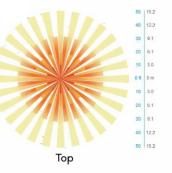


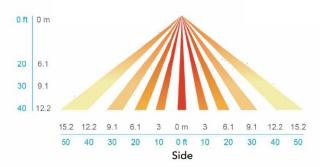


nLight Control - Sensor Coverage and Setting

nLight Sensor Coverage Pattern







The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate

in wireless control. This powerful controls platform provides out-of-the-box basic

motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-

use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting

in motion sensor and photocell group response without the need for additional

equipment. Scheduled dimming with motion sensor over-ride can be achieved

when used with the nLight Eclypse. Additional information about nLight Air can

Integral mounting arm allows for fast mounting using Lithonia standard #8 drill-

#8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40°C minimum

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified

product. Not all versions of this product may be DLC Premium qualified or DLC

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

Product with the BAA option is assembled in the USA and meets the Buy

5-year limited warranty. This is the only warranty provided and no other

America(n) government procurement requirements under FAR, DFARS and DOT

regulations. Please refer to www.acuitybrands.com/buy-american for additional

statements in this specification sheet create any warranty of any kind. All other

express and implied warranties are disclaimed. Complete warranty terms located

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

qualified. Please check the DLC Qualified Products List at www.designlights.org/

luminaire attachment to a 2 3/8" horizontal mast arm.

QPL to confirm which versions are qualified.

Specifications subject to change without notice.

available including a wall bracket (WBA) and mast arm (MA) option that allows

ing and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the

nLIGHT AIR CONTROLS

FEATURES & SPECIFICATIONS

CONSTRUCTION

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 3G for SPA and MA. 1.5G for mountings RPA, RPA5, SPA5 and SPA8N. Low EPA (0.69 ft²) for optimized pole wind loading.

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weather-

ing. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

Coastal Construction (CCE) Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight. ELECTRICAL

Light engine configurations consist of high-efficacy LEDs mounted to metalcore circuit boards to maximize heat dissipation and promote long life (up to L81/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

V LITHONIA

COMMERCIAL OUTDOOR

LIGHTING.

The DSX1 LED area luminaire has a number of control options. DSX Size 1, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensor with on-board photocells feature field-adjustable programing and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either

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SSS Square Straight Steel Poles

SSS	20'-0"	5G	DM19AS				DDBXD		
Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness ²	Mounting ³		Options		Finish ¹⁴		
SSS1	10'-39' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.) See technical information table for complete ordering information.)	4C 4" 11g (0.120") 4G 4" 7g (0.179") 5C 5" 11g (0.120") 5G 5" 7g (0.179") 6G 6" 7g (0.179") See technical information table for complete ordering information.)	Tenon mounting PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) KAC/KAD/KSE/KSF/KVR/KVF Drill mounting⁴ DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° CSX/DSX/RSX/AERIS™/OMERO™/HLA/KAX Drill mounting⁴ DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° CM39AS 3 at 90° DM49AS 4 at 90° DM29RAD 2 at 180° DM29RAD 2 at 180° DM29RAD 2 at 90° DM39RAD 3 at 90° DM39RAD 3 at 90° DM49RAD 4 at 90° ESX Drill mounting⁴ DM19ESX 1 at 90° DM28ESX 2 at 180° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM39ESX 3 at 90°	AERIS™ Suspend drill mounting 5.6 DM19AST_ 1 at 90° DM29AST_ 2 at 180° DM29AST_ 3 at 90° DM49AST_ 4 at 90° OMERO™ Suspend drill mounting 5.6 DM28MRT_ 2 at 180° DM29MRT_ 2 at 90° DM39MRT_ 3 at 90° DM49MRT_ 4 at 90°	,	Vibration damper? Horizontal arm bracket (1 fixture) ^{8,9} Festoon outlet less electrical ^{8,10} 1/2" coupling ⁸	DDBXD DBLXD DNAXD DWHXD DDBTXD DBLBXD DNATXD DWHGXD Other finis GALV Architectu finishes Paint over	able paint colors Dark bronze Black Natural aluminum White Textured dark bronz Textured natural aluminum Textured white shes Galvanized finish ural colors and special r Galvanized, RAL Colo plors and Extended Finishes available.	

1. Handhole covers (HHC), full base covers (FBC) and top caps (TC) shipped separately. No need to call out in nomenclature. 8. Specify location and orientation when ordering option. For additional parts please order as replacements

- 2. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" 0.120" | "G" 0.179". 3. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this
- example: DM28/T20. The combination includes a required extra handhole. 4. Refer to the fixture spec sheet for the correct drilling template pattern
- and orientation compatibility. 5. All RAD drilling's require a minimum top 0.D. of 4".
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- 7. On 4" and 5" poles, VD cannot be installed if provisions (EHH, FDL, NPL, CPL) are located higher than 2/3 of the pole's
- Example: Pole height is 25ft, A provision cannot be placed above 16ft.

For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-". Example: 5ft = 5 and 20ft 3in = 20-3For "y": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below.

Example: 1/2" coupling at 5' 8", orientation C = CPL12/5-8C9. Horizontal arm is 18" x 2-3/8" 0.D. tenon standard, with radius curve providing 12" rise and 2-3/8" 0.D. If ordering two horizontal arm at the same height, specify with HAxyy. Example: HA20BD. 10. FDL does not come with GFCI outlet or handhole cover. These must be supplied by contractor or electrician. 11. Combination of tenon-top and drill mount includes extra handhole. EHH includes cover. 12. Provides enhanced corrosion resistance.

13. Use when mill certifications are required. 14. Finish must be specified. Additional colors available; see Architectural Colors brochure linked here (Form No. 794.3).

Accessories: Order as separate catalog number. PL DT20 Plugs for ESX drillings PL DT8 Plugs for DMxxAS drillings

A LITHONIA LIGHTING

LITHONIA LIGHTING

SSS Square Straight Steel Poles

TECHNICAL INFORMATION — EPA (ft²) with 1.3 gust

Wall thick

in. x ft.)

NOTE: * EPA values are based ASCE 7-93 wind map. For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

BASE DETAIL

ABTEMPLATE PJ50004

ABSSS-4G

AB30-0

• Do not erect poles without having fixtures installed.

• Factory-supplied templates must be used when setting anchor

anchorage placement due to failure to use Lithonia Lighting

bolts. Lithonia Lighting will not accept claim for incorrect

• If poles are stored outside, all protective wrapping must be

removed immediately upon delivery to prevent finish damage.

• Lithonia Lighting is not responsible for the foundation design.

IMPORTANT INSTALLATION NOTES:

Bolt circles have +/- 1/2" tolerance.

factory templates.

STORE:

RAISING CANE'S **RESTAURANT** 494 LINCOLN ST. WORCESTER, MA 01605 PROTOTYPE: P6-V-Av

SCHEME: B

RESTAURANT #RC1233

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SHEET REVISIONS # DATE TYPE

EXTERIOR LIGHT FIXTURE CUT SHEETS

10/1/2024 24164 JOB NO.

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CAUTION: These specifications are intended for general purposes only. Lithonia Lighting reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.

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EPA (ft²) with 1.3 gust

4.0 x 10.0 0.120" 11 30.6 765 23.8 595 18.9 473 8-9 3/4 x 18 x 3

4.0 x 14.0 0.120" 11 19.9 498 15.1 378 11.7 293 8-9 3/4 x 18 x 3

5.0 x 20.0 0.179" 7 28.1 703 21.4 535 16.2 405 10--12 1 x 36 x 4

4.0 x 25.0 0.120" 11 4.8 150 2.6 100 1 50 8--9 3/4 x 18 x 3

4.0 x 30.0 0.179" 7 6.7 168 4.4 110 2.6 65 8--9 3/4 x 30 x 3

 16
 4.0 x 16.0
 0.120"
 11
 15.9
 398
 11.8
 295
 8.9
 223
 8-9
 3/4 x 18 x 3

 18
 4.0 x 18.0
 0.120"
 11
 12.6
 315
 9.2
 230
 6.7
 168
 8-9
 3/4 x 18 x 3

 20
 4.0 x 20.0
 0.120"
 11
 9.6
 240
 6.7
 167
 4.5
 150
 8-9
 3/4 x 18 x 3

 20
 4.0 x 20.0
 0.179"
 7
 14
 350
 11
 275
 8
 200
 8-9
 3/4 x 30 x 3

5.0 x 20.0 0.120" 11 17.7 443 12.7 343 9.4 235 10-12

25 4.0 x 25.0 0.179" 7 10.8 270 7.7 188 5.4 135 8--9 3/4 x 30 x 3

5.0 x 25.0 0.120" 11 9.8 245 6.3 157 3.7 150 10-12

5.0 x 25.0 0.179" 7 18.5 463 13.3 333 9.5 238 10--12

6.0 x 30.0 0.179" 7 19 475 13.2 330 9 225 11--13

4"C 8" – 9" 3.25" – 3.75" 8" – 8.25" 0.75"

5" 10" – 12" 3.5"- 4" 11"

4"G 8" – 9" 3.38"- 3.75" 8"- 8.25" 0.875" ABTEMPLATE PJ50004

HANDHOLE ORIENTATION

6" | 11" — 13" | 4"- 4.50" | 12.5" | 1" | ABTEMPLATE PJ50011 | AB36-0

Default DM19

 SSS 35 5G
 35
 5.0 x 35.0
 0.179"
 7
 5.9
 150
 2.5
 100
 - - 10--12
 1 x 36 x 4
 440

 SSS 35 6G
 35
 6.0 x 35.0
 0.179"
 7
 12.4
 310
 7.6
 190
 4.2
 105
 11--13
 1 x 36 x 4
 540

 SSS 39 6G
 39
 6.0 x 39.0
 0.179"
 7
 7.2
 180
 3
 75
 - - 11--13
 1 x 36 x 4
 605

 30
 5.0 x 30.0
 0.120"
 11
 4.7
 150
 2
 50
 - - 10-12

 30
 5.0 x 30.0
 0.179"
 7
 10.7
 267
 6.7
 167
 3.9
 100
 10-12

POLE-SSS

SHEET NO.