

Date: Mar 5, 2012

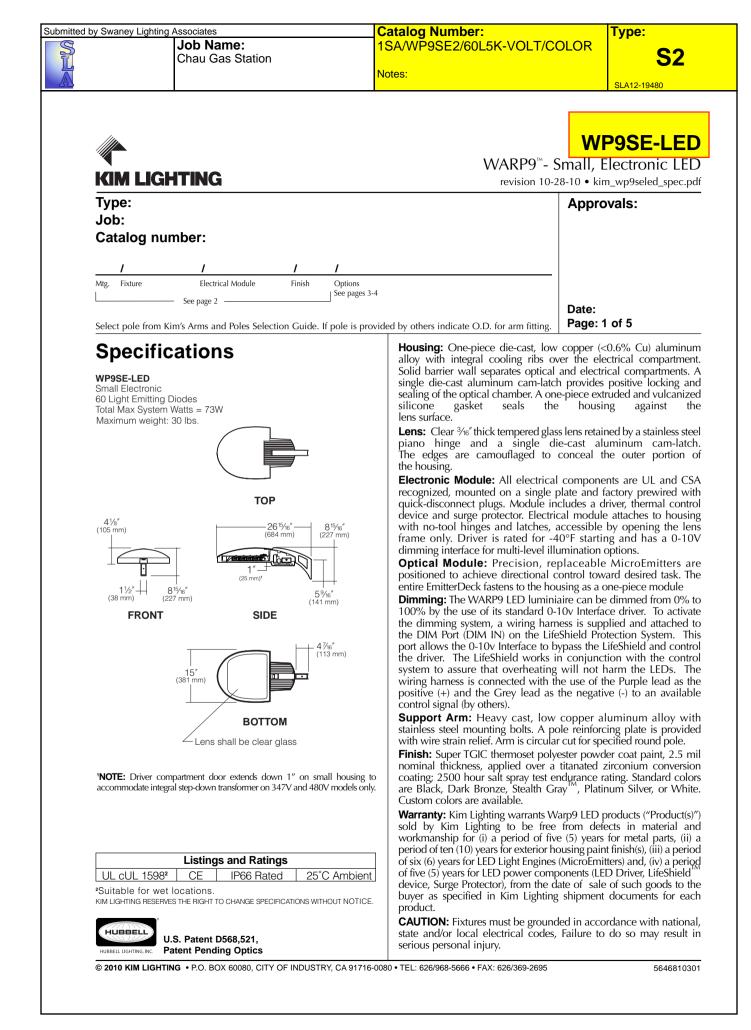
Swaney Lighting Associates 15 Pleasant Hill Rd Scarborough ME 04074 Phone: (207) 883-7100 Fax: (207) 885-9606

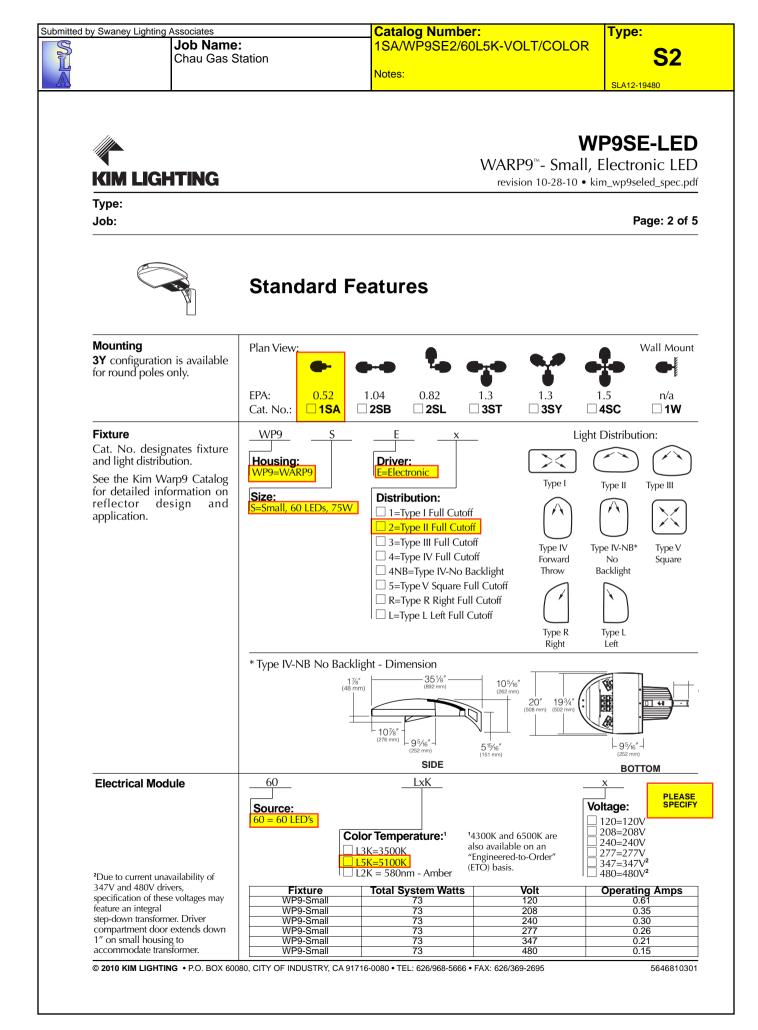
Job Name Chau Gas Station Portland ME

> Bid Date Feb 7, 2012

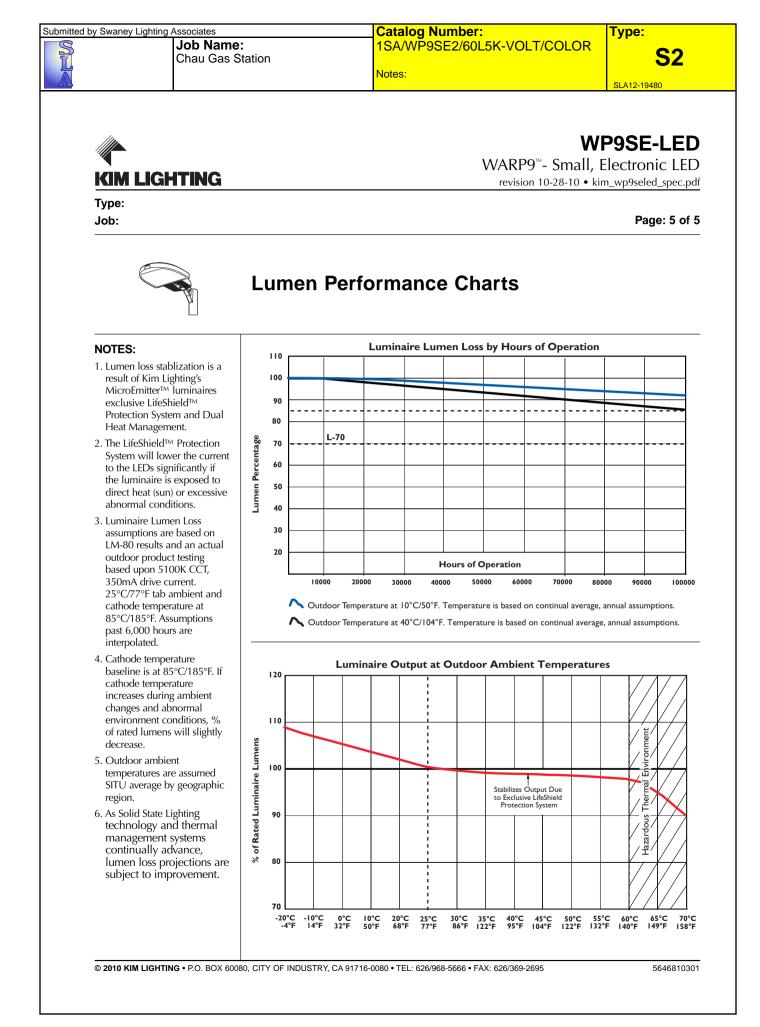
Submittal Date Mar 5, 2012

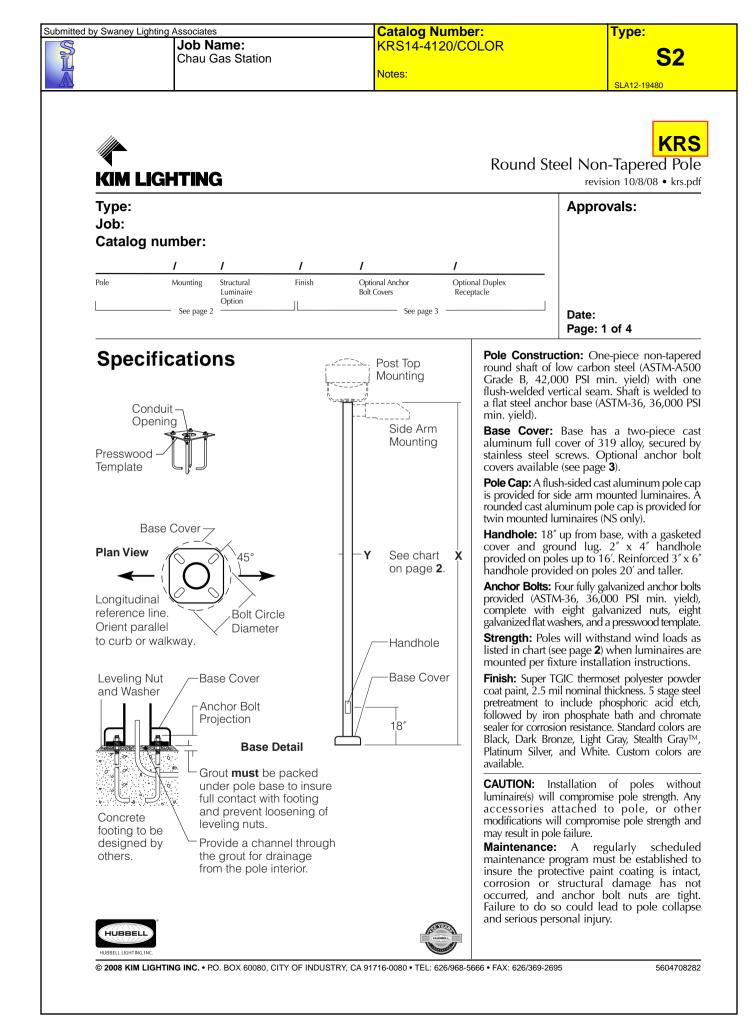
Date: Mar	5, 2012				Page 1/1
				Transmittal Swaney Lighting Associate 15 Pleasant Hill Rd Scarborough ME 04074 Phone: (207) 883-7100 From: CINDY SHEPARD	
Project Location To	SEBAGO 1 CHABO PO BOX	ME TECHNICS DT STREET			
ATTACHE		□ Spo □ Info	COPIES OF THE FC ecifications ormation bmittals	OLLOWING ITEMS: Other:	
☐ Prior A ⊠ Appro ☐ Appro	Approval	omitted	submittal for Approva rrections ur Use view and Comment	I 🔲 Record Bids due on: Other:	
Тν	vpe	MFG	Part		
	S2	KIM	1SA/WP9SE2/60L5K-VC	DLT/COLOR	
	S2	KIM	KRS14-4120/COLOR		
	S4	KIM	1SA/WP9SE4/60L5K-VC	DLT/COLOR	
	S4	KIM	KRS14-4120/COLOR		
	S5	KIM	1SA/WP9SE4/60L5K-VC	DLT/COLOR	
	S5	KIM	KRS14-4120/COLOR		
	L4-NB	KIM	1A/WP9LE4NB/120L5K-	VOLT/COLOR	
	L4-NB	KIM	KRS20-4120/COLOR		
	L52	KIM	2SB/WP9LE5/120L5K-V	OLT/COLOR	
	L52	KIM	KRS20-4120/COLOR		
	C1	SECURITY LIGHTING SYSTEMS	UCL-LED-60-G-700-UN	/	
	C2	SECURITY LIGHTING SYSTEMS	UCL-LED-36-G-700-UN	/	
	C3	PRESCOLITE	LF6LED-6LFLED540KTF		
	WP	HUBBELL	LNC-5LU-5K		





Job Name Chau Gas S	-	1SA/WP9SE2/60	L5K-VOLT/COLO	DR S
		Notes:		SLA12-19480
KIM LIGHTING Type:			WARP9 [™] - Sma revision 10-28-10) • kim_wp9seled_s
Job:				Page:
	Optional Fe	eatures		PLE
Finish Super TGIC powder coat paint over a titanated zirconium conversion coating.	Cat. No.: BL	Dark Bronze Stealth Gra DB DS to additional charges, ct custom color description	['] PS minimum quantities	White Custom
Wall Mounting Cat. No. 1W Select from Mounting on page 2 .	with four bolts (b mounted to the ca attaching to the wal cover plate assembl plate and secured w Field splices are m	unting plate is mountery others). Fixture a st aluminum cover l mounting plate. The y is hooked to the w ith stainless steel scre ade at the opening red to match arm and	nd arm are plate before fixture-arm all mounting ws provided in the cover	2" 108 mm) 9/16" (108 mm) 109 mm) 100 mm) 10
Fusing (internal only): Cat. No. (see chart at right) No Option	High temperature fus housing. Fuse is includ Line Volts: 120V Cat. No.: SF	e holders factory instal led. 208V 240V 277 DF DF S	V 34 7 V 480V	Single Eus
Photocell Controls Cat. Nos. receptacle □ A-25 Line Button Volts □ A-30 - 120V □ A-31 - 208V □ A-32 - 240V □ A-33 - 277V □ A-35 - 347V □ A-34 - 480V	A receptacle for a NE		Receptical 1A, 1W	Button
□ No Option Lexan [®] Lens Cat. No. □ LS □ No Option	glass lens.	ed polymer (Lexan®) repla when vandalism is antic		
Tamper-Resistant Latch Cat. No. TL No Option	flat socket-head screw	is provided with a capti to prevent unauthorized for vandal protection in l uthorized persons.	opening.	





Submitted by Swaney Lighting A	Associates	Catalog Number:	Type:
	Job Name: Chau Gas Station	KRS14-4120/COLOR Notes:	SLA12-19480

KRS

KIM LIGHTING

Round Steel Non-Tapered Pole revision 10/8/08 • krs.pdf

Type: Job:

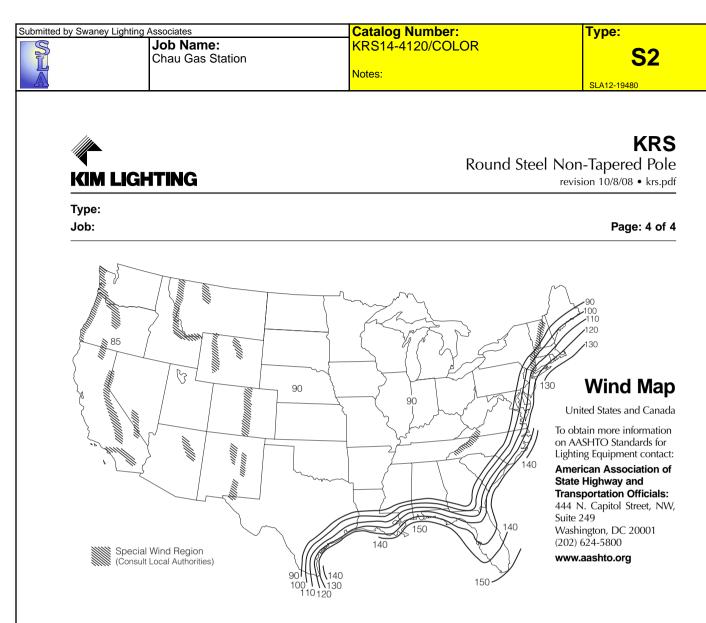
Page: 2 of 4

Standard Features

\square	-	Pole Pole				Allow	vable F	ole EP/	4	W	/ind Ma Steady	р
		Pole Catalog	х	Y							Wind	¥
		Number	~	•	85	90	100	110	120	130	140	150
		KRS10-4	120 10'	4″ x 11 ga.	21.61	19.07	17.41	14.07	11.53	9.63	8.22	7.09
	_[KRS12-4	120 12'	4″ x 11 ga.	17.33	15.22	13.84	11.05	8.94	7.28	6.26	5.37
(KRS14-4	120 14′	4″ x 11 ga.	14.18	12.37	11.18	8.79	6.98	5.67	4.78	4.06
	- [KRS16-4	120 16′	4″ x 11 ga.	11.72	10.13	9.09	7.01	5.42	4.30	3.58	3.01
	[KRS20-4	120 19.5′	4″ x 11 ga.	7.77	6.55	5.75	4.13	2.91	2.10	1.65	1.31
	[KRS20-4	180 19.5′	4″ x 7 ga.	12.67	10.92	9.77	7.46	5.70	4.48	3.70	3.09
- - Y	[KRS20-	5120 19.5′	5″ x 11 ga.	13.57	11.62	10.35	8.26	6.73	5.56	4.65	3.93
	[KRS20-	5180 19.5′	5″ x 7 ga.	21.60	18.79	16.94	13.71	11.31	9.47	8.02	6.86
	[KRS25-	5120 25'	5″ x 11 ga.	8.46	6.97	6.00	4.61	3.63	2.88	2.31	1.87
	[KRS25-	5180 25'	5″ x 7 ga.	14.59	12.44	11.03	8.77	7.12	5.86	4.88	4.10
	[KRS30-	5180 30′	5″ x 7 ga.	9.84	8.12	6.99	5.37	4.23	3.36	2.70	2.18
	Base Cover	Pole Height	ase and Bo Pole Diameter	Bolt Circle DIA	Pro	nchor Bolt jection	B	chor olts ize	S	Cover	Cond Openi	ng
⊔ <i>†</i>		10′-16′	4″	7″-8½″		3¾″		15" + 3"	11.7	8" DIA	3″ DI	A
		19.5′	4″	7″-8½″		3³⁄8″		30" + 4"	,	8" DIA	3″ DI	
	1	19.5′ - 30′	5″	71/2"-81/2	2 .	3¾″	3/4" x 3	30" + 4"	11.7	8" DIA	3″ DI	A
ounting		Flus Mou					– Sid	e Arm				

Mounting		Flush Mount	Post Top			Side	e Arm	_	
	Plan Views:	ullet	ullet	•	•-•	T •	•_•		••••
	Mounting ¹ :	□ FM	🗆 PT		🗆 B 🗆 SB		□ T □ ST		
	NOTE: Allow mount EPA. F	vable Pc Please ref	er to Kir	for jobsite v n luminaire	vind conditio catalog for sp	ons must be pecific fixture	equal to or g	greater than fi	xture
	¹ See luminaire	e drilling r	equirem	ents in specifi	c Kim lumina	ire catalog.			
	Structural L	uminair	es <i>Only</i>	- Examples					
	TS :Single	Tension	for sma	ll and large	Structural -	KRS20-5120	OB-TS		
	TD :Doub	le Tensio	n for sn	hall and larg	ge Structural	- KRS20-512	20B-TD		
	TR :Truss	for small	and lar	ge Structura	al - KRS20-5	120SB-TR			
	XTS :Singl	le Tensio	n for 10	00W Struct	ural - KRS20)-5120B-XTS	5		
	XTD :Dou	ble Tensi	on for 1	000W Stru	ctural - KRS2	20-5120B-X ⁻	TD		
	XTR :Truss	s for 100	0W Stru	uctural - KR	S20-5120B-X	XTR			
2008 KIM LIGHTIN	IG INC. • P.O. BOX 600	80, CITY O	F INDUST	RY, CA 91716-0	080 • TEL: 626/9	68-5666 • FAX: 6	626/369-2695		5604708282

///.					
			Round	d Steel Non-Ta	KR Dered Pc
KIM LIGHTING			Kounc		0/8/08 • krs
Type: Job:					Page: 3 c
JOD.					Faye: 5 C
Standard and (Intional Fea	aturas			
Finish		k Bronze Light Gray	Stealth Gray™ Pl	latinum Silver White	Custom Co
Super TGIC powder coat paint over an iron phosphate	Cat. No.: 🗆 BL 🗆 D	B 🗆 LG	SG	PS WH	
bath, chromate sealed metal pretreatment.	¹ Custom color subject Consult representative	ct to additional chai /e. Custom color des	ges, minimum qu cription:	uantities and extende	ed lead time
Optional Anchor Bolt					
Covers	(Full base cover is sta Four cast aluminum	anchor bolt covers f			
Cat. No. BC4	pole, fastened to base 4" pole Bolt Covers		screws.		5
□ No Option	5" pole Bolt Covers	(BC5)			لا
Optional Duplex	Mounted opposite th	ne handhole, at 221	/2" from base of I	pole, in a cast alum	inum box t
Receptacle Cat. No. DR	is internally welded a Duplex Receptacle			cover and locking br	acket.
DR-GFI	Duplex Receptacle	with Ground Fault	Circuit Interrupt	ter (DR-GFI) rated 20)A., 125V.



- Values are based on 50 year mean recurrence interval 30' above grade.
- Hawaii has an 105 mph wind velocity.
- Puerto Rico has a 125 mph wind velocity.
- Caution must be exercised in determining wind velocities in special wind areas such as:

Mountainous Regions

Areas surrounding the Great Lakes or other large bodies of water or open land.

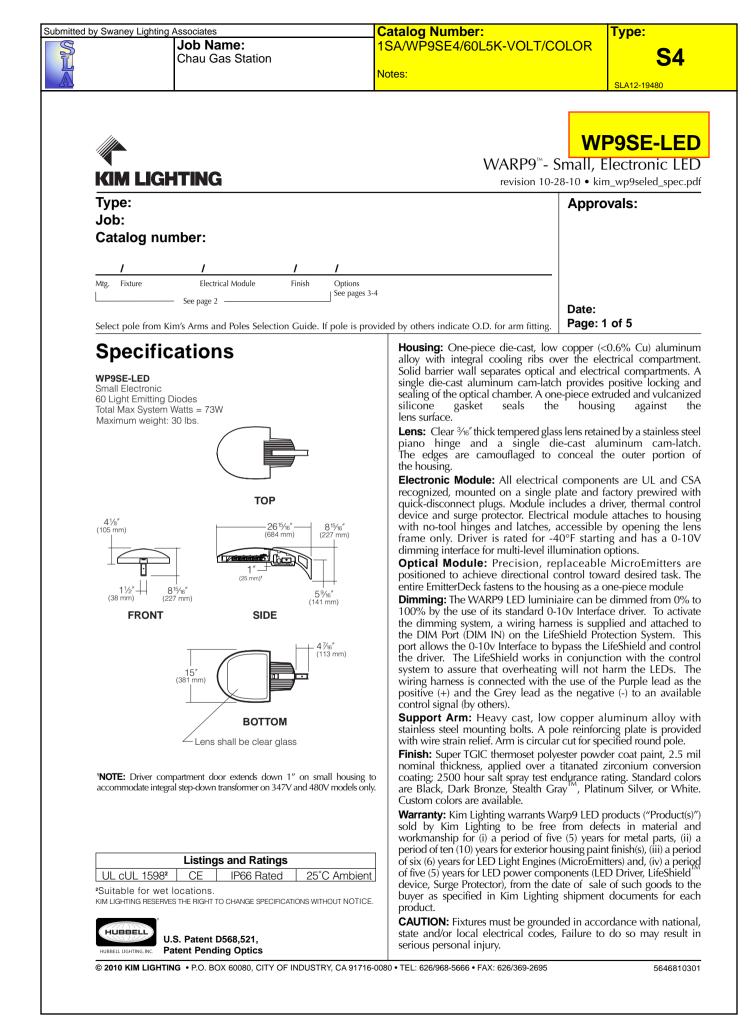
Areas subject to extreme wind conditions, such as hurricanes, typhoons, cyclones, and tornadoes.

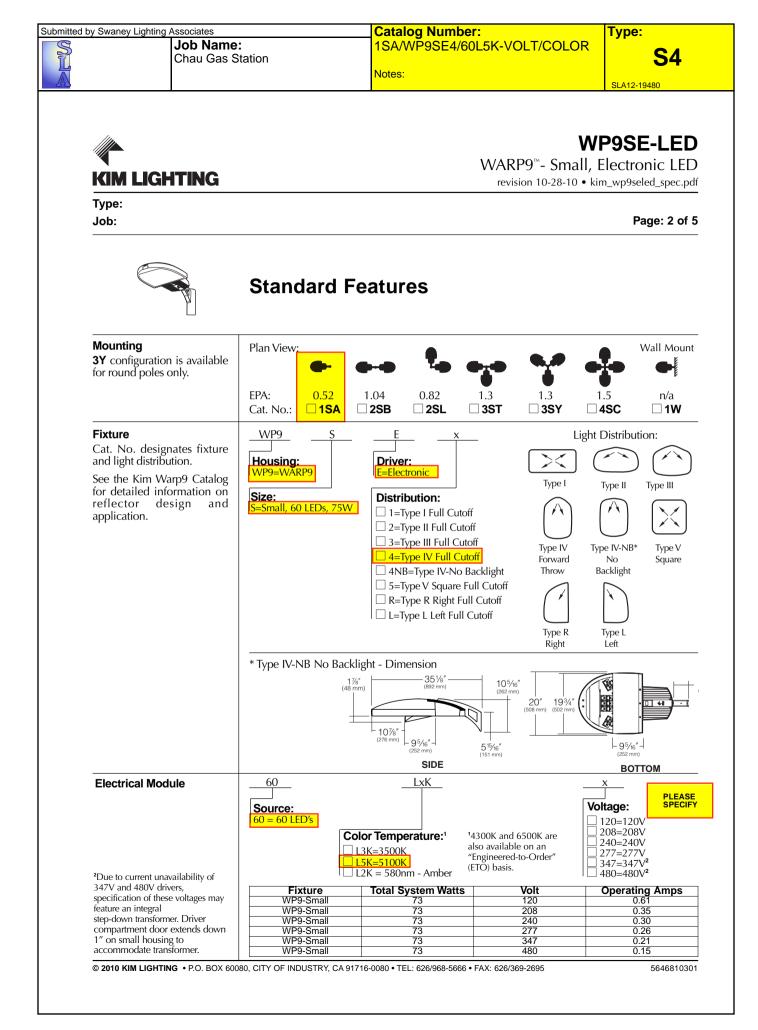
Areas adjacent to airports.

Any specific area with a known or suspected abnormally high intermittent wind condition caused by geography, adjacent structures, or other specific local conditions that may not be recorded in National Weather Service records.

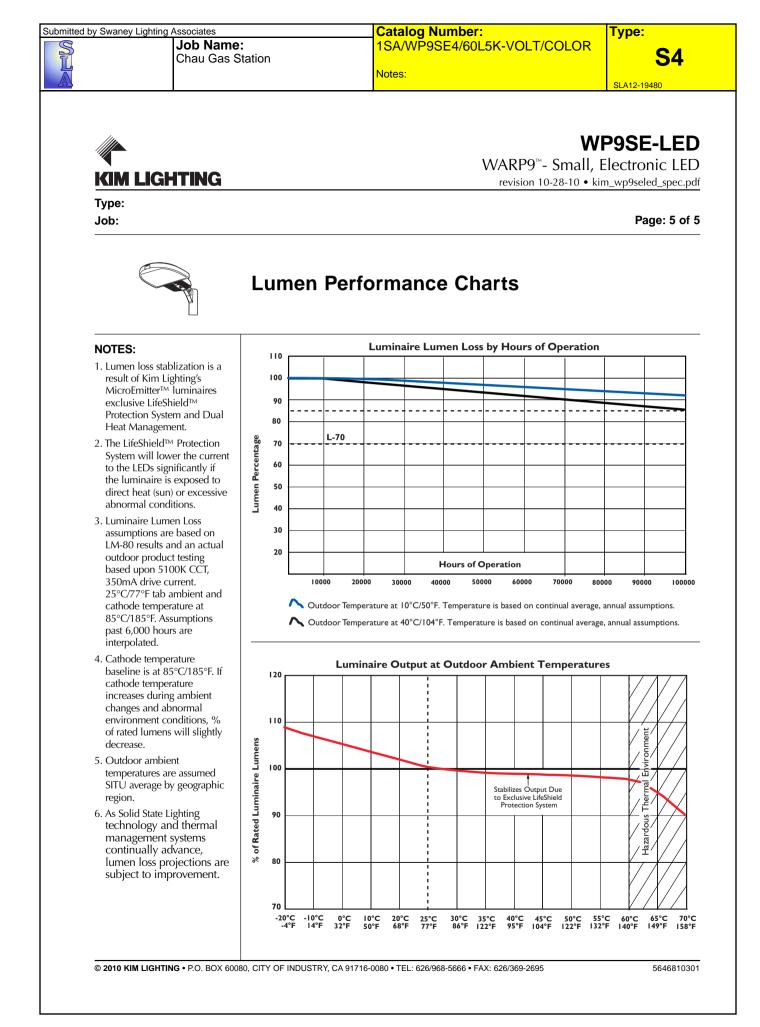
• Allowable pole EPA for jobsite wind conditions must be equal to or greater than fixture EPA. Responsibility lies with the specifier for correct pole selection based on AASHTO wind map and job location.

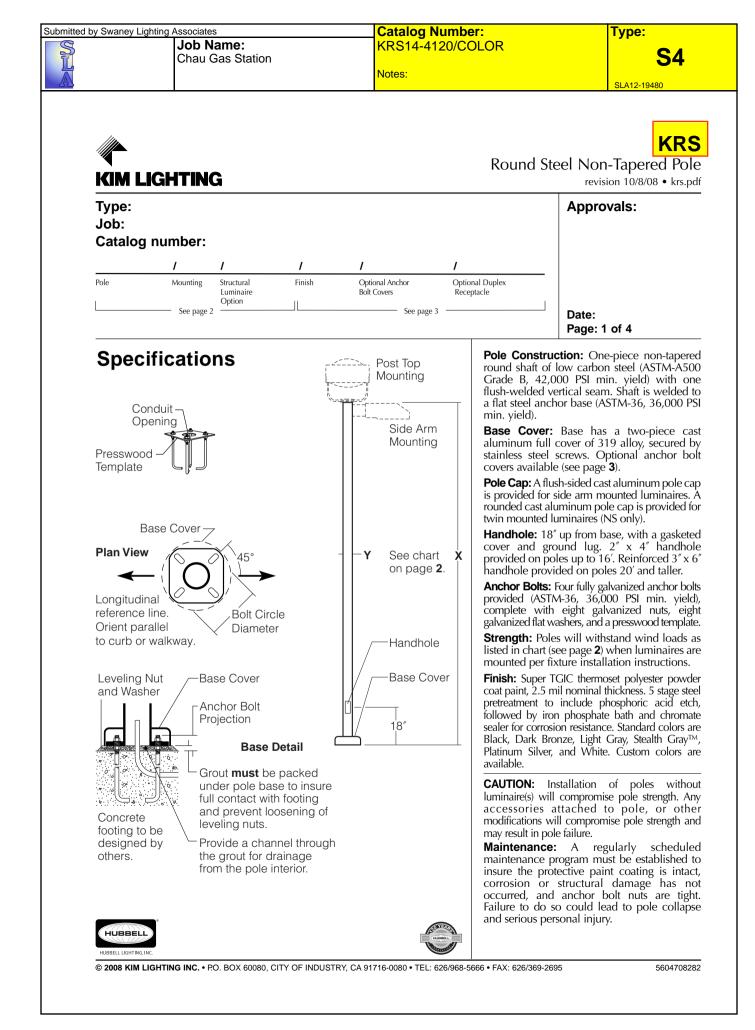
- The Wind Map is intended only as a general guide. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application.
- **CAUTION:** Wind speeds and listed EPAs are for ground mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide. Consult AASHTO standards.
- Extreme Wind Events: Hurricanes, Typhoons, Cyclones, or Tornadoes expose poles to flying debris, wind shear, and other unpredictable aerodynamic forces not indicated by the wind velocity ratings.
- Pole Strength Limited Warranty: Standard, unmodified Kim lighting Poles installed as recommended, undamaged by corrosion, or lack of maintenance, shall withstand steady wind conditions as provided on page 2 (Allowable Pole EPA). Installation of poles without luminaires, or attachment of any unauthorized accessories to poles shall void this warranty.





y Swaney Lighting Associates Job Name Chau Gas S			L5K-VOLT/COLOF	Type:
////		Notes:		sla12-19480 VP9SE-L
			WARP9 [™] - Smal revision 10-28-10 •	l, Electronic
Type: Job:				Page:
	Optional Fe	eatures		PLEA
Finish Super TGIC powder coat paint over a titanated zirconium conversion coating.	Cat. No.: BL	Dark Bronze Stealth Gra DB DS SG t to additional charges, . Custom color description	′ □ PS □ □	hite Custom (WH □ CC nd extended lead
Wall Mounting Cat. No. 1W Select from Mounting on page 2 .	with four bolts (b) mounted to the cas attaching to the wall cover plate assembly plate and secured wi Field splices are ma	unting plate is mounter y others). Fixture at st aluminum cover mounting plate. The y is hooked to the wa th stainless steel screa ade at the opening i ed to match arm and	nd arm are plate before fixture-arm- all mounting ws provided. n the cover	Cover Plate
Fusing (internal only): Cat. No. (see chart at right) No Option	housing. Fuse is include Line Volts: 120V	e holders factory instal ed. 208V 240V 277 DF DF S	V 347V 480V	Single Fuse
Photocell Controls Cat. Nos. receptacle □ A-25 Line Button Ø A-30 - 120V □ A-31 - 208V □ A-32 - 240V □ A-33 - 277V	Two types of photocell A receptacle for a NE/ an internal photocell side of the fixture. Mounting (see page 2)	MA base photocell or button sensor on the	Receptical *	Button
□ A-35 - 347∨ □ A-34 - 480∨ □ No Option	* – Fixture with Photoco S – slave unit(s)	ell Receptacle	s 2L	3T, 3Y
Lexan [®] Lens Cat. No. LS No Option	glass lens.	d polymer (Lexan®) repla when vandalism is antic		Lexan [®] Lens
Tamper-Resistant Latch Cat. No.	flat socket-head screw t	is provided with a captive prevent unauthorized or vandal protection in le uthorized persons.	opening.	Tamper Resistan





Submitted by Swaney Lighting A	Associates	Catalog Number:	Type:
	Job Name: Chau Gas Station	KRS14-4120/COLOR Notes:	SLA12-19480

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KRS

KIM LIGHTING

Round Steel Non-Tapered Pole revision 10/8/08 • krs.pdf

Type: Job:

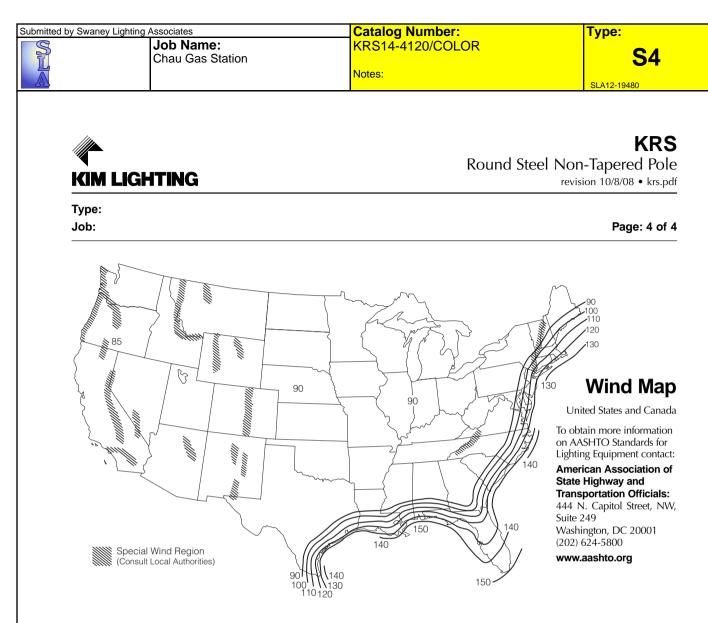
Page: 2 of 4

Standard Features

	Pole Pole				Allow	vable F	ole EP/	4	W	/ind Ma Steady Wind	p _
	Catalog Number	Х	Y	85	90	100	110	120	130	140	150
		-4120 10′	4″ x 11 ga.	21.61	19.07	17.41	14.07	11.53	9.63	8.22	7.09
			4" x 11 ga.	17.33	15.22	13.84	11.05	8.94	7.28	6.26	5.37
	KRS14		4″ x 11 ga.	14.18	12.37	11.18	8.79	6.98	5.67	4.78	4.06
	KRS16	-4120 16′	4″ x 11 ga.	11.72	10.13	9.09	7.01	5.42	4.30	3.58	3.01
	C KRS20	-4120 19.5′	4″ x 11 ga.	7.77	6.55	5.75	4.13	2.91	2.10	1.65	1.31
	☐ KRS20	-4180 19.5′	4″ x 7 ga.	12.67	10.92	9.77	7.46	5.70	4.48	3.70	3.09
- - γ	C KRS20	-5120 19.5′	5″ x 11 ga.	13.57	11.62	10.35	8.26	6.73	5.56	4.65	3.93
	☐ KRS20	-5180 19.5′	5″ x 7 ga.	21.60	18.79	16.94	13.71	11.31	9.47	8.02	6.86
	C KRS25	-5120 25'	5″ x 11 ga.	8.46	6.97	6.00	4.61	3.63	2.88	2.31	1.87
	KRS25	5180 25'	5″ x 7 ga.	14.59	12.44	11.03	8.77	7.12	5.86	4.88	4.10
	C KRS30	-5180 30'	5″ x 7 ga.	9.84	8.12	6.99	5.37	4.23	3.36	2.70	2.18
/ e	ase Pole over Height	Base and Bo Pole Diameter	Bolt Circle DIA	Pro	nchor Bolt jection	B	chor olts iize	S	Cover	Cond Openi	ng
U 7	⊤ 10′-16′	4″	7″-8½″		3¾″	,	15" + 3"	11.7	8" DIA	3″ DI	A
	8″ 19.5′	4″	7″-8½″		3¾″		30" + 4"		8" DIA	3″ DI	
	<u> </u>	5″	71/2″-81/2		3¾″	3/4" x 3	30" + 4"	11.7	8" DIA	3″ DI	A
unting	Flu		[– Sid	e Arm				

Mounting		ush Pos ount Top			Side	Arm		
	Plan Views:		•	•-•	70	•;•		••••
	Mounting ¹ :	FM 🗆 P	T 🗆 A 🗆 S	A 🗆 B 🗆 SB				
	NOTE: Allowabl mount EPA. Plea	le Pole EF se refer to l	A for jobsit Kim luminai	e wind conditi re catalog for sj	ons must be pecific fixture	equal to or g	greater than fi	xture
	¹ See luminaire dri	lling require	ments in spe	cific Kim lumina	aire catalog.			
	Structural Lum	inaires <i>Or</i>	ıly - Exampl	es				
	TS :Single Ter	nsion for sr	nall and la	ge Structural -	KRS20-5120)B-TS		
	TD :Double Te	ension for	small and I	arge Structural	- KRS20-512	20B-TD		
	TR :Truss for s	small and	large Struct	ural - KRS20-5	120SB-TR			
	XTS :Single Te	ension for	1000W Str	uctural - KRS2	0-5120B-XTS	5		
	XTD :Double	Tension fo	r 1000W S	ructural - KRS	20-5120B-X	ГD		
	XTR :Truss for	r 1000W S	tructural -	KRS20-5120B-	XTR			
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			Round	Steel Non-Ta	KR pered Pc
KIM LIGHTING					0/8/08 • krs
Type: Job:					Page: 3 c
Standard and (Finish Super TGIC powder coat paint over an iron phosphate	- Color: Black Da	atures ark Bronze Light Gray DB □ LG	Stealth Gray™ Plati □ SG □ P	s <u> </u>	Custom Co
bath, chromate sealed metal pretreatment.	¹ Custom color subj Consult representat	ect to additional char ive. Custom color des	ges, minimum qua cription:	ntities and extende	
Optional Anchor Bolt Covers Cat. No. BC4 BC5 No Option		anchor bolt covers fi se with stainless steel s s (BC4)			
Optional Duplex Receptacle Cat. No. DR DR-GFI No Option	is internally welded Duplex Receptacle	the handhole, at 22½ and sealed with a gas e (DR) rated 20A., 12! e with Ground Fault	keted self-closing co 5V.	over and locking br	acket.



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Areas subject to extreme wind conditions, such as hurricanes, typhoons, cyclones, and tornadoes.

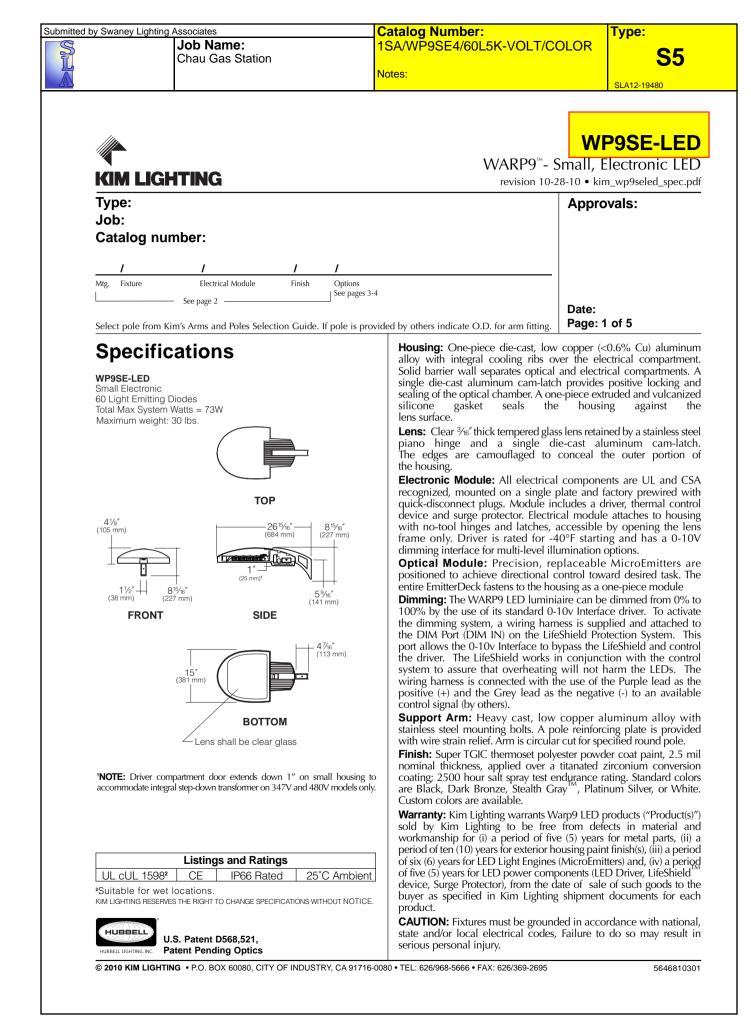
Areas adjacent to airports.

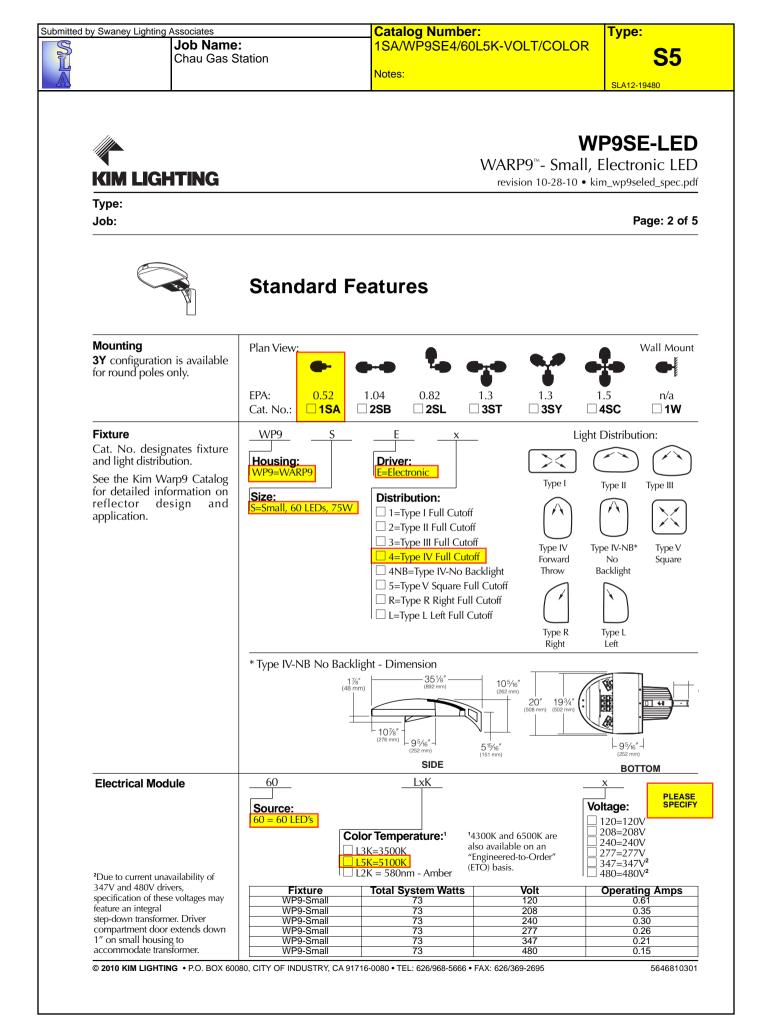
Any specific area with a known or suspected abnormally high intermittent wind condition caused by geography, adjacent structures, or other specific local conditions that may not be recorded in National Weather Service records.

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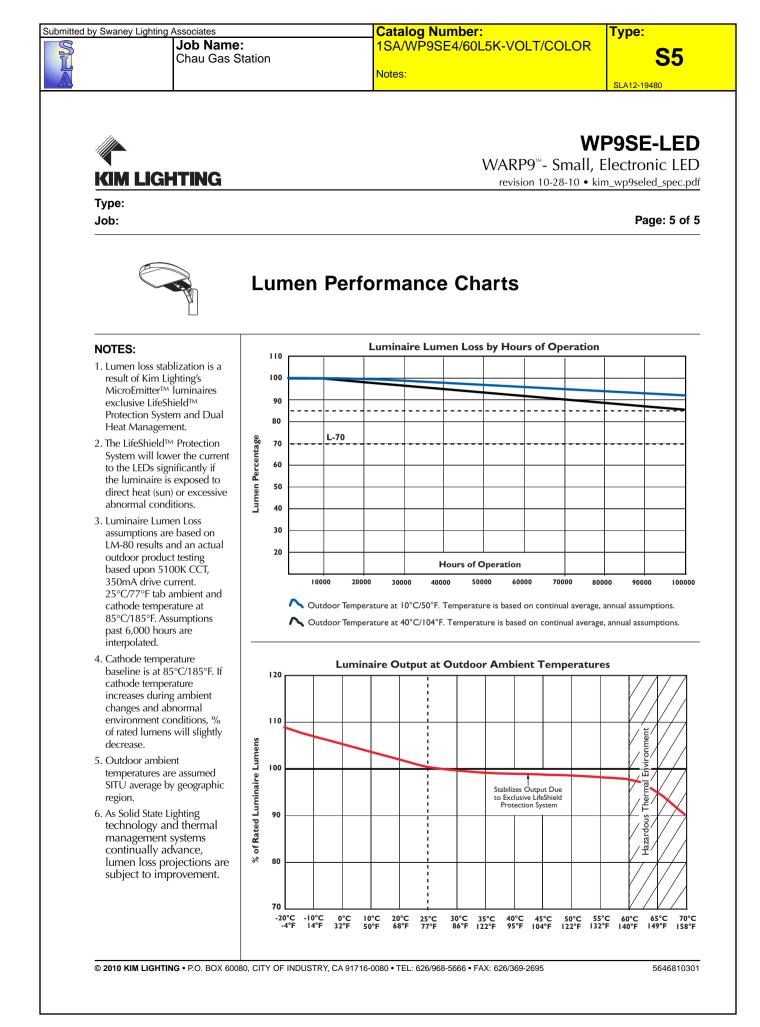
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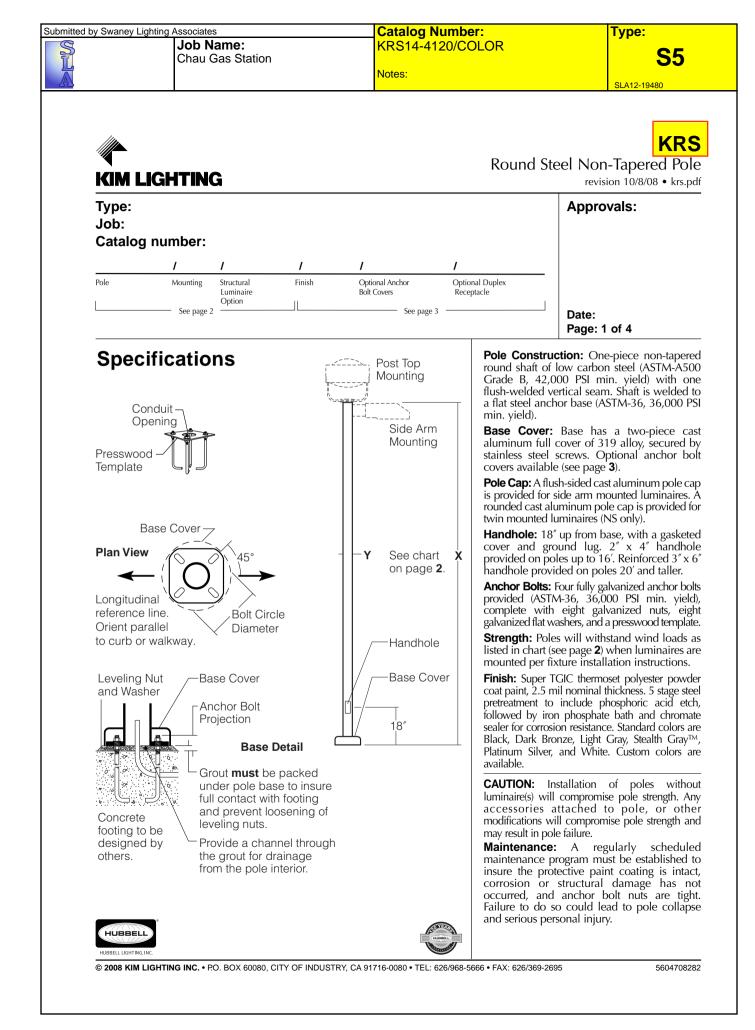
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Job Name Chau Gas S		1SA/WP9SE4/60	L5K-VOLT/COL	OR S
		Notes:		SLA12-19480
KIM LIGHTING Type:			WARP9 [™] - Sma revision 10-28-1	0 • kim_wp9seled_s
Job:				Page:
	Optional Fe	eatures		PLE
Finish Super TGIC powder coat paint over a titanated zirconium conversion coating.	Cat. No.: BL	Dark Bronze Stealth Gra DB DS t to additional charges, . Custom color description	minimum quantities	White Custom
Wall Mounting Cat. No. 1W Select from Mounting on page 2 .	with four bolts (by mounted to the ca attaching to the wal cover plate assembly plate and secured w Field splices are mo	unting plate is mountery others). Fixture a st aluminum cover l mounting plate. The y is hooked to the w ith stainless steel scre ade at the opening ed to match arm and	nd arm are plate before fixture-arm- all mounting ws provided. (1327)	mm) 41/4" 9/16" (108 mm) 9/16"
Fusing (internal only): Cat. No. (see chart at right) No Option	High temperature fus housing. Fuse is includ Line Volts: 120V Cat. No.: SF	e holders factory instal ed. 208V 240V 277 DF DF S	V 34 7 V 480V	/ Single Fus
Photocell Controls Cat. Nos. receptacle □ A-25 Button Volts □ A-30 - 120V □ A-31 - 208V □ A-32 - 240V □ A-33 - 277V	Two types of photocell A receptacle for a NE an internal photocell side of the fixture. Mounting (see page 2)	MA base photocell or button sensor on the	Receptical * • 1A, 1W	Button
 □ A-35 - 347∨ □ A-34 - 480∨ □ No Option 	* – Fixture with PhotocS – slave unit(s)	eII Keceptacle	s 2L	3T, 3Y
Lexan [®] Lens Cat. No. LS No Option	glass lens.	d polymer (Lexan®) repla when vandalism is antic		
Tamper-Resistant Latch Cat. No.	flat socket-head screw	is provided with a capti to prevent unauthorized or vandal protection in l uthorized persons.	opening.	





Submitted by Swaney Lighting A	Associates	Catalog Number:	Type:
	Job Name: Chau Gas Station	KRS14-4120/COLOR Notes:	SLA12-19480

KRS

KIM LIGHTING

Type: Job: Round Steel Non-Tapered Pole revision 10/8/08 • krs.pdf

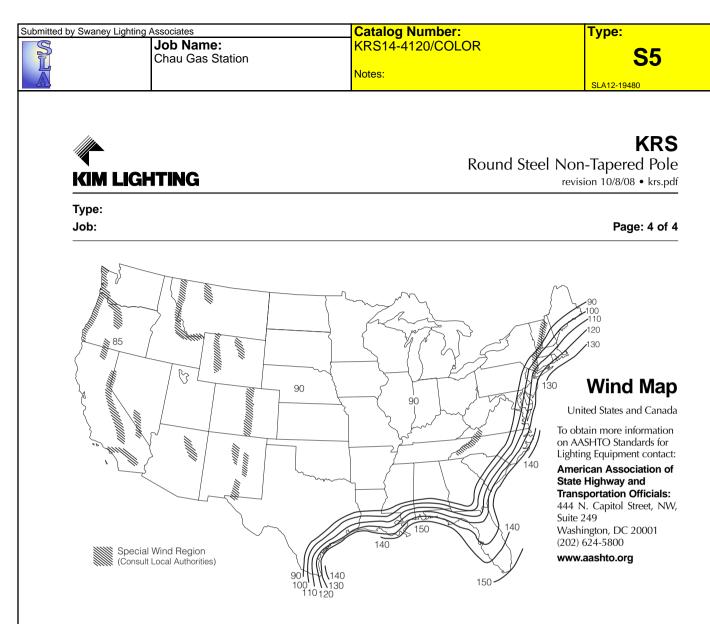
Page: 2 of 4

Standard Features

		Pole Pole Catalog		x	Y		Allow	vable P	ole EP/	4	W	/ind Ma Steady Wind	p _
		Number		^	I	85	90	100	110	120	130	140	150
		C KRS10-4	4120	10′	4″ x 11 ga.	21.61	19.07	17.41	14.07	11.53	9.63	8.22	7.0
		CKRS12-4	4120	12′	4″ x 11 ga.	17.33	15.22	13.84	11.05	8.94	7.28	6.26	5.3
		C KRS14-4	4120	14′	4″ x 11 ga.	14.18	12.37	11.18	8.79	6.98	5.67	4.78	4.0
		C KRS16-4	4120	16′	4″ x 11 ga.	11.72	10.13	9.09	7.01	5.42	4.30	3.58	3.0
		C KRS20-4	4120	19.5′	4″ x 11 ga.	7.77	6.55	5.75	4.13	2.91	2.10	1.65	1.3
		C KRS20-4	4180	19.5′	4″ x 7 ga.	12.67	10.92	9.77	7.46	5.70	4.48	3.70	3.0
- - ·	Y	C KRS20-	5120	19.5′	5″ x 11 ga.	13.57	11.62	10.35	8.26	6.73	5.56	4.65	3.9
		C KRS20-	5180	19.5′	5″ x 7 ga.	21.60	18.79	16.94	13.71	11.31	9.47	8.02	6.8
		C KRS25-	5120	25′	5″ x 11 ga.	8.46	6.97	6.00	4.61	3.63	2.88	2.31	1.8
		C KRS25-	5180	25′	5″ x 7 ga.	14.59	12.44	11.03	8.77	7.12	5.86	4.88	4.1
		C KRS30-	5180	30′	5″ x 7 ga.	9.84	8.12	6.99	5.37	4.23	3.36	2.70	2.1
	— Handhole	Anchor Ba	ase ai	nd Bo	lt Detail Bolt		nchor		chor				
	— Base	Pole	Ро		Circle	l	Bolt	B	olts ize		Cover	Cond Openi	
	Cover	Height	Diam	eter	DIA	Pro	jection	3	120				
ď-/-	Cover	Height 10'-16'	Diam 4		DIA 7″-8½″		jection 33/8"		15" + 3"	-	8″ DIA	3″ DI	-
ď	Cover			"			•	³ /4″ x ²		11.7	-	-	A

Mounting		Flush Mount	Post Top			Side	Arm		
	Plan Views		\bullet	••	●-●	To	••••		••••
	Mounting ¹ :	□ FM	🗆 PT	🗆 A 🗆 SA	🗆 B 🗆 SB		□ T □ ST	□Y□SY	
	mount EPA.	Please ref	er to Kir	m luminaire	vind conditio catalog for sp c Kim lumina	pecific fixture	equal to or g	greater than fi	xture
	Structural TS:Single TD:Dout TR:Truss XTS:Sing XTD:Dou	Luminair e Tension ble Tensio for small gle Tensio uble Tens	for sma for sma n for sn and lai n for 10	 Examples all and large nall and large rge Structura 000W Struct 1000W Struct 	Structural - ge Structural al - KRS20-5 ural - KRS20	KRS20-512(- KRS20-512 120SB-TR 0-5120B-XTS 20-5120B-XTS	20B-TD		
© 2008 KIM LIGHTING	G INC. • P.O. BOX 60	080, CITY O	F INDUST	RY, CA 91716-0	080 • TEL: 626/9	68-5666 • FAX: 6	26/369-2695		5604708282

KIM LIGHTING Type: Job:		revision 10/8/08 • krs. Page: 3 o
Standard and (Optional Features	
Finish Super TGIC powder coat paint over an iron phosphate bath, chromate sealed metal pretreatment.	Ŭ , , ,	Platinum Silver White Custom Co PS WH CC PLEASE ADVISE COLOI quantities and extended lead time
Optional Anchor Bolt Covers Cat. No. BC4 BC5 No Option	 (Full base cover is standard.) Four cast aluminum anchor bolt covers finished to match pole, fastened to base with stainless steel screws. 4" pole Bolt Covers (BC4) 5" pole Bolt Covers (BC5) 	h
Optional Duplex Receptacle Cat. No. DR DR-GFI No Option	Mounted opposite the handhole, at 22½" from base o is internally welded and sealed with a gasketed self-closir Duplex Receptacle (DR) rated 20A., 125V. Duplex Receptacle with Ground Fault Circuit Interru	ng cover and locking bracket.



- Values are based on 50 year mean recurrence interval 30' above grade.
- Hawaii has an **105 mph** wind velocity.
- Puerto Rico has a 125 mph wind velocity.
- Caution must be exercised in determining wind velocities in special wind areas such as:

Mountainous Regions

Areas surrounding the Great Lakes or other large bodies of water or open land.

Areas subject to extreme wind conditions, such as hurricanes, typhoons, cyclones, and tornadoes.

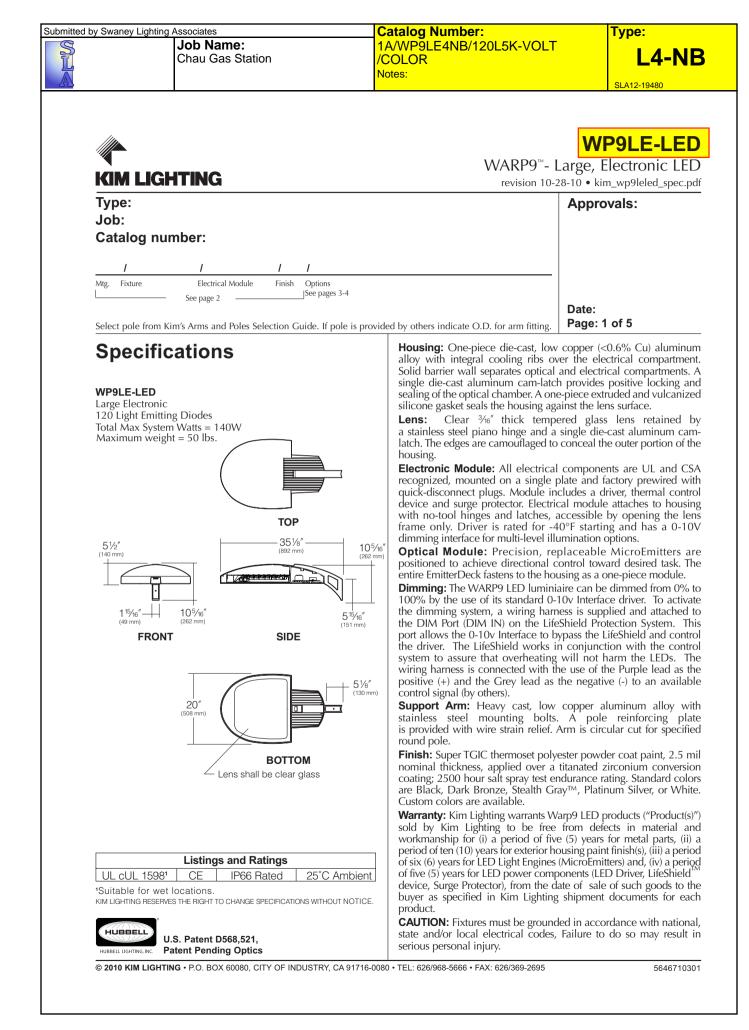
Areas adjacent to airports.

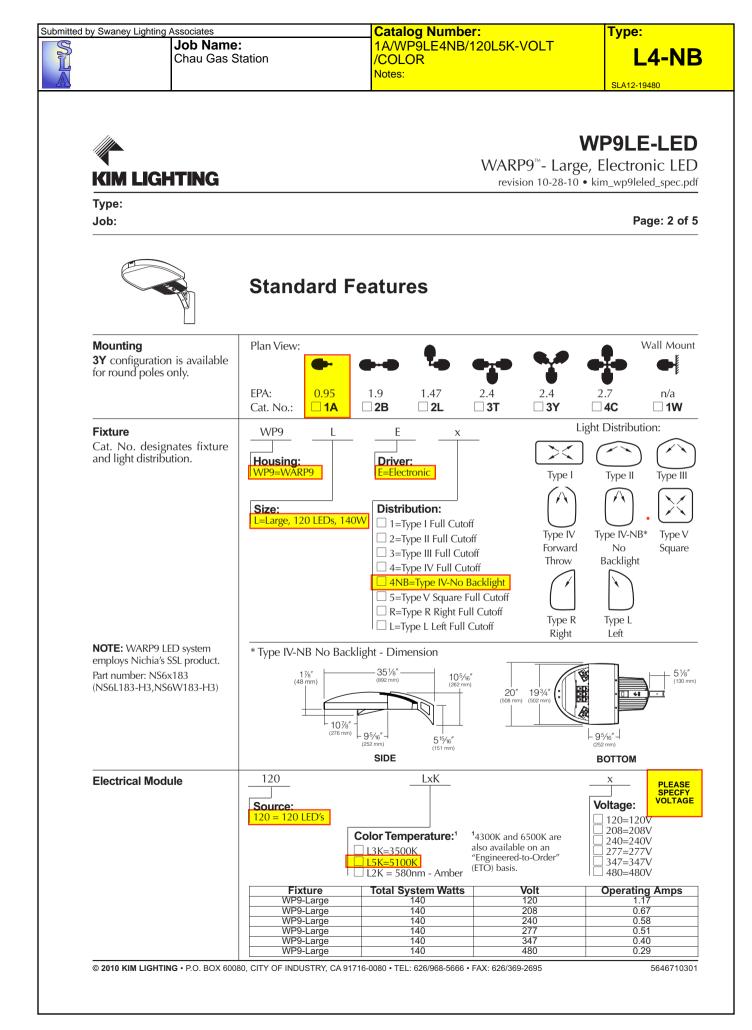
Any specific area with a known or suspected abnormally high intermittent wind condition caused by geography, adjacent structures, or other specific local conditions that may not be recorded in National Weather Service records.

• Allowable pole EPA for jobsite wind conditions must be equal to or greater than fixture EPA. Responsibility lies with the specifier for correct pole selection based on AASHTO wind map and job location.

- The Wind Map is intended only as a general guide. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application.
- **CAUTION:** 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 AASHTO standards.
- Extreme Wind Events: Hurricanes, Typhoons, Cyclones, or Tornadoes expose poles to flying debris, wind shear, and other unpredictable aerodynamic forces not indicated by the wind velocity ratings.
- Pole Strength Limited Warranty: Standard, unmodified Kim lighting Poles installed as recommended, undamaged by corrosion, or lack of maintenance, shall withstand steady wind conditions as provided on page 2 (Allowable Pole EPA). Installation of poles without luminaires, or attachment of any unauthorized accessories to poles shall void this warranty.

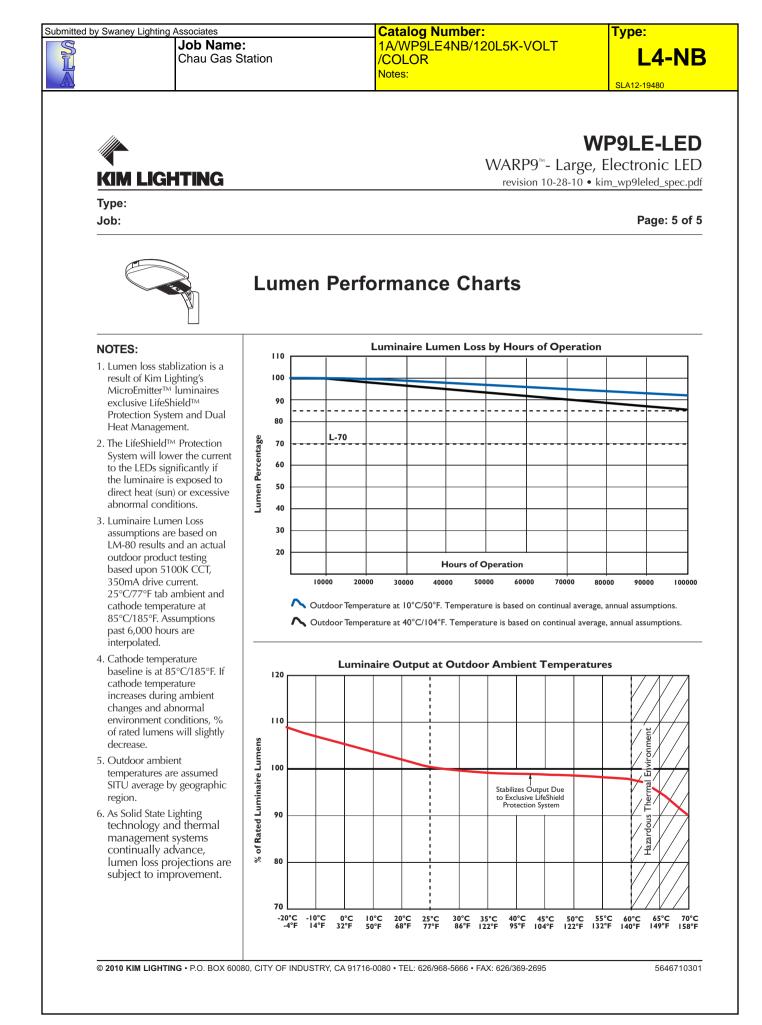
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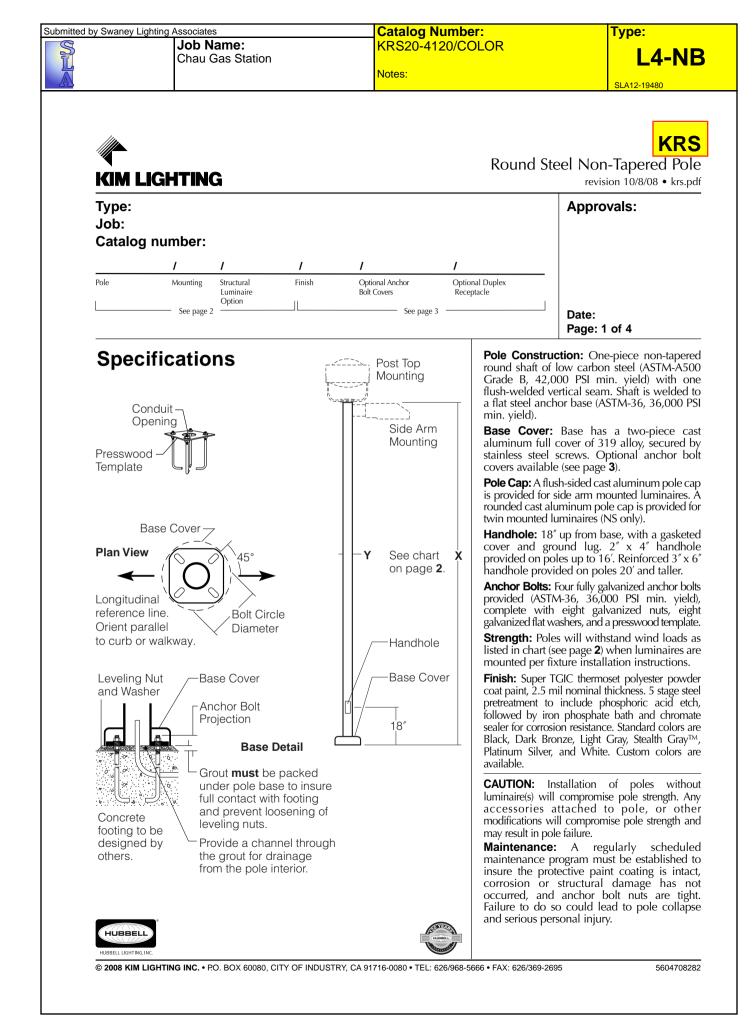




by Swaney Lighting Associates Job Name Chau Gas		Catalog Number: 1A/WP9LE4NB/12 /COLOR	20L5K-VOLT	туре: L4-
		Notes:		SLA12-19480
			WARP9 [™] - Large	WP9LE-LI e, Electronic I • kim_wp9leled_spe
Type: Job: 				Page: 3
	Optional F	eatures	PLE	
Finish Super TGIC powder coat paint over a titanated zirconium conversion coating.	Color: Black Cat. No.: D BL ² Custom colors subj Consult representati	Dark Bronze Stealth Gray ¹ DB SG ject to additional charges, n ve. Custom color descriptior	Melatinum Silver W ■ PS ■ ninimum guantities ar	/hite Custom C] WH 🗌 CC
Wall Mounting Cat. No. 1W Select from Mounting on page 2 .	with four bolts mounted to the attaching to the w cover plate assem plate and secured Field splices are	nounting plate is mounted (by others). Fixture an cast aluminum cover p vall mounting plate. The bly is hooked to the wa with stainless steel screw made at the opening ir ished to match arm and fi	Id arm are plate before fixture-arm- Il mounting vs provided. n the cover	Cover Plate
Fusing (internal only): Cat. No. (see chart at right) Image: Display the second seco	High temperature fu housing. Fuse is inclu Line Volts: 120V Cat. No.: SF	use holders factory installed uded. 208V 240V 277V DF DF SF	347V 480V	Single Fu
Photocell Controls cat. Nos. receptacle □ A-25 Line Button Volts □ A-30 - 120V □ A-31 - 208V □ A-32 - 240V □ A-33 - 277V □ A-35 - 347V □ A-34 - 480V □ No Option	A receptacle for a N		Receptical A, 1W S 2L Receptical	Button Button 2B 3T, 3Y 40
Polycarbonate Lens Cat. No. LS No Option	lens.	arbonate lens replaces standa / when vandalism is anticipa		polycarbonate let
Tamper-Resistant Latch Cat. No. TL No Option	steel flat socket-head NOTE: Required or	ch is provided with a capti screw to prevent unauthoriz nly for vandal protection ir ed by unauthorized persons.	zed opening. n locations where	amper Resistant Lato

Chau Gas S	station	/COLOR Notes:	3/120L5K-VOLT	L4- SLA12-19480
KIM LIGHTING			WARP9 [™] - La revision 10-28	WP9LE-L arge, Electronic -10 • kim_wp9leled_s
Job:				Page:
	Optional	Features		
Horizontal Slipfitter Mount Cat. No. HSF No Option	fitter to adapt to a h (2 ³ %" OD). The c accommodate da Horizontal pipe mu	nounting arm with a cast iorizontal 2″ pipe-size mo casting has a 5° adjus vit arms that are not h ust be field drilled at one against fixture rotation	unting end stment to orizontal. e set screw Finish to Davit-an	m with 2" pipe-size nount (by others)
Vertical Slipfitter Mounts Cat. No. includes Mounting Cat. No. (See right) No Option	tenon (2¾" OD). M Specify configuratic cap. Finish to match	Stainless Steel set	Cat. No. Cat. No. SVSF-1SA SVSF-2SB SVSF-2SL SVSF-3ST	
Special Options for Street Lighting Cat. No. TB	clamp terminal bloc	B): For field wire connect the mounted to the housing ry prewired to electrical r	g inside the electrical o	compartment. Accepts
Dimming Controls	develop a variety o advise availability o	orking with several drive f proven turnkey solutions of complete control packa ed and exceed Kim's high ities.	to meet any applicat ges, and even two-wa	ion's need. Kim Lighti ay monitoring system





Submitted by Swaney Lighting A	Associates	Catalog Number:	Type:
	Chau Gas Station	KRS20-4120/COLOR Notes:	L4-NB

KRS

Page: 2 of 4

《 KIM LIGHTING

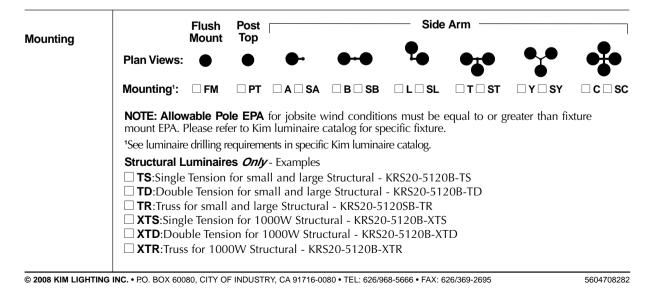
Round Steel Non-Tapered Pole revision 10/8/08 • krs.pdf

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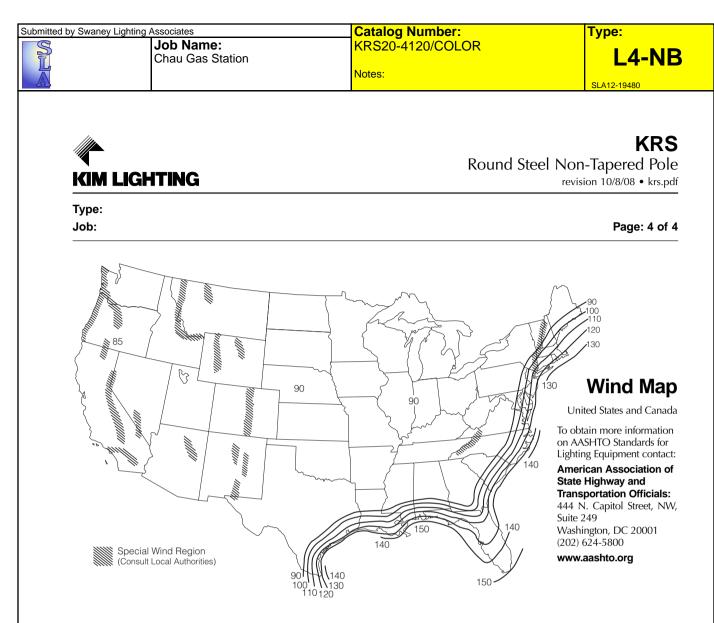
Job:

Standard Features

Π		Pole Pole Catalog		х	Y		Allow	vable P	ole EP/	4	W	/ind Ma Steady Wind	p _
		Number		~		85	90	100	110	120	130	140	150
		C KRS10-	4120	10′	4″ x 11 ga.	21.61	19.07	17.41	14.07	11.53	9.63	8.22	7.09
		C KRS12-	4120	12′	4″ x 11 ga.	17.33	15.22	13.84	11.05	8.94	7.28	6.26	5.37
		C KRS14-	4120	14′	4″ x 11 ga.	14.18	12.37	11.18	8.79	6.98	5.67	4.78	4.06
		C KRS16-	4120	16′	4″ x 11 ga.	11.72	10.13	9.09	7.01	5.42	4.30	3.58	3.01
		C KRS20-	41 20	19.5′	4″ x 11 ga.	7.77	6.55	5.75	4.13	2.91	2.10	1.65	1.31
		C KRS20-	4180	19.5′	4″ x 7 ga.	12.67	10.92	9.77	7.46	5.70	4.48	3.70	3.09
- Y		C KRS20-	5120	19.5′	5″ x 11 ga.	13.57	11.62	10.35	8.26	6.73	5.56	4.65	3.93
		C KRS20-	51 80	19.5′	5″ x 7 ga.	21.60	18.79	16.94	13.71	11.31	9.47	8.02	6.86
		C KRS25-	5120	25'	5″ x 11 ga.	8.46	6.97	6.00	4.61	3.63	2.88	2.31	1.87
		C KRS25-	5180	25′	5″ x 7 ga.	14.59	12.44	11.03	8.77	7.12	5.86	4.88	4.10
		C KRS30-	5180	30′	5″ x 7 ga.	9.84	8.12	6.99	5.37	4.23	3.36	2.70	2.18
	-Handhole	Anchor B	ase a	nd Bo									
	– Base Cover	Pole Height		ole neter	Bolt Circle DIA	l	nchor Bolt jection	В	chor olts ize		Cover ize	Cond Openi	
Ű / —		10′-16′	4	1″	7″-8½″		3¾″	3⁄4″ x `	15" + 3"	11.7	's" DIA	3″ DI	A
/	18″	19.5′	2	4″	7″-8½″		3³⁄8″	3⁄4″ x 3	30" + 4"	11.7	8" DIA	3″ DI	A
<u> </u>		19.5′ - 30′	C.	5″	71/2"-81/2	"	33/8"	3//" v	30'' + 4''	117	8" DIA	3″ DI	٨



K im L	IGHTING			Kound Stee	el Non-Tapered Por revision 10/8/08 • krs
Type: Job:					Page: 3 d
Stan	dard and C	Optional Fe	atures		
paint over	GIC powder coat r an iron phosphate omate sealed metal ent.	Cat. No.: BL	DB 🗌 LG	Stealth Gray™ Platinum S SG s, minimum quantities ption:	WH CC PLEASE ADVISE COLO s and extended lead time
Optional Covers Cat. No.	Anchor Bolt BC4 BC5 No Option		anchor bolt covers finitie with stainless steel sci s (BC4)		
Optional Receptac Cat. No.	le	is internally welded Duplex Receptacle	and sealed with a gaske : (DR) rated 20A., 125V	ted self-closing cover a	a cast aluminum box and locking bracket. - GFI) rated 20A., 125V.



- Values are based on 50 year mean recurrence interval 30' above grade.
- Hawaii has an **105 mph** wind velocity.
- Puerto Rico has a 125 mph wind velocity.
- Caution must be exercised in determining wind velocities in special wind areas such as:

Mountainous Regions

Areas surrounding the Great Lakes or other large bodies of water or open land.

Areas subject to extreme wind conditions, such as hurricanes, typhoons, cyclones, and tornadoes.

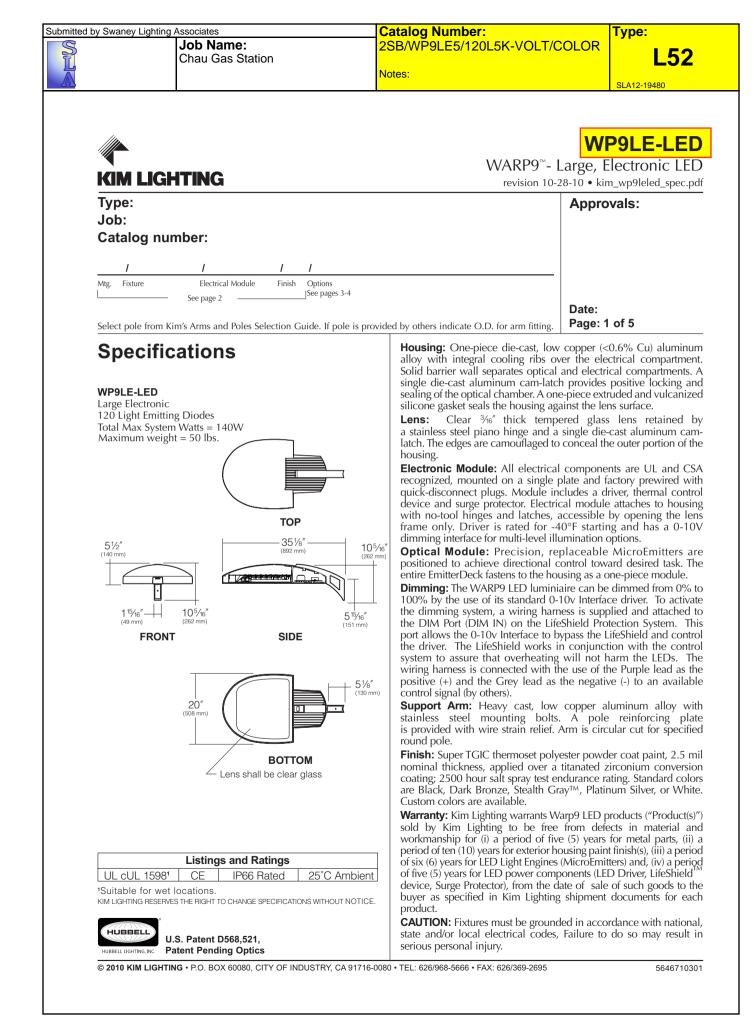
Areas adjacent to airports.

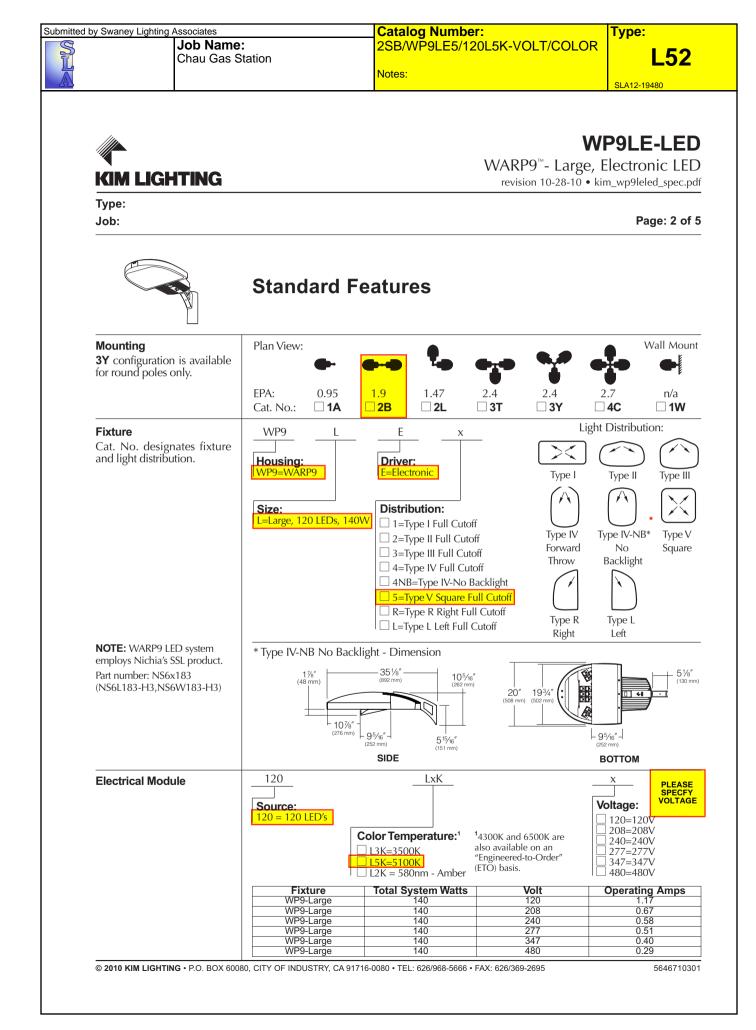
Any specific area with a known or suspected abnormally high intermittent wind condition caused by geography, adjacent structures, or other specific local conditions that may not be recorded in National Weather Service records.

• Allowable pole EPA for jobsite wind conditions must be equal to or greater than fixture EPA. Responsibility lies with the specifier for correct pole selection based on AASHTO wind map and job location.

- The Wind Map is intended only as a general guide. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application.
- **CAUTION:** 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 AASHTO standards.
- Extreme Wind Events: Hurricanes, Typhoons, Cyclones, or Tornadoes expose poles to flying debris, wind shear, and other unpredictable aerodynamic forces not indicated by the wind velocity ratings.
- Pole Strength Limited Warranty: Standard, unmodified Kim lighting Poles installed as recommended, undamaged by corrosion, or lack of maintenance, shall withstand steady wind conditions as provided on page 2 (Allowable Pole EPA). Installation of poles without luminaires, or attachment of any unauthorized accessories to poles shall void this warranty.

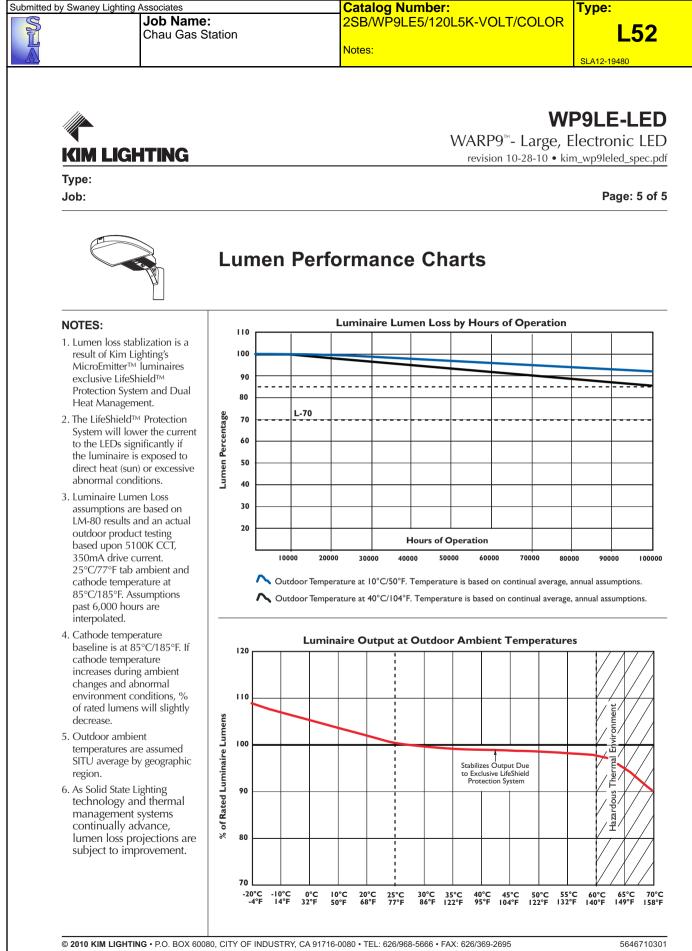
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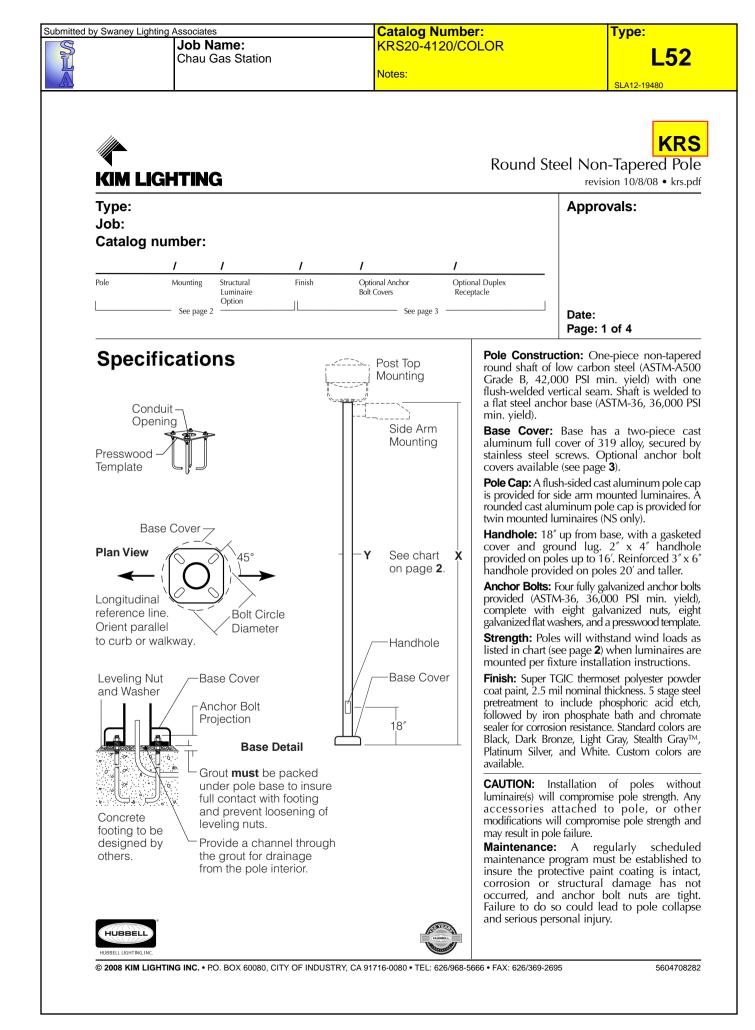




		Notes:		SLA12-19480
KIM LIGHTING			W WARP9 [™] - Large, revision 10-28-10 •	
Type: Job: 				Page: 3
	Optional	Features	PLEA	SE SPECIFY COLOR
Finish Super TGIC powder coat paint over a titanated zirconium conversion coating.	Color: Black Cat. No.: D BL ² Custom colors su Consult represent	Dark Bronze Stealth Gra DB SG ubject to additional charges, ative. Custom color description	y™ Platinum Silver Wh □ PS □ V minimum quantities and on:	VH 🗆 CC
Wall Mounting Cat. No. 1W Select from Mounting on page 2 .	with four bolts mounted to the attaching to the cover plate asse plate and secure Field splices ar	n mounting plate is mount s (by others). Fixture a e cast aluminum cover wall mounting plate. The embly is hooked to the w ed with stainless steel scree e made at the opening inished to match arm and	nd arm are plate before all mounting ws provided.	Cover Plate
Fusing (internal only): Cat. No. (see chart at right) Image: Cate of the second seco	High temperature housing. Fuse is in Line Volts: 120\ Cat. No.: S	√ 208V 240V 277V	√ 347V 480V	Single F
Photocell Controls Cat. Nos. receptacle □ A-25 Line Button Volts □ A-30 - 120V □ A-31 - 208V □ A-31 - 208V □ A-32 - 240V □ A-33 - 277V □ A-35 - 347V □ A-34 - 480V □ No Option	Two types of photo A receptacle for a an internal photo side of the fixture. Mounting (see pag * – Fixture with Ph S – slave unit(s)	ocell controls are available. a NEMA base photocell or ocell button sensor on the ge 2) notocell Receptacle	Receptical * • * * 1A, 1W * • * 2L 3	Button 2B T, 3Y 4
Polycarbonate Lens Cat. No. 🗌 LS 🗌 No Option	lens.	ycarbonate lens replaces stan nly when vandalism is anticip	ented to be high. For	polycarbonate le
Tamper-Resistant Latch Cat. No. TL No Option	steel flat socket-he NOTE: Required	latch is provided with a cap ad screw to prevent unauthor only for vandal protection ched by unauthorized persor	rized opening. in locations where	nper Resistant Lat

KIM LIGHTING			WARP9 [™] - La revision 10-28	WP9LE- arge, Electroni 8-10 • kim_wp9leled_
Type: Job:				Page
	Optional I	Features		
Horizontal Slipfitter Mount Cat. No. HSF No Option	fitter to adapt to a h (2 ³ / ₈ " OD). The c accommodate day Horizontal pipe mu	nounting arm with a co orizontal 2″ pipe-size r asting has a 5° ad vit arms that are not ist be field drilled at co against fixture rotati	mounting end justment to t horizontal. one set screw ion Finish to Davit-an	m with 2" pipe-size nount (by others)
Vertical Slipfitter Mounts Cat. No. includes Mounting Cat. No. (See right) No Option	tenon (2¾" OD). Mi Specify configuratio cap. Finish to match	nimum 4" tenon length n (1SA, 2SB, 2SL, 3ST, fixture and arm. lable on round slipfitte Stainless steel set screws	, 3SY, 4SC) 4" round or	
Special Options for Street Lighting Cat. No. TB	clamp terminal bloc	k mounted to the hous	nections in the Large mo sing inside the electrical c al module quick-disconn	compartment. Accep
Dimming Controls	develop a variety of advise availability o	f proven turnkey solution f complete control page and exceed Kim's high	iver suppliers and contr ons to meet any applicat ckages, and even two-wa gh quality standards. Con	tion's need. Kim Ligh ay monitoring syster





Submitted by Swaney Lighting A	Associates	Catalog Number:	Type:
	Job Name: Chau Gas Station	KRS20-4120/COLOR Notes:	L52 SLA12-19480

LA12-19400

KRS

KIM LIGHTING

Round Steel Non-Tapered Pole revision 10/8/08 • krs.pdf

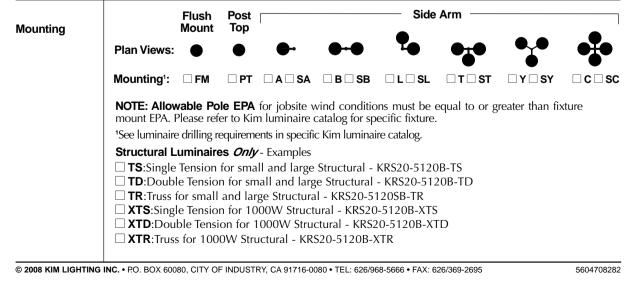
Type: Job:

Page: 2 of 4

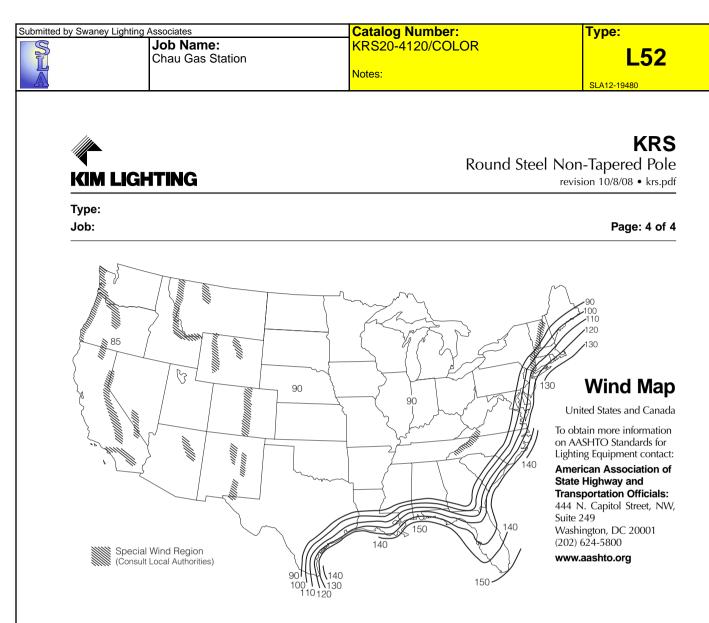
Standard Features

NOTE: All allowable pole and fixture EPAs are derived from the AASHTO standard. Responsibility lies with the specifier for correct pole selection based on local codes and standards for the job location. (See page **4**).

]	Pole Pole Catalog	х	Y		Allow	vable P	ole EP/	4	W	/ind Ma Steady Wind	р _
	Number	~	I	85	90	100	110	120	130	140	15
	C KRS10-4	120 10′	4″ x 11 ga.	21.61	19.07	17.41	14.07	11.53	9.63	8.22	7.0
	C KRS12-4	120 12'	4″ x 11 ga.	17.33	15.22	13.84	11.05	8.94	7.28	6.26	5.3
	C KRS14-4	120 14′	4″ x 11 ga.	14.18	12.37	11.18	8.79	6.98	5.67	4.78	4.0
	C KRS16-4	120 16'	4″ x 11 ga.	11.72	10.13	9.09	7.01	5.42	4.30	3.58	3.0
	C KRS20-4	120 19.5′	4″ x 11 ga.	7.77	6.55	5.75	4.13	2.91	2.10	1.65	1.3
	CKRS20-4	180 19.5′	4″ x 7 ga.	12.67	10.92	9.77	7.46	5.70	4.48	3.70	3.0
– Y	C KRS20-5	120 19.5′	5″ x 11 ga.	13.57	11.62	10.35	8.26	6.73	5.56	4.65	3.9
	C KRS20-5	180 19.5′	5″ x 7 ga.	21.60	18.79	16.94	13.71	11.31	9.47	8.02	6.8
	C KRS25-5	120 25'	5″ x 11 ga.	8.46	6.97	6.00	4.61	3.63	2.88	2.31	1.8
	C KRS25-5	180 25'	5″ x 7 ga.	14.59	12.44	11.03	8.77	7.12	5.86	4.88	4.1
	C KRS30-5	180 30′	5″ x 7 ga.	9.84	8.12	6.99	5.37	4.23	3.36	2.70	2.1
Handhole	Anchor Ba Pole Height	ise and Bo Pole Diameter	olt Detail Bolt Circle DIA	I	nchor Bolt jection	В	chor olts ize		Cover	Cond Open	
Cover					33⁄8″	3/4″ x	15" + 3"	11.7	8" DIA	3″ DI	A
	10'-16'	4″	7″-8½″		378	/ - A					
		4″ 4″	7″-8½″ 7″-8½″		3 ³ ⁄8″		30" + 4"	11.7	8" DIA	3″ DI	A



////					KR
			Round	l Steel Non-Tape	ered Po
	LIGHTING			revision 10/8	8/08 • krs
Type: Job:				Р	age: 3 d
Finish Super To	GIC powder coat		ark Bronze Light Gray Stealth Gray™ Pla		Custom Co
paint ove bath, chr pretreatm	er an iron phosphate romate sealed metal nent.	¹ Custom color subje Consult representat	ect to additional charges, minimum qu ive. Custom color description:	PLEASE AD	
Optiona Covers Cat. No.	I Anchor Bolt BC4 BC5 No Option		anchor bolt covers finished to match se with stainless steel screws. (BC4)		
Optiona Recepta Cat. No.	cle	is internally welded Duplex Receptacle	the handhole, at 22½″ from base of p and sealed with a gasketed self-closing o e (DR) rated 20A., 125V. e with Ground Fault Circuit Interrupto	cover and locking brac	ket.



NOTES:

- Values are based on 50 year mean recurrence interval 30' above grade.
- Hawaii has an 105 mph wind velocity.
- Puerto Rico has a 125 mph wind velocity.
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Areas subject to extreme wind conditions, such as hurricanes, typhoons, cyclones, and tornadoes.

Areas adjacent to airports.

Any specific area with a known or suspected abnormally high intermittent wind condition caused by geography, adjacent structures, or other specific local conditions that may not be recorded in National Weather Service records.

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Submitted by Swaney Lighting Associates



Job Name: Chau Gas Station Catalog Number: UCL-LED-60-G-700-UNV

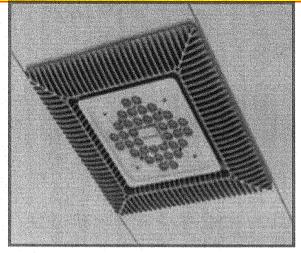
Notes:

Type:

SLA12-19480

C1

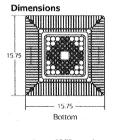
UCL LED RECESSED CANOPY LIGHT

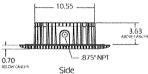


Petroleum marketers have long recognized the critical role outdoor lighting plays in attracting customers in a highly competitive marketplace. Now you can maximize your visibility with brilliant canopy illumination and set your location apart with the UCL LED recessed petroleum canopy luminaire. With an ultra thin profile, the UCL LED luminaire is capable of producing greater than 11,000 lumens of delivered light at a power consumption of less than 145 watts. Lumen packages with efficacies up to 85 lumens per watt are available in several standard IES and application specific light patterns. Whether it is new construction or retrofit applications, UCL LED gives you the solution to your retail petroleum lighting needs.

Fixture Specifications

- Made from low-copper marine grade cast aluminum
- The UCL LED optical assembly is designed to exceed IP65 design standards allowing for light hose down cleaning
- Application specific optics maximize energy efficiency by focusing illumination on key areas and preventing wasted light
- The unique all inclusive housing provides an integral wiring and driver compartment for ease of installation
- Replaceable LED module enables future upgrades and service for the LED light engine
- Thermal frame technology provides state of the art passive cooling in the most demanding environments





Ordering and Technical Information Sample Catalog Number

JCL LED	XX		G	XXX	XXX	XXX	5К	XX
Series	LED Out	antity	LED Type	LED Driver	Voltage	Optics	Color Temp.	Color
RIES	UCL LED				OPTICS (S CV	PECIALDIV & LES		
					ASY	Concentrated Ty Concentrated As		
D OUAN	24 LEDs				SYM	Concentrated Sy	mmetric	
	36 LEDS				IV IV	IESNA Type II IESNA Type IV		Ayntelizindyna yn telenalen ar an antary fa carpa
	60 LEDs				V	IESNA Type V		*****
101107225					(e)e)ie);detc)	MPERATURE		
	High-Output C	REE XP-G			5K	5000K, 75 CRI		
Date 1: Java					COLOR			
0	700mA				WH	White		
					OTHER	(Consult Factory)	where drives a second second second second
<mark>IV</mark>	Universal 120-	277 V						
7	347 V 480 V	· · · · · · · · · · · · · · · · · · ·						
U	[480 V			territory-roop response and the second				
817	6							
1 100	I PPINO							
1.11								
	TEMS	A HUBBELL LIGHTING, IN	COMPANY					
Perform	nance Designed	l Lighting Pr	oducts				www.se	curitylighting.com
108	5 Johnson Dri	ve • Buffalc	Grove IL 600	89 • TOLL-FREE: 800	544-4848 .	PHONE 847-279	2 0677 . EAV. 947	270 06/2

Submitted by Swaney Lighting Associates



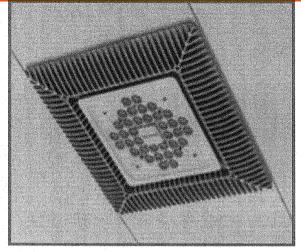
Job Name: Chau Gas Station Catalog Number: UCL-LED-36-G-700-UNV

Notes:

Туре:

C2

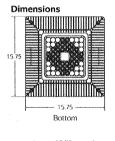
UCL LED RECESSED CANOPY LIGHT

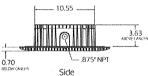


Petroleum marketers have long recognized the critical role outdoor lighting plays in attracting customers in a highly competitive marketplace. Now you can maximize your visibility with brilliant canopy illumination and set your location apart with the UCL LED recessed petroleum canopy luminaire. With an ultra thin profile, the UCL LED luminaire is capable of producing greater than 11,000 lumens of delivered light at a power consumption of less than 145 watts. Lumen packages with efficacies up to 85 lumens per watt are available in several standard IES and application specific light patterns. Whether it is new construction or retrofit applications, UCL LED gives you the solution to your retail petroleum lighting needs.

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- Application specific optics maximize energy efficiency by focusing illumination on key areas and preventing wasted light
- The unique all inclusive housing provides an integral wiring and driver compartment for ease of installation
- Replaceable LED module enables future upgrades and service for the LED light engine
- Thermal frame technology provides state of the art passive cooling in the most demanding environments





Ordering and Technical Information Sample Catalog Number

UCL LED		XX 	G	XXX	жжж 	XXX	5K	жх
Series	LED	Quantity	LED Type	LED Drive	r Voltage	Optics	Color Temp.	Color
	UCLLED				OPTICS (S CV	PEGIAINY 22 IES		
					ASY	Concentrated N Concentrated A	/pe V (Standard)	
ID OUAF		A BARRAN			SYM	Condentrated S		
1 5	24 LEDs 36 LEDs				II IV	IESNA Type II		
)	60 LEDs				V	IESNA Type IV IESNA Type V		
D TYPE		ut CREE XP-G			5K	5000K, 75 CRI		
				Carrier Contractor Contra	Lon	15000K, 75 CRI		*****
D DRIV					COLOR			
00	700mA	an a			WH OTHER	White (Consult Factory	<u>ر</u>	
OLTACIE					OTHER	IICONSULTATION	<u>()</u>	******
NV 47	Universal 1 347 V	20-277 V						
30	480 V							
~ 1 >	****			ที่ที่สารีที่สาร่างหมายครามสารครามสารคราม				
RIY	fo .							
1 10	Imme							
-	STEMS	A HUBBELL LIGHTING, IN						
Perfor	mance Desig	ned Lighting Pro	oducts				www.sec	uritylighting.com
105	35 Johnson	Drive • Buffalc	Grove II 60	ASQ • TOUL COCC.	000 576 A040 .	DUONE 047 37	9-0627 • FAX: 847-	270 0642

Submitted by Swaney Lighting Associates

Job Name: Chau Gas Station

Catalog Number: LF6LED-6LFLED540KTRG

Notes:

C3



APPLICATIONS:

Liteframe LF6LED is a 6" commercial grade LED downlight that utilizes remote phosphor technology to obtain color consistency, energy savings, and low maintenance costs. 50,000 hours minimum life up to 40°C (104° F) in open plenum applications.

HOUSING:

One-piece 22 gauge non-corrosive steel platform. Pre-wired J-box with snap-on cover for easy access. Snap-in connection from driver compartment allows easy installation of light engine/trim assembly without tools above or below the ceiling and can be upgraded to accommodate technology improvements. Approved for 8 (4 in/4 out) No. 12 AWG conductors rated for 90°C through wiring.

REFLECTOR:

High purity aluminum, Alzak, iridescence suppressed, semi-diffuse reflector. Self-trim standard. Painted white self-trim (WT) available as option

LED LIGHT ENGINE:

The LF6LED uses the Philips Fortimo DLM LED Module with remote phosphor technology. This technology provides controlled color consistency from fixture to fixture. The system is designed for optimal life and lumen maintenance (50,000 hours at 70% lumen maintenance). Both reflector and light engine assembly are mechanically retained to housing. The light engine comes standard with 80 CRI in all Kelvin temperatures.

6" LED Downlight LF6LED 120V-277V 0-10V Dimming

LED DRIVER:

The LF6LED utilizes the Philips Fortimo LED Driver specifically designed to optimize efficiency of the Fortimo DLM Module. Driver is designed to match the 50,000 hour minimum life expectancy of the system. Meets UL Class 2, inherent short circuit protection, self limited, overload protected. If critical temperatures are reached on driver or LED module, integrated thermal feedback loop will gradually reduce current to protect system life. Driver is universal 120V-277V.

DIMMING:

Comes standard with 0-10V dimming capability. Flicker-free dimming to 10%. See list of compatible dimmers on pg. 4. For sizing of the controls, the dimming circuit requires up to 1mA.

INSTALLATION:

Light commercial bar hangers included. Universal adjustable mounting brackets also accept 1/2" EMT conduit or 11/2" or 3/4" lathing channel (by others) or Prescolite 24" bar hangers (B24 or B6). Wall wash orientation may be field adjusted in 90° increments to housing

CERTIFICATIONS:

CSA certified to US and Canadian safety standards. Suitable for wet locations. EM is damp locations CSA US only. Approved for through wiring. Non-IC rated.

WARRANTY:

5 year warranty. See www.prescolite.com for details. Warranty for EM Battery handled directly DATE

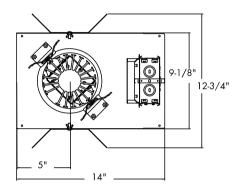
FIRM NAME:

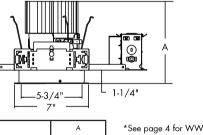
PROJECT:

iteFrame

Ceiling Cutout: 6¼ Maximum Ceiling Thickness 11/4" For conversion to millimeters, multiply inches by 25.4 Not to Scale

TYPE





6-3/4"

7-3/4"

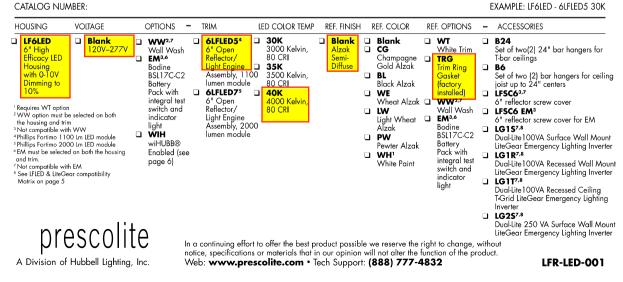
6LFLED5

6LFLED7

line art *See page 5 for EM line art

EXAMPLE: LF6LED - 6LFLED5 30K

Order housing, reflector, and accessories separately



Chau Gas Station

Notes:

SLA12-19480

C3

PHOTOMETRIC DATA

LiteFrame - 6" LF6LED Downlight

DRIVER DATA	LF6LED5 30K	LF6LED5 35K	LF6LED5 40K	LF6LED7 30K	LF6LED7 35K	LF6LED7 40K
Input Voltage	120-277V	120-277V	120-277V	120-277V	120-277V	120-277V
Input Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Input Current	0.146A (120v)	0.156A (120v)	0.137A (120v)	0.30A (120v)	0.28A (120v)	0.28A (120v)
	0.063 (277v)	0.067 (277v)	0.059 (277v)	0.13 (277v)	0.12 (277v)	0.12 (277v)
Input Power	17.3W	18.5W	16.3W	36W	34W	33W
Constant Current Output		200–700mA	200–700mA	200–700mA	200–700mA	200–700mA
Power Factor	≥0.90	≥0.90	≥0.90	≥0.90	≥0.90	≥0.90
THD	<20%	<20%	<20%	≥0.90 <20%	<20%	≥0.90 <20%
		FCC 47CFR				
EMI Filtering	FCC 47CFR		FCC 47CFR	FCC 47CFR	FCC 47CFR	FCC 47CFR
	Part 15, Class A	Part 15, Class A	Part 15, Class A	Part 15, Class A	Part 15, Class A	Part 15, Class A
Operating Temperature		-20°C to 55°C	-20°C to 55°C	-20°C to 55°C	-20°C to 55°C	-20°C to 55°C
Dimming Over-voltage, over-currei	0-10V	0-10V	0-10V	0-10V	0-10V	0-10V
	n, snori-circuit protecte		ZONAL LUM			
F6LED 6LFLED5 30K			ZONE II.	IMENS %LUMINAIRE	SQ. METER	
ED Light Engine: 3000			0-30	466 52.4	Angle in Vertical	Average - 0°
ystem Wattage: 17.3V ixture Delivered Lumen			0-40	749 84.2	45°	14936
ixture Efficacy: 51	3. 070		0-40	889 99.9	55°	312
pacing Criteria: 1.2			0-90	890 100.0	65°	0
			90-180	0.0	75°	0
		ANDELA DISTRIBUTIO	0.100	890 100.0	85°	0
		G CANDELA LUM		COEFFICIENTS OF UTILIZ	ZATION Zonal Cavit	v Method
	750		ENJ	% Effective F	loor Cavity Reflectance	y momed
200	/) 541 5 548 5	3	80% 70%	50% 30%	10%
			3 54	E 20% LINECITYE THO	or Cavity Reflectance	
			50		Vall Reflectance 10 50 30 10 50 30 10 5	50 30 10
	\	5 459 28		1 113 110107 105 110108105	103 104 102 100 100 98 97	96 95 94
400			34	2 107 101 97 93 104 99 95 3 100 93 88 83 98 92 87		90 88 86 84 81 79
	Z 145°	5 3 5		4 94 86 80 75 92 85 79	74 82 77 74 80 76 73	78 75 72
				5 89 79 73 68 87 78 72 6 83 73 66 62 82 72 66		73 69 66 68 64 60
600		5 0 0		7 78 68 61 56 77 67 61 8 74 63 56 52 72 62 56	56 66 60 56 64 59 55	63 59 55 59 54 51
	\rightarrow .	5 0 0		9 69 59 52 47 68 58 52	47 57 51 47 56 51 47	55 50 47
)	10 66 55 48 44 64 54 48	44 53 48 44 52 47 43	52 47 43
0° 15°	30	0 0 0				
Test No. 3264	9			LF6LED 6LFLED5 30K	Te	est No. 3264
Test No. 3264	9	0 0 0 0		IF6LED 6LFLED5 30K	Te	est No. 3264
Test No. 3264 Tested at 25°C Amb	9 gient in accordance		- 	IFGLED GIFLEDS 30K		
Test No. 3264 Tested at 25°C Amb F6LED 6LFLED5 35K ED Light Engine: 3500	9 ient in accordance K, 80 CRI		ZONAL LUMI		LUMINANCE DA SQ. METER	TA IN CANDELA,
Test No. 3264 Tested at 25°C Amb F6LED 6LFLED5 35K ED Light Engine: 3500 system Wattage: 18.5V	9 ient in accordance K, 80 CRI V		ZONAL LUMI	N SUMMARY	LUMINANCE DA SQ. METER Angle in Vertical	TA IN CANDELA , Average -
Test No. 3264 Tested at 25°C Amb F6LED 6LFLED5 35K ED Light Engine: 3500 ystem Wattage: 18.5V ixture Delivered Lumen	9 ient in accordance K, 80 CRI V		ZONAL LUMI ZONE LU	EN SUMMARY IMENS %LUMINAIRE	LUMINANCE DA SQ. METER Angle in Vertical 45°	TA IN CANDELA, Average - 15105
Test No. 3264 Tested at 25°C Amb F6LED 6LFLED5 35K ED Light Engine: 3500 ystem Wattage: 18.5V ixture Delivered Lumen ixture Efficacy: 50	9 ient in accordance K, 80 CRI V		ZONAL LUMI ZONE LL 0-30	EN SUMMARY MENS %LUMINAIRE 486 53.0	LUMINANCE DA SQ. METER Angle in Vertical	TA IN CANDELA, Average - 15105 312
Test No. 3264 Tested at 25°C Amb F6LED 6LFLED5 35K ED Light Engine: 3500 ystem Wattage: 18.5V xiture Delivered Lumen ixture Efficacy: 50	9 ient in accordance K, 80 CRI V		ZONAL LUMI ZONE LL 0-30 0-40	N SUMMARY IMENS %LUMINAIRE 486 53.0 775 84.6	LUMINANCE DA SQ. METER Angle in Vertical 45°	TA IN CANDELA, Average - 15105
Test No. 3264 Tested at 25°C Amb F6LED 6LFLED5 35K ED Light Engine: 3500 ystem Wattage: 18.5V xiture Delivered Lumen ixture Efficacy: 50	so 9 ient in accordance K, 80 CRI V s: 916	to IESNA LM-79-2008	ZONAL LUMI 20NE LL 0-30 0-40 0-60 0-90 90-180	SUMMARY MENS %LUMINAIRE 486 53.0 775 84.6 915 99.9 916 100.0	LUMINANCE DA SQ. METER Angle in Vertical 45° 55°	TA IN CANDELA, Average - 15105 312
Test No. 3264 Tested at 25°C Amb F6LED 6LFLED5 35K ED Light Engine: 3500 ystem Wattage: 18.5V xiture Delivered Lumen ixture Efficacy: 50	so 9 ient in accordance K, 80 CRI V s: 916		ZONAL LUMI ZONE LL 0-30 0-40 0-60 0-90 90-180	SUMMARY MENS %IUMINAIRE 486 53.0 775 84.6 915 99.9 916 100.0 0 0.0	LUMINANCE DA SQ. METER Angle in Vertical 45° 55° 65°	TA IN CANDELA , <u>Average -</u> 15105 312 141
Test No. 3264 Tested at 25°C Amb F6LED 6LFLED5 35K ED Light Engine: 3500 ystem Wattage: 18.5V xiture Delivered Lumen ixture Efficacy: 50	9 ient in accordance K, 80 CRI V S: 916	to IESNA LM-79-2008	ZONAL LUMI 20NE LL 0.30 0.40 0.60 0.90 90.180 0.180	SUMMARY MENS %LUMINAIRE 486 53.0 775 84.6 915 99.9 916 100.0 0 0.0 916 100.0	LUMINANCE DA SQ. METER Angle in Vertical 45° 55° 65° 75° 85°	TA IN CANDELA, Average - 15105 312 141 0 0
Test No. 3264 Tested at 25°C Amb F6LED 6LFLED5 35K ED Light Engine: 3500 ystem Wattage: 18.5V xiture Delivered Lumen ixture Efficacy: 50	9 ient in accordance K, 80 CRI V s: 916 90° C/ 75° DI	to IESNA LM-79-2008 ANDELA DISTRIBUTIC EG CANDELA LUM	ZONAL LUMI 20NE LL 0.30 0.40 0.60 0.90 90.180 0.180	SUMMARY IMENS %LUMINAIRE 486 53.0 775 84.6 915 99.9 916 100.0 0 0.0 916 100.0 916 100.0 916 100.0 COEFFICIENTS OF UTILIZ	LUMINANCE DA SQ. METER Angle in Vertical 45° 55° 65° 75° 85° ZATION Zonal Cavit	TA IN CANDELA, Average - 15105 312 141 0 0
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Test No. 3264 Tested at 25°C Amb FoLED 6LFLEDS 35K ED Light Engine: 3500 ystem Wattage: 18.5V ixture Delivered Lumen ixture Efficacy: 50 pacing Criteria: 1.2	9 ient in accordance K, 80 CRI V S: 916 75° C/	ANDELA DISTRIBUTIO EG CANDELA LUM 5 573 5 584 5	ZONAL LUMI ZONE LU 0-30 0-40 0-60 0-90 90-180 0-180 ENS 6	SUMMARY IMENS %IUMINAIRE 486 53.0 775 84.6 915 99.9 916 100.0 0 0.0 916 100.0 0 0.0 916 100.0 % Effective F 80% 70%	LUMINANCE DA' SQ. METER Angle in Vertical 45° 55° 65° 75° 85° ZATION Zonal Cavit iloor Cavity Reflectance	TA IN CANDELA, Average - 15105 312 141 0 0
Test No. 3264 Tested at 25°C Amb F6LED 6LFLED5 35K ED Light Engine: 3500 iystem Wattage: 18.5V ixture Delivered Lumen ixture Efficacy: 50	50 9 ient in accordance K, 80 CRI S: 916 90° CA 75° CA 60° 1	ANDELA DISTRIBUTIO EG CANDELA LUM 5 584 5 5 606 17	ZONAL LUMI 20NE LU 0-30 0-40 0-60 0-90 90-180 0-180 0-180 ENS	SUMMARY IMENS %IUMINAIRE 486 53.0 775 84.6 915 99.9 916 100.0 0 0.0 916 100.0 0 0.0 916 100.0 % Effective F 80% 70%	LUMINANCE DA' SQ. METER Angle in Vertical 45° 55° 65° 75° 85° ZATION Zonal Cavit	TA IN CANDELA, <u>Average -</u> 15105 312 141 0 0 y Method
Test No. 3264 Tested at 25°C Amb FoLED oLFLEDS 35K ED Light Engine: 3500 iystem Wattage: 18.5V ixture Delivered Lumen ixture Efficacy: 50 ipacing Criteria: 1.2	50 9 ient in accordance K, 80 CRI S: 916 90° C/ 75° C/ 60° 1 2	ANDELA DISTRIBUTIO EG CANDELA LUM 0 573 5 584 5 5 606 17 5 562 25	ZONAL LUMI ZONE LL 0-30 0-40 0-60 0-90 90-180 0-180	Summary MENS %LUMINAIRE 486 53.0 775 84.6 915 99.9 916 100.0 0 0.0 916 100.0 0 0.0 916 100.0 COEFFICIENTS OF UTILIZ ⁴ 80% 1 ⁴ 00% 20% Effective Fice ⁴ 00% % Effective Fice ⁴ 00% % 20% Effective Fice ⁴ 00% % 00% % 00%	LUMINANCE DA' SQ. METER Angle in Vertical 45° 55° 65° 75° 85° ZATION Zonal Cavit ilour Cavity Reflectance 50% 30% or Cavity Reflectance 10, 50, 30, 10, 50, 30, 10, 51	TA IN CANDELA, Average - 15105 312 141 0 0 y Method 10% 50 30 10
Test No. 3264 Tested at 25°C Amb FoLED 6LFLEDS 35K ED Light Engine: 3500 iystem Waltage: 18.5V ixture Delivered Lumen ixture Efficacy: 50 ipacing Criteria: 1.2	50 9 ient in accordance K, 80 CRI S: 916 90° C/ 75° C 60° 1 2 3 4	ANDELA DISTRIBUTIO EG CANDELA LUM 5 584 5 5 606 17 5 562 23 5 469 28	ZONAL LUMA ZONE LL 0-30 0-40 0-60 0-90 90-180 0-180 0-180 0-180 6 70 59 39	SUMMARY IMENS %LUMINAIRE 486 53.0 775 84.6 915 99.9 916 100.0 0 0.0 916 100.0 0 0.0 916 100.0 COEFFICIENTS OF UTILIZ 80% 70% 60 20% Effective Figure Figu	LUMINANCE DA' SQ. METER Angle in Vertical 45° 55° 65° 75° 85° Zation Zonal Cavit 'loor Cavity Reflectance 40% 45% 50% 30% - 10 50 30 10 50 30 10 10 50 30 10 50 30 10	Average - 15105 312 141 0 y Method 10% 50 30 10 9 95 94
Test No. 3264 Tested at 25°C Amb FoLED oLFLEDS 35K ED Light Engine: 3500 ystem Wattage: 18.5V xiture Delivered Lumen ixture Efficacy: 50 pacing Criteria: 1.2	50 9 ient in accordance K, 80 CRI V s: 916 90° C/ 75° C/ 60° 1 2 3 45° 4	ANDELA DISTRIBUTIO G CANDELA DISTRIBUTIO G CANDELA LUM D 573 5 606 17 5 606 17 5 562 24 5 469 24 5 179 13	ZONAL LUMI ZONE LL 0-30 0-40 0-60 0-90 90-180 0-180	SUMMARY MENS %UUMINAIRE 486 53.0 775 84.6 915 99.9 916 100.0 0 0.0 916 100.0 0 0.0 916 100.0 COEFFICIENTS OF UTILIZ 0 20% Effective Flo 0 20% Effective Flo 0 0.30 10 70 50 30 113 110107 105 110 108 105 110 07 38 83 104 99 52 100 07 38 88 31 04 89 52	LUMINANCE DA' SQ. METER Angle in Vertical 45° 55° 65° 75° 85° ZATION Zonal Cavit ioor Covity Reflectance 50% 30% 103 104 102 100 100 98 97 92 96 93 90 30 98 10 81	Average - 15105 312 141 0 y Method 10% 50 30 10 97 95 94 98 86 81 79
Test No. 3264 Tested at 25°C Amb FoLED oLFLEDS 35K ED Light Engine: 3500 iystem Wattage: 18.5V ixture Delivered Lumen ixture Efficacy: 50 ipacing Criteria: 1.2	si 90° C/ (K, 80 CRI S: 916 90° C/ 90° C/	ANDELA DISTRIBUTIO G CANDELA LUM 5 584 5 5 606 17 5 562 24 5 469 28 5 179 10 5 3 4	ZONAL LUMI 20NE LL 0.30 0.40 0.40 0.90 90.180 0.180 ENS 6 70 39 39 36	Summary MENS %LUMINAIRE 486 53.0 775 84.6 915 99.9 916 100.0 0 0.0 916 100.0 0 0.0 916 100.0 CCEFFICIENTS OF UTILIZ 480% 170% 20% Effective Fice 480% 10 70 50 30 1 110 107 105 110 108 105 2 107 1019 79 31 104 99 55 31 100 93 88 88 198 92 87 4 48 68 68 75 92 28 57 4 4 94 86 80 75 92 92 87 57	LUMINANCE DA' SQ. METER Angle in Vertical 45° 55° 65° 75° 85° Zonal Cavit iloar Cavity Reflectance 103 104 102 100 100 98 97 103 104 102 100 100 98 97 103 104 102 100 100 98 97 103 9 85 81 87 83 80 83 89 85 81 87 83 80 73 18 9 85 73 80 73 73 19 9 73 40 76 73	TA IN CANDELA, Average - 15105 312 141 0 0 y Method 10% 50 30 10 97 95 94 90 88 86 48 81 79 75 72
Test No. 3264 Tested at 25°C Amb FoLED oLFLEDS 35K ED Light Engine: 3500 iystem Wattage: 18.5V ixture Delivered Lumen ixture Efficacy: 50 ipacing Criteria: 1.2	50 9 ient in accordance K, 80 CRI S: 916 90° CA 75° CA 60° 1 45° 56	ANDELA DISTRIBUTIO G CANDELA LUM 5 584 5 5 562 25 5 469 26 5 179 10 5 3 4 5 1	ZONAL LUMI ZONE LL 0.30 0.40 0.40 0.40 0.90 90.180 0.180 0.180 0.180 6 6 70 59 39 36 4	SUMMARY MENS %LUMINAIRE 486 53.0 775 84.6 915 99.9 916 100.0 0 0.0 916 100.0 0 0.0 916 100.0 COEFFICIENTS OF UTILIZ 6 20% Effective Field 70 50 30 10 70 50 30 1 113 110107 105 110 101 005 30 1 100 93 88 83 198 92 87 4 48 68 07 59 22 87 4 94 86 07 57 22 87 5 87 73 68 197 78 27 26 6 87 73 67 62 192 78 76	LUMINANCE DA' SQ. METER Angle in Vertical 45° 55° 65° 75° 85° Zonal Cavit 'loor Cavity Reflectance 103 104 102 100 100 98 97 29 96 93 01 93 90 98 10 38 98 58 11 87 83 80 38 98 58 11 87 83 80 38 98 58 11 87 73 74 80 76 73 68 77 71 67 75 70 66 10 62 71 65 61 70 65 61	TA IN CANDELA, Average - 15105 312 141 0 0 y Method 10% 50 30 10 97 95 94 90 88 86 44 81 79 77 57 72 36 96 66 44 60
Test No. 3264 Tested at 25°C Amb FoLED 6LFLEDS 35K ED Light Engine: 3500 ystem Wattage: 18.5V ixture Delivered Lumen ixture Efficacy: 50 pacing Criteria: 1.2	50 9 ient in accordance K, 80 CRI V 5: 916 00° C/ 75° C 60° 1 45° 5 60° 1 33 45° 5 60° 7	ANDELA DISTRIBUTIO G CANDELA LUM 5 584 5 5 562 22 5 469 28 5 179 10 5 3 4 5 1	ZONAL LUMI ZONE LL 0-30 0-40 0-60 0-90 90-180 0-180	SUMMARY MENS %UMINAIRE 486 53.0 775 84.6 915 99.9 916 100.0 0 0.0 916 100.0 0 0.0 916 100.0 COEFFICIENTS OF UTILIZ 0 20% Effective Flo 0 20% Effective Flo 0 0.03 10 70 50 30 1 113 110107 105 110 108 105 2 100 71 68 83 19 68 29 87 1 103 1104 99 52 1 103 86 83 19 68 29 87 4 86 80 75 19 28 57 78 72 5 89 77 73 46 87 77 72	LUMINANCE DA' SQ. METER Angle in Vertical 45° 55° 65° 75° 85° 2000 2000 2000 2000 4000 45° 55° 65° 75° 85° 2001 2002 1007 Covity Reflectance 100 101 102 103 103 104 105 105 105 105 105 105 105 105 105 106 107 107 107 104 107 104 105 105 106 107 107 107 107 10	Average - 15105 312 141 0 y Method 10% 50 30 97 95 94 97 93 94 97 310
Test No. 3264 Tested at 25°C Amb FoLED oLFLEDS 35K ED Light Engine: 3500 ystem Wattage: 18.5V xiture Delivered Lumen ixture Efficacy: 50 pacing Criteria: 1.2	50 9 ient in accordance K, 80 CRI S: 916 90° C/ 75° C/ 60° 1 2 45° 5 60° 1 2 30° 8	ANDELA DISTRIBUTIO EG CANDELA DISTRIBUTIO EG CANDELA LUM 0 573 5 584 5 606 5 562 5 469 5 179 5 3 5 1 5 0	ZONAL LUMA ZONE LL 0-30 0-40 0-60 0-90 90-180 0-180 0-180 0-180 6 70 59 39 36 4	SUMMARY MENS %LUMINAIRE 486 53.0 775 84.6 915 99.9 916 100.0 0 0.0 916 100.0 0 0.0 916 100.0 COEFFICIENTS OF UTILIZ 80% 7050 20% Effective Flo 92 20% Effective Flo 93 107050 113 10107 101 11008105 1007 104 92 87 1007 368 87 82 27 4 94 80 75 92 85 9 97 73 68 87 78 72 5 83 73 74 84 87 87 74 94 86 83 92 87 74 94 86 83 92 87 74 94 86 80 75 </td <td>LUMINANCE DA' SQ. METER Angle in Vertical 45° 55° 65° 75° 85° 2000 2000 2000 2000 450° 55° 65° 75° 85° 2000 2000 1000 100</td> <td>Average - 15105 312 141 0 y Method 10% \$630.10 97.95.94 98.86 48.81.79 73.69.66 44.59.55</td>	LUMINANCE DA' SQ. METER Angle in Vertical 45° 55° 65° 75° 85° 2000 2000 2000 2000 450° 55° 65° 75° 85° 2000 2000 1000 100	Average - 15105 312 141 0 y Method 10% \$630.10 97.95.94 98.86 48.81.79 73.69.66 44.59.55





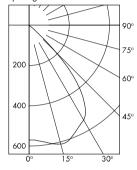
PHOTOMETRIC DATA

LiteFrame - 6" LF6LED Downlight

SLA12-19480

LF6LED 6LFLED5 40K

LED Light Engine: 4000K, 80 CRI System Wattage: 16.3W Fixture Delivered Lumens: 911 Fixture Efficacy: 55 Spacing Criteria: 1.2



CAN	CANDELA DISTRIBUTION										
DEG	CANDELA	LUMENS									
0	569										
5	580	56									
15	602	169									
25	560	258									
35	467	288									
45	178	135									
55	3	4									
65	1	0									
75	0	0									
85	0	0									
90	0	0									

ZONAL I	UMEN SUM	MARY	LUMINANCE DATA IN CANDELA/				
ZONE	lumens	%LUMINAIRE	SQ. METER				
0-30	483	53.0	Angle in Vertical	Average -			
0-40	771	84.6	45°	15021			
0-60	911	99.9	55°	312			
0-90	911	100.0	65°	141			
90-180	0	0.0	75°	0			
0-180	911	100.0	85°	0			

COEFFICIENTS OF UTILIZATION Zonal Cavity Method

				% E	ffect	ive F	loor	Cavity	/ Ref	ecta	nce					
Cavity		80%			70	1%		5	0%		3	0%	5	1	10%	o
Cito			209	% Effe	ctive	e Floo	or Co	ivity R	eflec	lanc	е					
Room Cav Ratio						% W	all R	eflect	ance							
_	70	50 30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
1	113	110107	105	110	108	105	103	104	102	100	100	98	97	97	95	94
2	107	101 97	93	104	100	95	92	96	93	90	93	90	88	90	88	86
3	100	93 88	83	98	92	87	83	89	85	81	87	83	80	84	81	79
4	94	86 80	75	93	85	79	75	83	78	74	81	76	73	79	75	72
5	89	79 73	68	87	78	72	68	77	71	67	75	70	67	73	69	66
6	83	73 67	62	82	73	66	62	71	65	61	70	65	61	68	64	60
7	78	68 61	57	77	67	61	56	66	60	56	65	60	56	64	59	55
8	74	63 57	52	73	63	56	52	61	56	52	60	55	51	59	55	51
9	70	59 52	48	68	58	52	48	57	52	48	56	51	47	55	51	47
10	66	55 48	44	65	54	48	44	54	48	44	53	48	44	52	47	44
LF6LE	D 6L	FLED5 4	0K											Test I	No. (3333

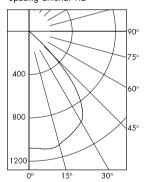
LF6LED 6LFLED5 40K

Test No 3333

Tested at 25°C Ambient in accordance to IESNA LM-79-2008

LF6LED 6LFLED7 35K

LED Light Engine: 3500K, 80 CRI System Wattage: 32.4W Fixture Delivered Lumens: 1656 Fixture Efficacy: 50 Spacing Criteria: 1.2



CANDELA DISTRIBUTION										
DEG	CANDELA	LUMENS								
0	1079									
5	1087	104								
15	1084	305								
25	1006	465								
35	855	526								
45	322	246								
55	6	8								
65	2	1								
75	0	1								
85	0	0								
90	0									

ZONAL	UMEN SUM	MARY	LUMINANCE DATA IN CANDELA/			
ZONE	LUMENS	%LUMINAIRE	SQ. METER			
0-30	874	52.8	Angle in Vertical	Average - 0°		
0-40	1401	84.6	45°	24955		
0-60	1654	99.9	55°	573		
0-90	1656	100.0	65°	259		
90-180	0	0.0	75°	0		
0-180	1656	100.0	85°	0		

COEFFICIENTS OF UTILIZATION Zonal Cavity Method

, oi					% E	ffect	ive F	loor I	Cavity	/ Refl	lecta	nce					
`_		80	%	1		70	1%	1	5	0%	. 1	3	0%	,	1	0%	b
Ratio		20% Effective Floor Cavity Reflectance															
		% Wall Reflectance															
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94
	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86
	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79
	94	86	80	75	92	85	79	75	83	78	74	80	76	73	79	75	72
	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66
	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60
1	78	68	61	57	77	67	61	56	66	60	56	65	60	56	64	59	55
:	74	63	56	52	73	63	56	52	61	56	51	60	55	51	59	55	51
1	70	59	52	48	68	58	52	48	57	51	47	56	51	47	55	51	47
рİ	66	55	48	44	65	54	48	44	54	48	44	53	48	44	52	47	44

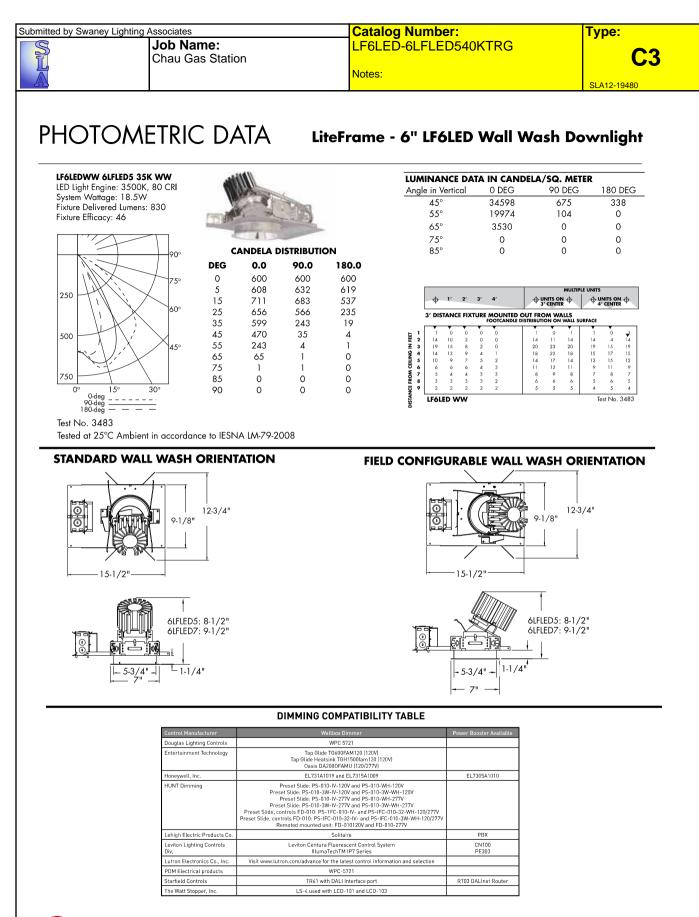
Test No. 3678

Tested at 25°C Ambient in accordance to IESNA LM-79-2008



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PHOTOMETRIC DATA

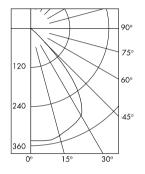
LiteFrame - 6" LF6LED Downlight **Integral EM & Central Inverters**

Integral EM

Prescolite provides photometric performance of the LiteFrame LED when operating on integral EM back up power as a tool to approximate light levels in back-up battery operation. This should not be deemed a guarantee of performance. The LiteFrame LED is CSA listed as an emergency fixture for applications not to exceed 16ft.

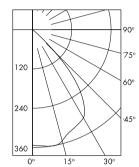
LF6LEDEM 6LFLED5 35K EM

LED Light Engine: 3500K, 80 CRI Fixture Delivered Lumens: 505



	CANDELA D	ISTRIBUTION
DEG	CANDELA	LUMENS
0	344	
5	346	33
15	341	96
25	322	148
35	266	163
45	73	62
55	2	2
65	0	0
75	0	0
85	0	0
90	0	

LF6LEDEM 6LFLED7 35K EM LED Light Engine: 3500K, 80 CRI Fixture Delivered Lumens: 527



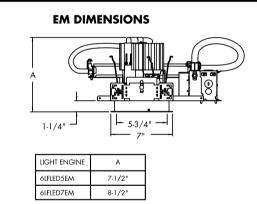
	CANDELA D	ISTRIBUTION
DEG	CANDELA	LUMENS
0	353	
5	356	34
15	351	99
25	322	149
35	272	168
45	97	74
55	2	3
65	1	0
75	1	0
85	0	0
90	0	

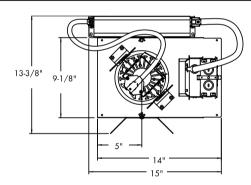
Test No. 3912

Tested at 25°C Ambient in accordance to IESNA LM-79-2008

Test No. 3913

Tested at 25°C Ambient in accordance to IESNA LM-79-2008





Central Inverters

For fixture full light output in back-up mode, Prescolite and Dual-lite have jointly tested the LiteFrame LED with the 100 (LG1) and 250 (LG2) VA LiteGear inverters. Below is a chart that shows the maximum number of LiteFrame LED products that can be wired to a single LiteGear. (Note: Not for use with integral EM option). For more information on LiteGear go to www.dual-lite.com

LiteFrame LED & Dual-Lite LiteGear Compatibility Matrix						
Maximum Number of LiteFrame LED Downlights that can be wired to a single LiteGear Inverter.						
LED5 LED7						
LG1	3	2				
LG2	8	5				



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