

APPENDIX #4
Lake Elsinore

This Appendix #4 to Agreement ("Appendix") by and between WRCOG, Contractor, and Lake Elsinore ("Member Agency") is made and entered into this ___ day of September, 2018. WRCOG, Contractor, and Member Agency are referred to herein as Parties.

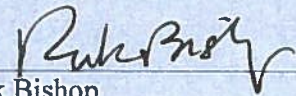
1. Defined Terms. All terms used herein have the meanings ascribed to them in the Equipment Purchase Agreement ("Agreement") between WRCOG and Contractor dated March 27, 2018 with the exception of the term Member Agency, which for the purposes of this Appendix #4 will refer to Lake Elsinore only.

2. Agreement Incorporated. The terms and provisions of the Agreement are hereby incorporated into this Appendix.

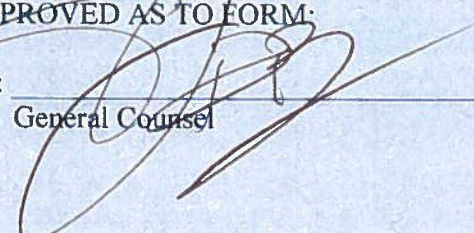
3. Member Agency Exhibits. The Parties hereby agree that the Equipment Specifications, Delivery Schedule, and Fee Schedule for the Agreement as it relates to Member Agency are defined specifically in Exhibits A, B, and C, attached hereto and incorporated herein by this reference.

IN WITNESS WHEREOF, the Parties hereby have made and executed this Appendix as of the date first written above.

WRCOG

By: 
Rick Bishop
Executive Director

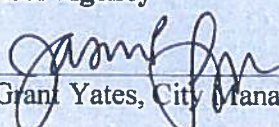
APPROVED AS TO FORM:

By: 
General Counsel

Contractor

By: _____
Kevin Huffman, Manager

Member Agency

By:  Acting CM
Grant Yates, City Manager

ATTEST:

By: 
For: Susan M. Domen, City Clerk

APPROVED AS TO FORM:

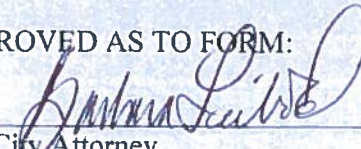
By: 
City Attorney

EXHIBIT "A"

EQUIPMENT SPECIFICATIONS

GE Evolve™
LED Roadway Lighting
ERL1-ERLH-ERL2



Project name _____
Date _____
Type _____

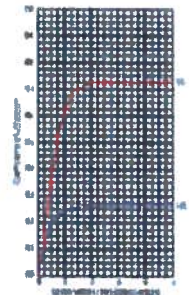
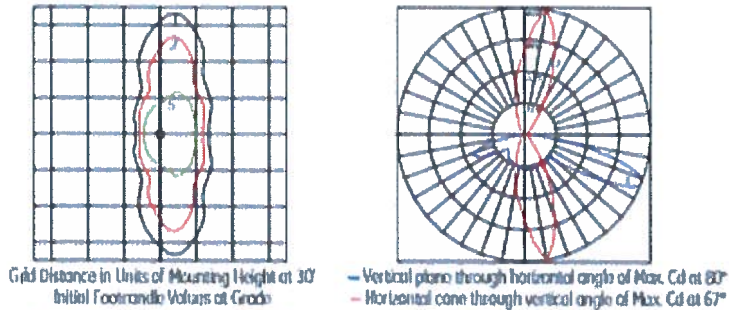
ERL1

MODEL ID	VOLTAGE	LUMEN OUTPUT	DISTRIBUTION*	CCT	CONTROLS	COLOR	OPTIONS
E = Evolve R = Roadway L = Local 1 = Single Module	0 = 120-277V* 1 = 120 2 = 208 3 = 240 4 = 277 5 = 480 D = 347 H = 347-480*	02* 03< 04< 05< 06 07 08 09 10	A3 = Type II Narrow B3 = Type II Wide C3 = Type III D3 = Type IV E3 = Type II Enhanced Brick Light See Table	27 = 2700K< 30 = 3000K 40 = 4000K Select: 2700K or 3000K CCT for IDA approved units	A = ANSI C136.41 7-pin D = ANSI C136.41 7-pin with Shunting Cap E = ANSI C136.41 7-pin with non-Dimming PE Control* *PE Control Only available for 120-277V or 480V Discrete. Not available for 347 480V or 347V Discrete. < If dimming the 03 - 05 lumen output using a control supplied from a source other than GE call 1.888.694.3533, then select Option 2 at the prompt for assistance. NOTE: Dimming controls wired for 0-10V standard unless DALI option "U" requested.	GRAY = Gray BLACK = Black DWBZ = Dark Bronze	A = 4 Bolt Slipster† F = Fusing G = Internal Gullie Level I = IP66 Optical L = Tool-Less Entry R = Secondary 10kV/5kA SPD U = DALI Programmable +* X = Single Package # Y = Coastal Finish* XXX = Special Options † Contact manufacturer for Lead-Time. * "X" option provides single pack box per fixture. Std Packaging = 20 units per Magna pack container. * Recommended for installations within 750 ft. from the coast. Contact Factory for Lead-Time. + Compatible with LightGrid 2.0 nodes. * Not available in 347V, 480V or 347-480V for Lumen Output Levels 02, 03, 04, and 10.
LUMEN OUTPUT	DISTRIBUTION	TYPICAL INITIAL LUMENS		TYPICAL SYSTEM MAINTENANCE		IES FILE NUMBER	
		4000K	3000K	2700K	120-277V	347-480V	2700K
02	A3						
	B3						
	C3	2000	1900	1900	14	N/A	
	D3						
03	A3						
	B3						
	C3	3000	2900	2900	22	26	
	D3						
04	A3						
	B3						
	C3	4000	3900	3900	31	34	
	D3						
05	A3						
	B3						
	C3	5000	4900	4700	39	43	
	D3						
06	A3						
	B3						
	C3	6000	5800	5700	47	52	
	D3						
07	A3						
	B3						
	C3	7000	6800	6600	58		
	D3						
08	A3						
	B3						
	C3	8000	7600	7600	71		
	D3						
09	A3						
	B3						
	C3	9000	8800	8500	84		
	D3						
10	A3						
	B3						
	C3	9600	9600	9250	97		
	D3						

Photometrics: Evolve™ LED Streetlight (ERL1)

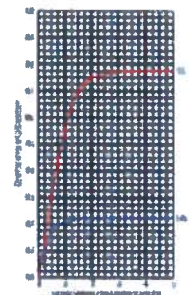
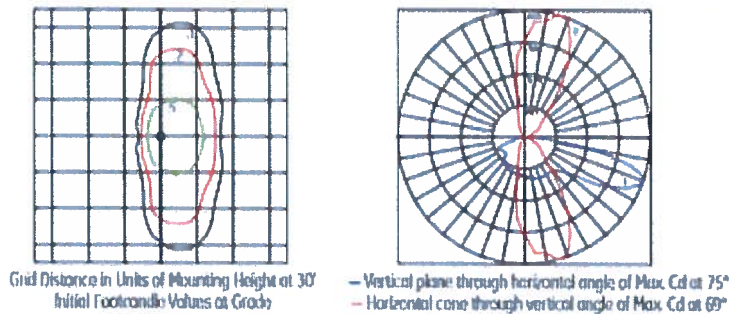
ERL1
Type II Narrow
(05A340)

5,000 Lumens
4000K
ERL1_05A340__IES



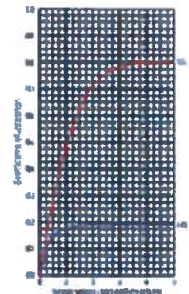
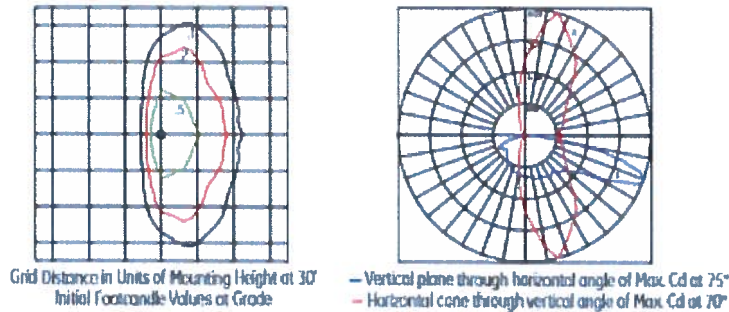
ERL1
Type II Wide
(05B340)

5,000 Lumens
4000K
ERL1_05B340__IES



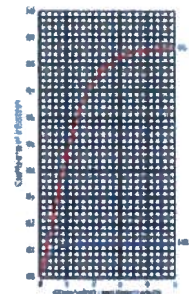
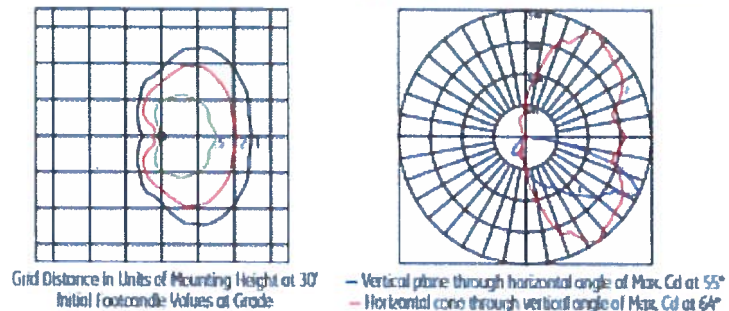
ERL1
Type III
(05C340)

5,000 Lumens
4000K
ERL1_05C340__IES



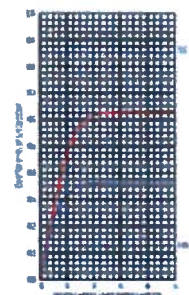
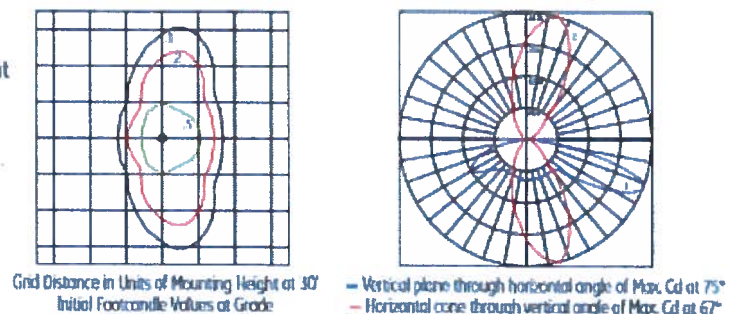
ERL1
Type IV
(05D340)

5,000 Lumens
4000K
ERL1_05D340__IES



ERL1
Type II Enhanced Back Light
(05E340)

5,000 Lumens
4000K
ERL1_05E340__IES



GE Evolve™

LED Roadway Lighting

ERL1-ERLH-ERL2



Project name _____

Date _____

Type _____

ERLH

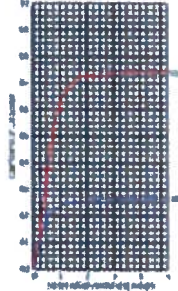
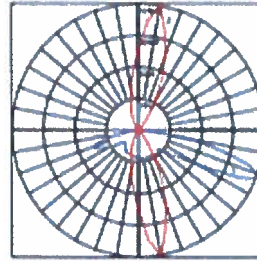
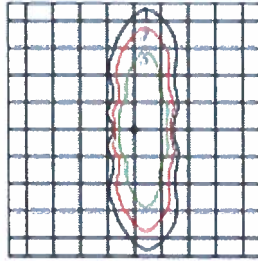
PROD. ID	VOLTAGE	LUMEN OUTPUT	DISTRIBUTION*	CCT	CONTROLS	COLOR	OPTIONS
E = Evolve	0 = 120-277V*	10	A3 = Type II Narrow	30 = 5000K	A = ANSI C136.41 7-pin	GRAY = Gray	A = 4 Bolt Slipfitter †
R = Roadway	1 = 120	11	B3 = Type II Wide	40 = 6000K	D = ANSI C136.41 7-pin with	BLACK = Black	F = Fusing
L = Local	2 = 208	13	C3 = Type III	∞ Select	Shunting Cap	DKBZ = Dark Bronze	G = Internal Bubble Level
H = High Output	3 = 240	14	D3 = Type IV	3000K CCT	E = ANSI C136.41 7-pin with		I = IP66 Optical
	4 = 277	15	E3 = Type II Enhanced	for ICA	non-dimming PE Control *		L = Tool-Less Entry
	5 = 480	16	Back Light	approved	*PE Control Only available for		R = Secondary 100V/5KA SPD
	D = 347		See Table	units.	120-277V or 480V Discrete. Not		U = DALI Programmable †^
	H = 347-480*				available for 347-480V or 347V		X = Single Package ‡
					Discrete.		Y = Coastal Finish *
							XXX = Special Options
							† Contact manufacturer for Lead-time.
							‡ 72" option provides single pack box
							per fixture. Std Packaging = 20 units
							per Magna pack container.
							* Recommended for installations
							within 750 ft. from the coast. Contact
							Factory for Lead-time.
							^ Compatible with LightGrid 2.0 nodes.
							^ Not available in 347V, 480V or
							347-480V

LUMEN OUTPUT	DISTRIBUTION	TYPICAL INITIAL LUMENS		TYPICAL SYSTEM WATTAGE		BUG RATING		IES FILE NUMBER	
		4000K	3000K	120-277V	347-480V	4000K	3000K	4000K	3000K
10	A3					B2-U0-G2	B2-U0-G2	ERLH_10A140	IES
	B3					B2-U0-G2	B2-U0-G2	ERLH_10B140	IES
	C3	10000	9600	82	82	B2-U0-G3	B2-U0-G2	ERLH_10C140	IES
	D3					B1-U0-G3	B1-U0-G2	ERLH_10D140	IES
	E3					B3-U0-G3	B3-U0-G3	ERLH_10E140	IES
11	A3					B3-U0-G3	B2-U0-G2	ERLH_11A140	IES
	B3					B3-U0-G3	B2-U0-G2	ERLH_11B140	IES
	C3	11500	11000	90	90	B2-U0-G3	B2-U0-G3	ERLH_11C140	IES
	D3					B1-U0-G3	B1-U0-G2	ERLH_11D140	IES
	E3					B3-U0-G3	B3-U0-G3	ERLH_11E140	IES
13	A3					B3-U0-G3	B3-U0-G3	ERLH_13A140	IES
	B3					B2-U0-G3	B2-U0-G3	ERLH_13B140	IES
	C3	13000	12500	111	111	B2-U0-G3	B2-U0-G3	ERLH_13C140	IES
	D3					B2-U0-G3	B2-U0-G3	ERLH_13D140	IES
	E3					B3-U0-G3	B3-U0-G3	ERLH_13E140	IES
14	A3					B3-U0-G3	B3-U0-G3	ERLH_14A140	IES
	B3					B2-U0-G3	B2-U0-G3	ERLH_14B140	IES
	C3	14000	13400	122	122	B2-U0-G3	B2-U0-G3	ERLH_14C140	IES
	D3					B2-U0-G3	B2-U0-G3	ERLH_14D140	IES
	E3					B3-U0-G3	B3-U0-G3	ERLH_14E140	IES
15	A3					B3-U0-G3	B3-U0-G3	ERLH_15A140	IES
	B3					B2-U0-G3	B2-U0-G3	ERLH_15B140	IES
	C3	15000	14400	136	136	B2-U0-G3	B2-U0-G3	ERLH_15C140	IES
	D3					B2-U0-G3	B2-U0-G3	ERLH_15D140	IES
	E3					B3-U0-G3	B3-U0-G3	ERLH_15E140	IES
16	A3					B3-U0-G3	B3-U0-G3	ERLH_16A140	IES
	B3					B3-U0-G3	B3-U0-G3	ERLH_16B140	IES
	C3	16000	15300	149	149	B2-U0-G3	B2-U0-G3	ERLH_16C140	IES
	D3					B2-U0-G3	B2-U0-G3	ERLH_16D140	IES
	E3					B3-U0-G3	B3-U0-G3	ERLH_16E140	IES

Photometrics: Evolve™ LED Streetlight (ERLH)

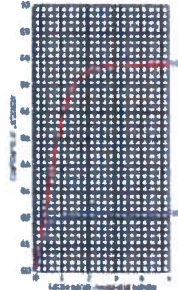
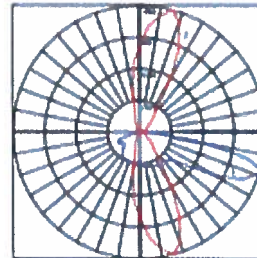
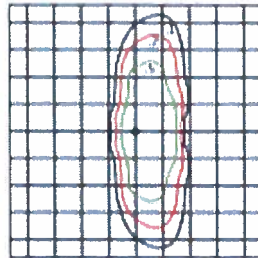
ERLH
Type II Narrow
(13A340)

13,000 Lumens
4000K
ERLH_13A340__IES



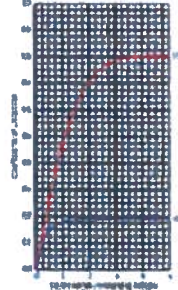
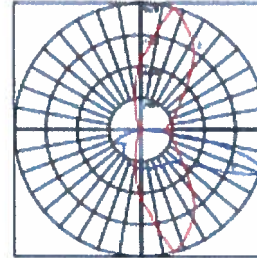
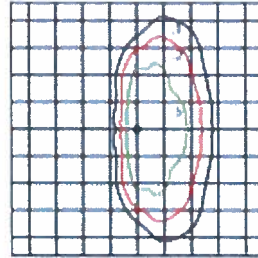
ERLH
Type II Wide
(13B340)

13,000 Lumens
4000K
ERLH_13B340__IES



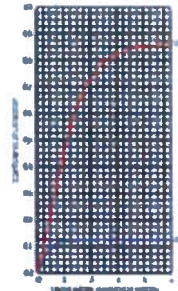
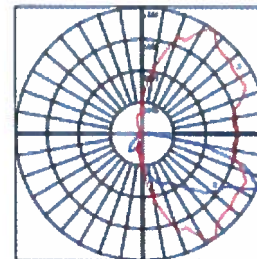
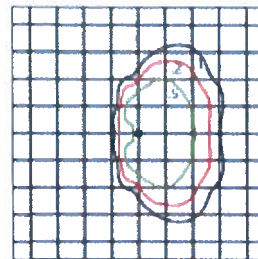
ERLH
Type III
(13C340)

13,000 Lumens
4000K
ERLH_13C340__IES



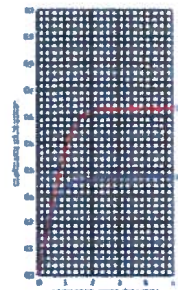
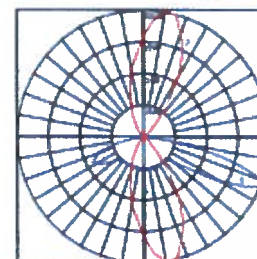
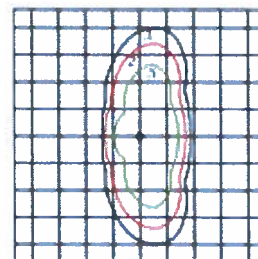
ERLH
Type IV
13D340

13,000 Lumens
4000K
ERLH_13D340__IES



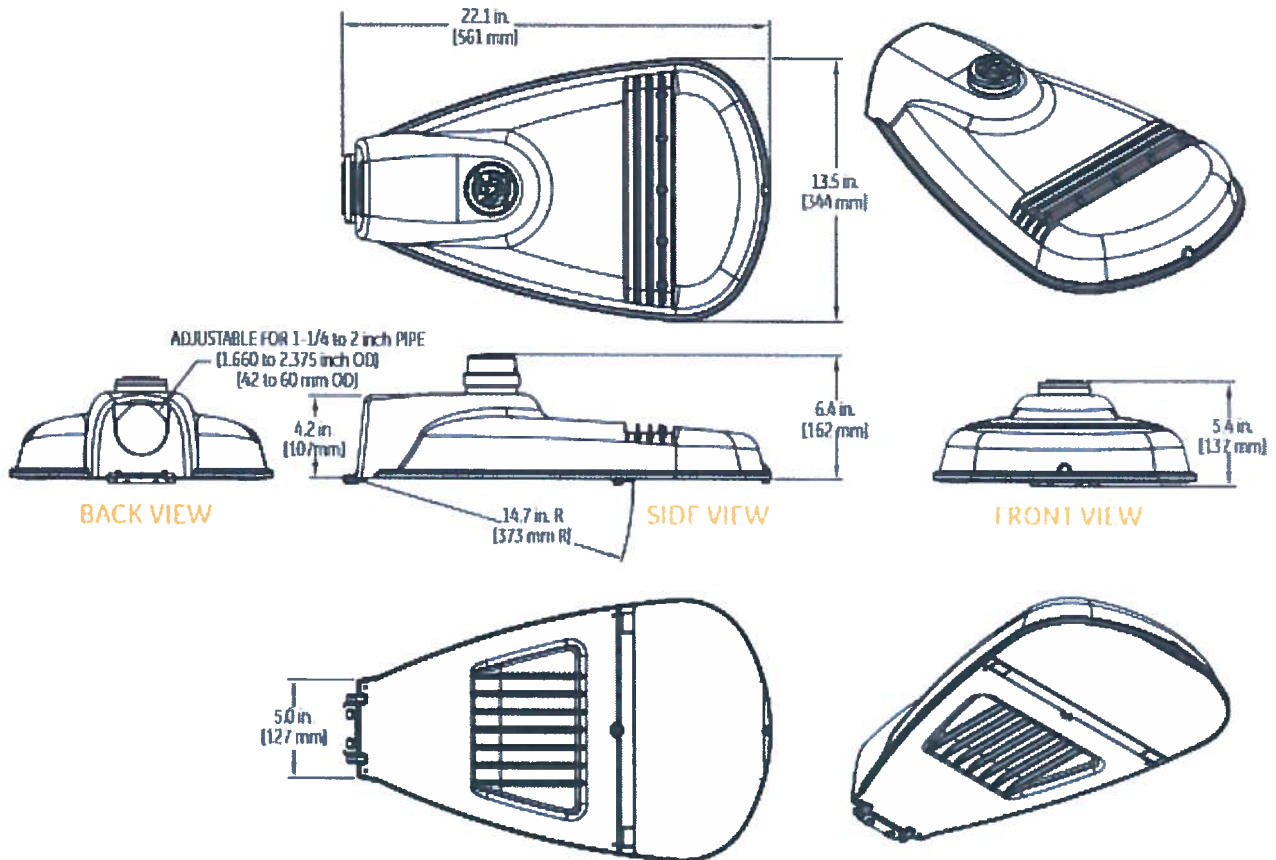
ERLH
Type II Enhanced Back Light
13E340

13,000 Lumens
4000K
ERLH_13E340__IES



GE Evolve™
LED Roadway Lighting
ERL1-ERLH-ERL2

Product Dimensions:
Evolve™ LED Streetlight (ERL1)

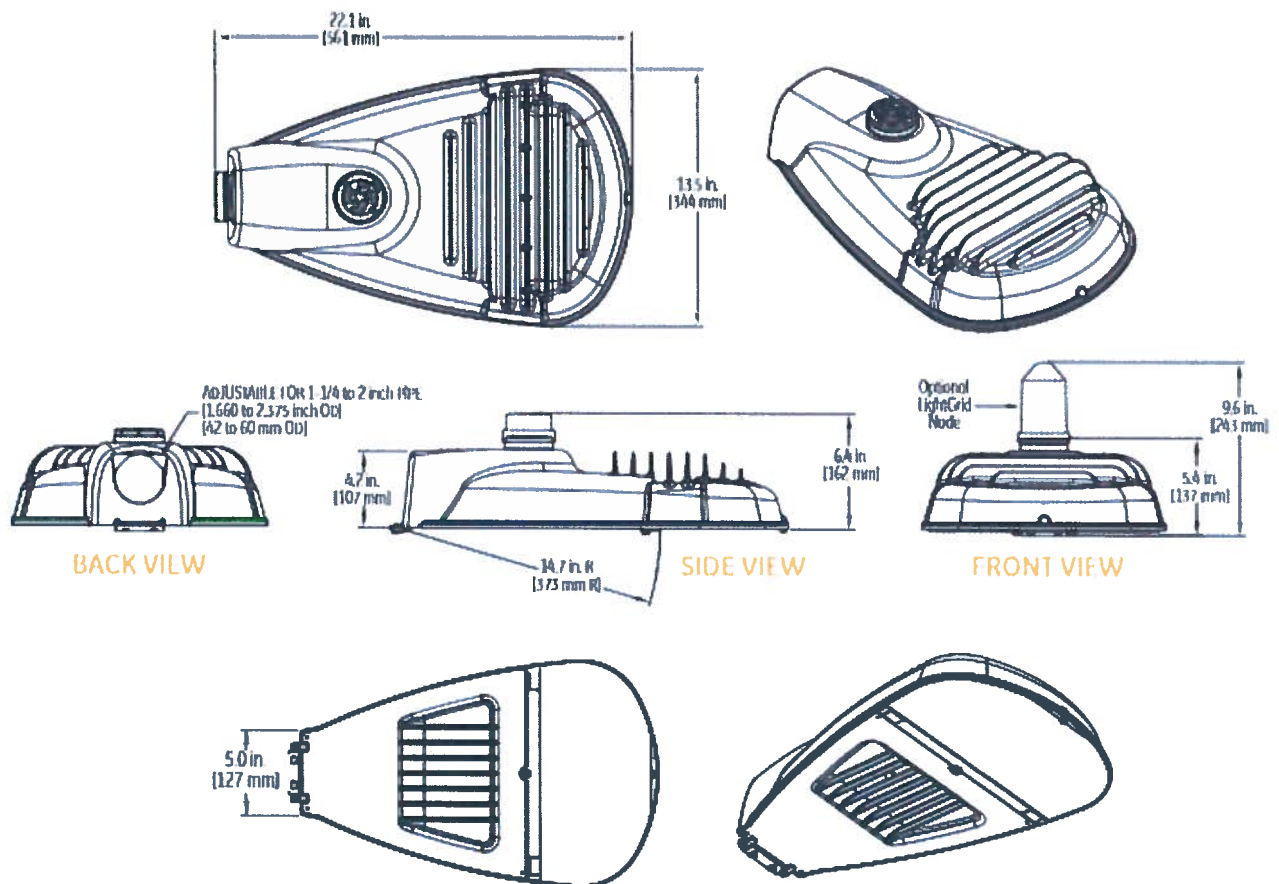


DATA

- Approximate net weight: 12.4 lbs (5.6kgs) - 15.5 lbs (7.0kgs) with XFMR
- Effective Projected Area (EPA): 0.5 sq ft max (0.046 sq m)

GE Evolve™ LED Roadway Lighting ERL1-ERLH-ERL2

Product Dimensions: Evolve™ LED Streetlight (ERLH)



DATA

- Approximate net weight: 15.15 lbs (6.9 kgs) - 2 Bolt Slipfitter
- Approximate net weight: 15.85 lbs (7.2 kgs) - 4 Bolt Slipfitter
- Effective Projected Area (EPA): 0.5 sq ft max (0.046 sq m)

EXHIBIT "B"
DELIVERY SCHEDULE

Delivery Schedule (Estimated)						
<i>Acquisition Process</i>	<i>SCE Transition Start</i>	<i>Delivery Schedule</i>	<i>Phase 1 Transition (retrofit start)</i>	<i>Phase 2 (if needed)</i>	<i>Phase 3 (if needed)</i>	<i>Phase 4 (if needed)</i>
<i>Retrofit, O&M, LED fixture, and financing GOALS</i>	Finance Closing and LED selection GOAL		LED fixture delivery date GOAL			
Lake Elsinore	+ 60 days	Min. 2 weeks prior to Phase 1 Transition	SCE dependent, TBD			

EXHIBIT "C"
FEE SCHEDULE

PRODUCT PRICING SHEET

Luminaire Designation	Existing Wattage	Proposed Luminaire	Quantity *	Unit Price **	Total Price
	50W HPS	ERL1 0 02 XX 30 A GRAY L	864	\$ 114.02	\$ 98,513.28
	70W HPS	ERL1 0 03 XX 30 A GRAY L	3042	\$ 114.02	\$ 346,848.84
	70W HPS ALT	ERL1 0 04 XX 30 A GRAY L		\$ 114.02	\$ -
	100W HPS	ERL1 0 05 XX 30 A GRAY L	21791	\$ 120.96	\$ 2,635,839.36
	150W HPS	ERL1 0 09 XX 30 A GRAY L	161	\$ 192.64	\$ 31,015.04
	200W HPS	ERL1 0 11 XX 30 A GRAY L	6109	\$ 204.20	\$ 1,247,457.80
	250W HPS	ERL2 0 16 XX 30 A GRAY L	46	\$ 244.68	\$ 11,255.28
	400W HPS	ERL2 0 21 XX 30 A GRAY L	25	\$ 279.36	\$ 6,984.00
	35W LPS	ERL1 0 02 XX 30 A GRAY L	29	\$ 114.02	\$ 3,306.58
	55W LPS	ERL1 0 02 XX 30 A GRAY L	15012	\$ 114.02	\$ 1,711,668.24
	90W LPS	ERL1 0 04 XX 30 A GRAY L	89	\$ 114.02	\$ 10,147.78
	135W LPS	ERL1 0 09 XX 30 A GRAY L	3273	\$ 192.64	\$ 630,510.72
			50441		\$ 6,733,546.92

XX = optical designation
GE optical A3, B3, C3, D3 = same price
30 = 3000K/27 = 2700K All same price

Tax rate added to fixture is 8.75% ***

*Quantity of fixtures and total price subject to change per Final True-up performed by SCE's Inventory and Inspection Period and final count of City-owned lights that City's would like to add to the project.

**Unit price set at a Not-to-Exceed price unless otherwise approved by WRCOG representative. Does not include price of Photocell.

***Tax rate subject to change per jurisdiction.