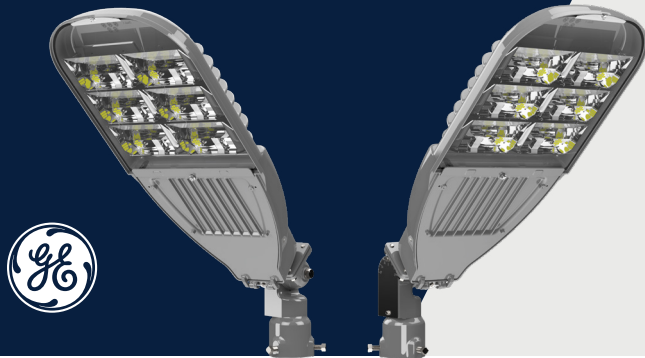


CUSTOMER NAME _____
 PROJECT NAME _____
 DATE _____ TYPE _____
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ERLS Setback Luminaire

LED Roadway Lighting

The Evolve® LED Roadway ERLS Setback Luminaire utilizes an advanced LED reflective optical system combined with multiple lighting distributions, mounting options and the ability to tilt. ERLS offers performance in a diverse set of applications ranging from interstates, roadways and parking lots.

Construction

Housing:	Aluminum die cast enclosure. Casting-Integral heat sink for maximum heat transfer Standard captive door
Lens:	Impact resistant tempered glass
Colors:	Corrosion resistant polyester powder paint, minimum 2.0 mil thickness Paint: (RAL & custom colors available) Standard = Black, Dark Bronze, Gray Optional = Coastal Finish
Weight:	≤ 32.9 lbs (14.9 kgs)

Optical System

Lumens:	20,080-48,000
Distribution:	Type II Narrow, Type II/III, Type III, Type IV and Type II Enhanced Backlight
Efficacy (LPW):	122 - 167
CCT (K):	2700, 3000, 4000
CRI:	≥ 70

Electrical

Input Voltage (V):	120-277, 277-480 or 347-480
Input Frequency (Hz):	50/60
Power Factor:	≥ 90 at rated watts
Total Harmonic Distortion:	< 20% at rated watts

Surge Protection*

STANDARD	OPTIONAL
10kV/5kA	Secondary 10kV/5kA (R Option) or Secondary 20kV/10kA (T Option)

*Per ANSI C136.2-2018



Lumen Maintenance

Projected Lxx per IES TM-21-11 at 25°C

LUMEN CODE	DISTRIBUTION CODE	LXX(10K) @ HOURS		
		25K HOURS	50KHOURS	60K HOURS
25	A6, B6, C6, D6, E6, J6, K6, L6, M6, N6	99	97	97
30		98	96	95
33		98	95	94
35		98	95	94
40		96	93	91
45		96	92	90
48		97	96	95

Projected Lxx per IES TM-21-21 at 25 °C

45	A6, B6, C6, D6, E6, J6, K6, L6, M6, N6	96	92	90
48		96	91	89

Note: Projected Lxx based on LM80 (≥ 10,000 hour testing). Accepted Industry tolerances apply to initial luminous flux and lumen maintenance measurements.

Ratings

Operating Temperature:	-40°C to 50°C (lumen codes 24-45) -40°C to 45°C (lumen code 48)
Vibration:	3G per ANSI C136.31-2018
LM-79:	Tested in accordance with IES Standards
EMI:	FCC Title 47 CFR Part 15 Class A
RoHS:	Complies with the material restrictions of RoHS

Controls

Dimming:	Standard - 0-10V Optional - DALI (Option U)
Sensors:	Photo Electric Sensors (PE) available LightGrid+ Compatible

Warranty

5 Year (Standard)

10 Year (Optional)

CUSTOMER NAME _____
 PROJECT NAME _____
 DATE _____ TYPE _____
 CATALOG NUMBER _____

Ordering Information

ERLS

PRODUCT ID	VOLTAGE	LUMEN CODE (SEE CLAIMS TABLE)	DISTRIBUTION ²	CCT	CONTROLS	MOUNTING ARM	COLOR	OPTIONS	
E = Evolve	O = 120-277V ¹	25	A6 = Type II Narrow	27 = 2700K	A = Top: 7-Pin Receptacle ³	N1 = Std 2 bolt internal S/F No External Slipfitter provided	GRAY = Gray	A = 4 bolt Internal Slipfitter	
R = Roadway	H = 347-480V ¹	30	B6 = Type II/III	30 = 3000K	D = Top :7-Pin Receptacle /w Shorting Cap ³	K1 = Knuckle slipfitter 1.9 in. - 2.3 in OD Tenon ⁴	BLCK = Black	F = Fusing	
L = Local	E = 277-480V ¹	33 (120-277 only)	C6 = Type III	40 = 4000K	E = Top: 7-Pin Receptacle w/ Long Life PE ³		DKBZ = Dark Bronze	G = Internal Bubble Level	
S = Setback		35	D6 = Type IV			S1 = Knuckle slipfitter 2.3-3.0 in. OD Tenon ⁴		I = Optional IP66 Optical Enclosure	
SELECT SINGLE VOLTAGES ONLY IF FUSING IS REQUIRED		40	E6 = Type II Enhanced Back Light		1 = No Top PE Receptacle			L = Tool-Less Entry	
1 = 120V		45	J6 = Type II Narrow w/ Visual Comfort Lens						R = Secondary 10kV/5kA SPD
2 = 208V		48	K6 = Type II/III w/ Visual Comfort Lens						T = Secondary 20kV/10kA SPD
3 = 240V			L6 = Type III w/ Visual Comfort Lens						U = DALI Programmable ⁵
4 = 277V		M6 = Type IV w/ Visual Comfort Lens					V1 = Field Adjustable Module ⁶		
D = 347V		N6 = Type II Enhanced Back Light w/ Visual Comfort Lens					Y = Coastal Finish ⁷		
5 = 480V							XXX = Special Options		

¹ Not Available with Fusing

² Nominal IES Type classing subject to typical variation, individual units may differ, review IES files for individual sku typing

³ 7 Pin ANSI C136.41 Receptacle wired for 0-10V control unless DALI Option "U" requested

⁴ Supplied with Leads

⁵ Compatible with LightGrid+

⁶ Not available with DALI "U" option

⁷ Recommended for installations within 750 feet from coast. Lead time varies, check with factory.

Suggested HID Replacement

Approximately 23,000 – 40,000 lumens to replace 250- 400W HPS (Cobrahead).

Note: Actual replacement lumens varies based on application conditions such as mounting height, pole spacing, road geometry and design criteria

CUSTOMER NAME _____

PROJECT NAME _____

DATE _____

TYPE _____

CATALOG NUMBER _____

LUMEN OUTPUT	DISTRIBUTION	TYPICAL INITIAL LUMENS			TYPICAL SYSTEM WATTAGE		BUG RATINGS		
		4000K	3000K	2700K	120V-277V	277V-480V	4000K	3000K	2700K
							B-U-G	B-U-G	B-U-G
25	A6	24750	23760	21780	148	148	B3-U0-G3	B3-U0-G3	B3-U0-G3
	B6	25000	24000	22000			B3-U0-G3	B3-U0-G3	B3-U0-G3
	C6						B3-U0-G4	B3-U0-G4	B3-U0-G3
	D6						B2-U0-G4	B2-U0-G4	B2-U0-G4
	E6	24750	23760	21780			B4-U0-G4	B4-U0-G4	B3-U0-G3
	J6	23640	22690	20800			B3-U0-G3	B3-U0-G3	B3-U0-G3
	K6	23880	22920	21010			B3-U0-G3	B3-U0-G3	B3-U0-G3
	L6						B3-U0-G3	B3-U0-G3	B3-U0-G3
	M6						B3-U0-G3	B3-U0-G3	B3-U0-G3
	N6	23640	22690	20800			B3-U0-G3	B3-U0-G3	B3-U0-G3
30	A6	29700	28510	26140	182	182	B3-U0-G3	B3-U0-G3	B3-U0-G3
	B6	30000	28800	26400			B3-U0-G4	B3-U0-G4	B3-U0-G3
	C6						B3-U0-G4	B3-U0-G4	B3-U0-G4
	D6						B3-U0-G4	B3-U0-G4	B3-U0-G4
	E6	29700	28510	26140			B4-U0-G4	B4-U0-G4	B4-U0-G4
	J6	28360	27230	24960			B4-U0-G3	B3-U0-G3	B3-U0-G3
	K6	28650	27500	25210			B3-U0-G3	B3-U0-G3	B3-U0-G3
	L6						B3-U0-G4	B3-U0-G4	B3-U0-G3
	M6						B3-U0-G4	B3-U0-G4	B3-U0-G4
	N6	28360	27230	24960			B4-U0-G3	B4-U0-G3	B4-U0-G3
33	A6	32670	31360	28750	204	N/A	B4-U0-G4	B4-U0-G4	B3-U0-G3
	B6	33000	31680	29040			B3-U0-G4	B3-U0-G4	B3-U0-G4
	C6						B3-U0-G4	B3-U0-G4	B3-U0-G4
	D6						B3-U0-G4	B3-U0-G4	B3-U0-G4
	E6	32670	31360	28750			B4-U0-G4	B4-U0-G4	B4-U0-G4
	J6	31200	29950	27460			B4-U0-G3	B4-U0-G3	B3-U0-G3
	K6	31520	30260	27740			B3-U0-G3	B3-U0-G3	B3-U0-G3
	L6						B3-U0-G4	B3-U0-G4	B3-U0-G4
	M6						B3-U0-G4	B3-U0-G4	B3-U0-G4
	N6	31200	29950	27460			B4-U0-G4	B4-U0-G4	B4-U0-G3

CUSTOMER NAME _____
 PROJECT NAME _____
 DATE _____ TYPE _____
 CATALOG NUMBER _____

LUMEN OUTPUT	DISTRIBUTION	TYPICAL INITIAL LUMENS			TYPICAL SYSTEM WATTAGE		BUG RATINGS		
		4000K	3000K	2700K	120V-277V	277V-480V	4000K	3000K	2700K
							B-U-G	B-U-G	B-U-G
35	A6	34650	33260	30490	223	223	B4-U0-G4	B4-U0-G4	B4-U0-G3
	B6	35000	33600	30800			B4-U0-G4	B3-U0-G4	B3-U0-G4
	C6						B4-U0-G4	B3-U0-G4	B3-U0-G4
	D6						B3-U0-G5	B3-U0-G4	B3-U0-G4
	E6	34650	33260	30490			B4-U0-G4	B4-U0-G4	B4-U0-G4
	J6	33090	31770	29120			B4-U0-G3	B4-U0-G3	B4-U0-G3
	K6	33430	32090	29420			B4-U0-G4	B4-U0-G3	B3-U0-G3
	L6						B4-U0-G4	B4-U0-G4	B3-U0-G4
	M6						B3-U0-G4	B3-U0-G4	B3-U0-G4
	N6	33090	31770	29120			B4-U0-G4	B4-U0-G4	B4-U0-G3
40	A6	39600	38020	34850	261	261	B4-U0-G4	B4-U0-G4	B4-U0-G4
	B6	40000	38400	35200			B4-U0-G4	B4-U0-G4	B4-U0-G4
	C6						B4-U0-G5	B4-U0-G5	B4-U0-G4
	D6						B3-U0-G5	B3-U0-G5	B3-U0-G5
	E6	39600	38020	34850			B4-U0-G4	B4-U0-G4	B4-U0-G4
	J6	37820	36310	33280			B4-U0-G4	B4-U0-G3	B4-U0-G3
	K6	38200	36670	33620			B4-U0-G4	B4-U0-G4	B4-U0-G4
	L6						B4-U0-G4	B4-U0-G4	B4-U0-G4
	M6						B3-U0-G5	B3-U0-G4	B3-U0-G4
	N6	37820	36310	33280			B4-U0-G4	B4-U0-G4	B4-U0-G4
45	A6	44550	42770	39200	302	302	B4-U0-G4	B4-U0-G4	B4-U0-G4
	B6	45000	43200	39600			B4-U0-G5	B4-U0-G5	B4-U0-G4
	C6						B4-U0-G5	B4-U0-G5	B4-U0-G5
	D6						B3-U0-G5	B3-U0-G5	B3-U0-G5
	E6	44550	42770	39200			B4-U0-G4	B4-U0-G4	B4-U0-G4
	J6	42550	40850	37440			B4-U0-G4	B4-U0-G4	B4-U0-G4
	K6	42980	41260	37820			B4-U0-G4	B4-U0-G4	B4-U0-G4
	L6						B4-U0-G5	B4-U0-G5	B4-U0-G4
	M6						B3-U0-G5	B3-U0-G5	B3-U0-G5
	N6	42550	40850	37440			B5-U0-G4	B5-U0-G4	B4-U0-G4

CUSTOMER NAME _____
 PROJECT NAME _____
 DATE _____ TYPE _____
 CATALOG NUMBER _____

LUMEN OUTPUT	DISTRIBUTION	TYPICAL INITIAL LUMENS			TYPICAL SYSTEM WATTAGE		BUG RATINGS		
		4000K	3000K	2700K	120V-277V	277V-480V	4000K	3000K	2700K
							B-U-G	B-U-G	B-U-G
48	A6	48000	46080	43920	342	342	B4-U0-G4	B4-U0-G4	B4-U0-G4
	B6						B4-U0-G5	B4-U0-G5	B4-U0-G5
	C6						B4-U0-G5	B4-U0-G5	B4-U0-G5
	D6						B3-U0-G5	B3-U0-G5	B3-U0-G5
	E6						B5-U0-G5	B5-U0-G5	B4-U0-G4
	J6	45840	44006	41944			B4-U0-G4	B4-U0-G4	B4-U0-G4
	K6						B4-U0-G4	B4-U0-G4	B4-U0-G4
	L6						B4-U0-G5	B4-U0-G5	B4-U0-G5
	M6						B3-U0-G5	B3-U0-G5	B3-U0-G5
	N6						B5-U0-G4	B5-U0-G4	B5-U0-G4

CUSTOMER NAME _____

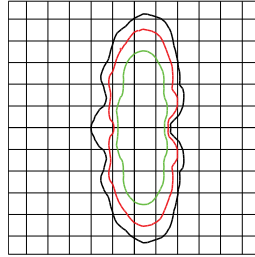
PROJECT NAME _____

DATE _____

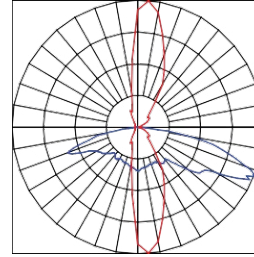
TYPE _____

CATALOG NUMBER _____

ERLS
Type II Narrow
45,000 Lumens
4000K
ERLS_45A640.IES

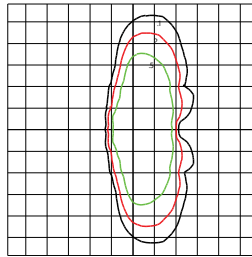


- Mounting Height at 50'
- Initial Footcandle at Grade

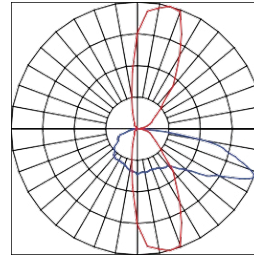


- Vertical plane at max Cd horiz. angle 85°
- Horizontal cone at max Cd vert. angle 67°

ERLS
Type II Wide
45,000 Lumens
4000K
ERLS_45B640.IES

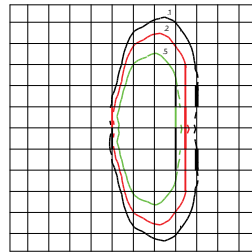


- Mounting Height at 50'
- Initial Footcandle at Grade

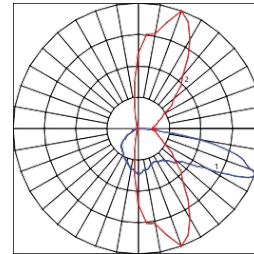


- Vertical plane at max Cd horiz. angle 75°
- Horizontal cone at max Cd vert. angle 68°

ERLS
Type III
45,000 Lumens
4000K
ERLS_45C640.IES

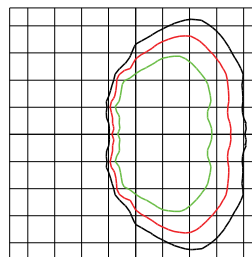


- Mounting Height at 50'
- Initial Footcandle at Grade

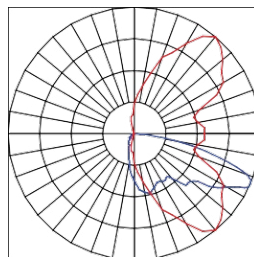


- Vertical plane at max Cd horiz. angle 70°
- Horizontal cone at max Cd vert. angle 68°

ERLS
Type IV
45,000 Lumens
4000K
ERLS_45D640.IES
Forward Throw

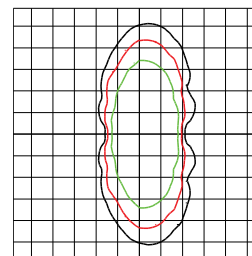


- Mounting Height at 50'
- Initial Footcandle at Grade

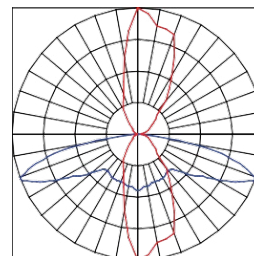


- Vertical plane at max Cd horiz. angle 45°
- Horizontal cone at max Cd vert. angle 67°

ERLS
Type II Enhanced Backlight
45,000 Lumens
4000K
ERLS_45E640.IES



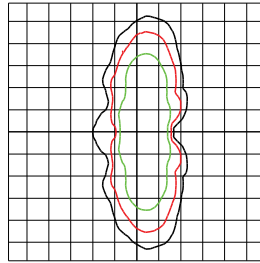
- Mounting Height at 50'
- Initial Footcandle at Grade



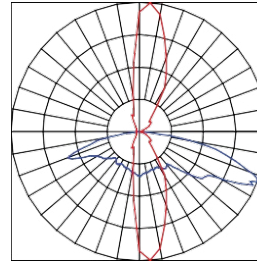
- Vertical plane at max Cd horiz. angle 90°
- Horizontal cone at max Cd vert. angle 69°

CUSTOMER NAME _____
 PROJECT NAME _____
 DATE _____ TYPE _____
 CATALOG NUMBER _____

ERLS
 Type II Narrow
 45,000 Lumens
 4000K
 ERLS_45J640.IES

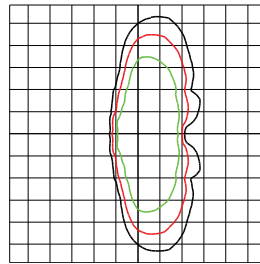


- Mounting Height at 50'
- Initial Footcandle at Grade

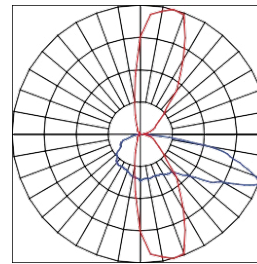


- Vertical plane at max Cd horiz. angle 0°
- Horizontal cone at max Cd vert. angle 24°

ERLS
 Type II Wide
 45,000 Lumens
 4000K
 ERLS_45K640.IES

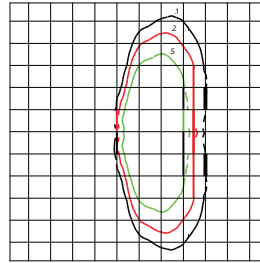


- Mounting Height at 50'
- Initial Footcandle at Grade

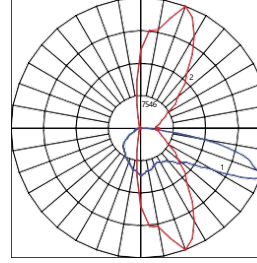


- Vertical plane at max Cd horiz. angle 0°
- Horizontal cone at max Cd vert. angle 37°

ERLS
 Type III
 45,000 Lumens
 4000K
 ERLS_45L640.IES

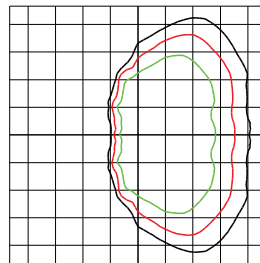


- Mounting Height at 50'
- Initial Footcandle at Grade

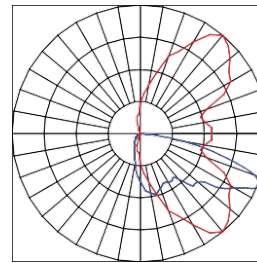


- Vertical plane at max Cd horiz. angle 65°
- Horizontal cone at max Cd vert. angle 59°

ERLS
 Type IV
 45,000 Lumens
 4000K
 ERLS_45M640.IES
 Forward Throw

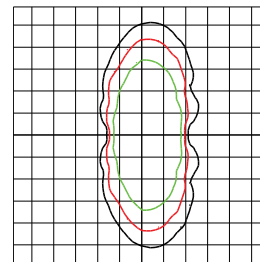


- Mounting Height at 50'
- Initial Footcandle at Grade

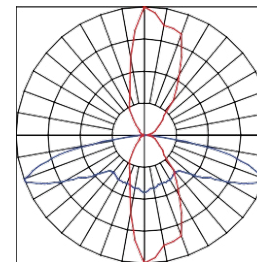


- Vertical plane at max Cd horiz. angle 0°
- Horizontal cone at max Cd vert. angle 24°

ERLS
 Type II Enhanced Backlight
 45,000 Lumens
 4000K
 ERLS_45N640.IES



- Mounting Height at 50'
- Initial Footcandle at Grade



- Vertical plane at max Cd horiz. angle 85°
- Horizontal cone at max Cd vert. angle 58°

CUSTOMER NAME _____

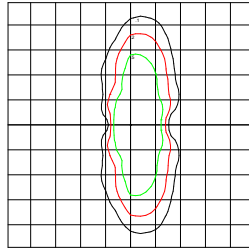
PROJECT NAME _____

DATE _____

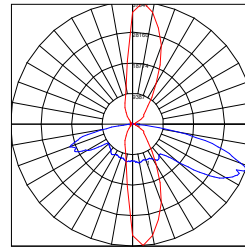
TYPE _____

CATALOG NUMBER _____

ERLS
Type II Narrow
48,000 Lumens
4000K
ERLS_48A640.IES

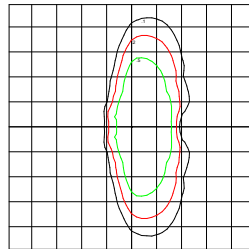


- Mounting Height at 50'
- Initial Footcandle at Grade

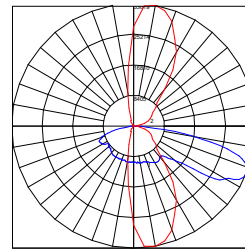


- Vertical plane at max Cd horiz. angle 85°
- Horizontal cone at max Cd vert. angle 68°

ERLS
Type II Wide
48,000 Lumens
4000K
ERLS_48B640.IES

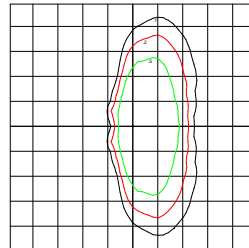


- Mounting Height at 50'
- Initial Footcandle at Grade

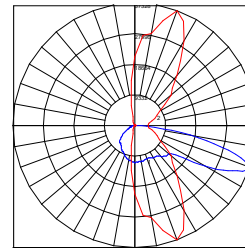


- Vertical plane at max Cd horiz. angle 80°
- Horizontal cone at max Cd vert. angle 69°

ERLS
Type III
48,000 Lumens
4000K
ERLS_48C640.IES

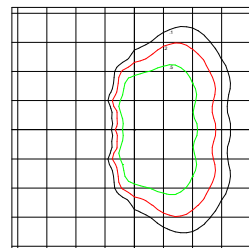


- Mounting Height at 50'
- Initial Footcandle at Grade

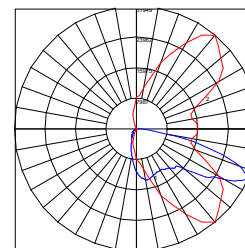


- Vertical plane at max Cd horiz. angle 70°
- Horizontal cone at max Cd vert. angle 69°

ERLS
Type IV
48,000 Lumens
4000K
ERLS_48D640.IES

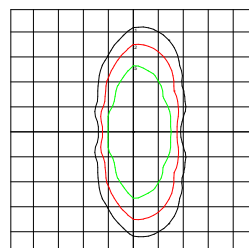


- Mounting Height at 50'
- Initial Footcandle at Grade

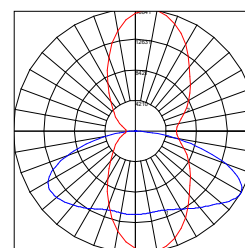


- Vertical plane at max Cd horiz. angle 50°
- Horizontal cone at max Cd vert. angle 66°

ERLS
Type II Enhanced Backlight
48,000 Lumens
4000K
ERLS_48E640.IES



- Mounting Height at 50'
- Initial Footcandle at Grade



- Vertical plane at max Cd horiz. angle 90°
- Horizontal cone at max Cd vert. angle 69°

CUSTOMER NAME _____

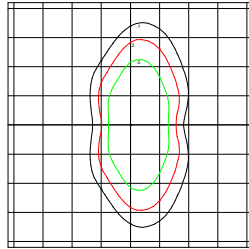
PROJECT NAME _____

DATE _____

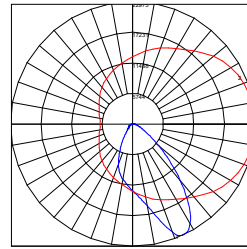
TYPE _____

CATALOG NUMBER _____

ERLS
Type II Narrow
45,840 Lumens
4000K
ERLS_48J640.IES

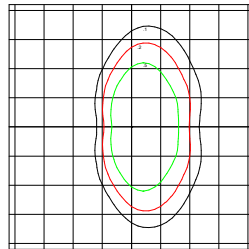


- Mounting Height at 50'
- Initial Footcandle at Grade

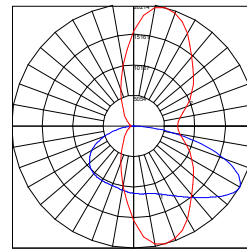


- Vertical plane at max Cd horiz. angle 0°
- Horizontal cone at max Cd vert. angle 24°

ERLS
Type II Wide
45,840 Lumens
4000K
ERLS_48K640.IES

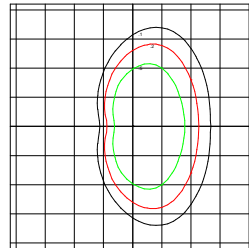


- Mounting Height at 50'
- Initial Footcandle at Grade

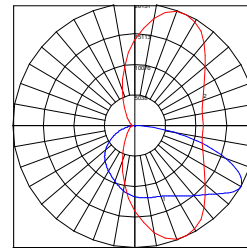


- Vertical plane at max Cd horiz. angle 75°
- Horizontal cone at max Cd vert. angle 60°

ERLS
Type III
45,840 Lumens
4000K
ERLS_48L640.IES

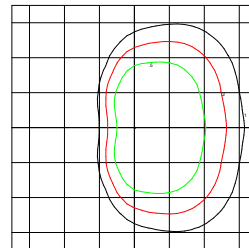


- Mounting Height at 50'
- Initial Footcandle at Grade

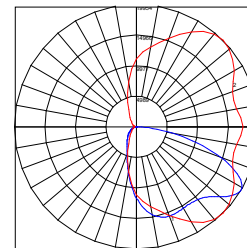


- Vertical plane at max Cd horiz. angle 65°
- Horizontal cone at max Cd vert. angle 60°

ERLS
Type IV
45,840 Lumens
4000K
ERLS_48M640.IES

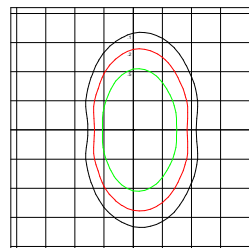


- Mounting Height at 50'
- Initial Footcandle at Grade

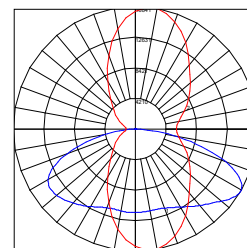


- Vertical plane at max Cd horiz. angle 45°
- Horizontal cone at max Cd vert. angle 59°

ERLS
Type II Enhanced Backlight
45,840 Lumens
4000K
ERLS_48N640.IES



- Mounting Height at 50'
- Initial Footcandle at Grade

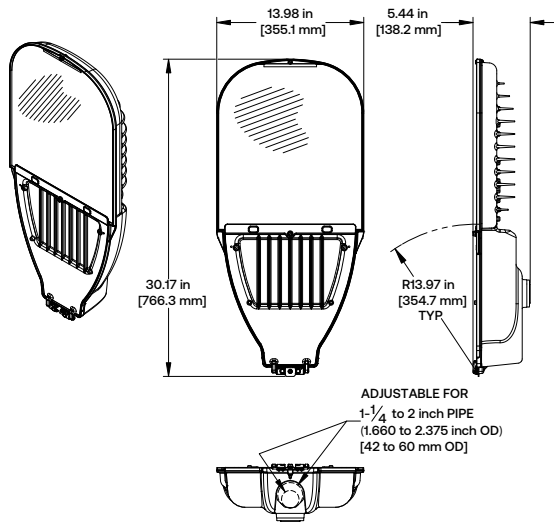


- Vertical plane at max Cd horiz. angle 80°
- Horizontal cone at max Cd vert. angle 59°

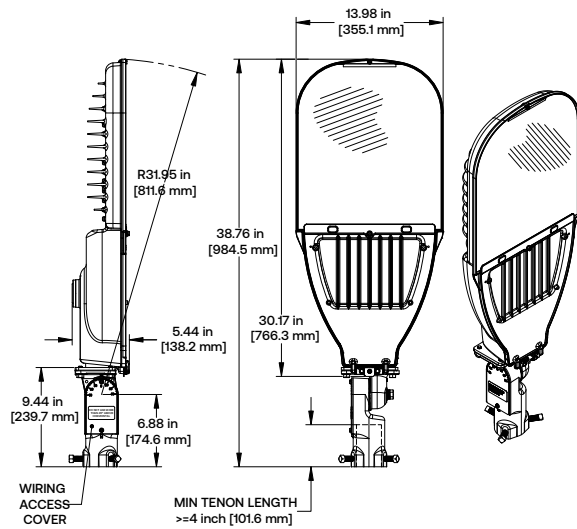
CUSTOMER NAME _____
 PROJECT NAME _____
 DATE _____ TYPE _____
 CATALOG NUMBER _____

Mounting/Dimensions

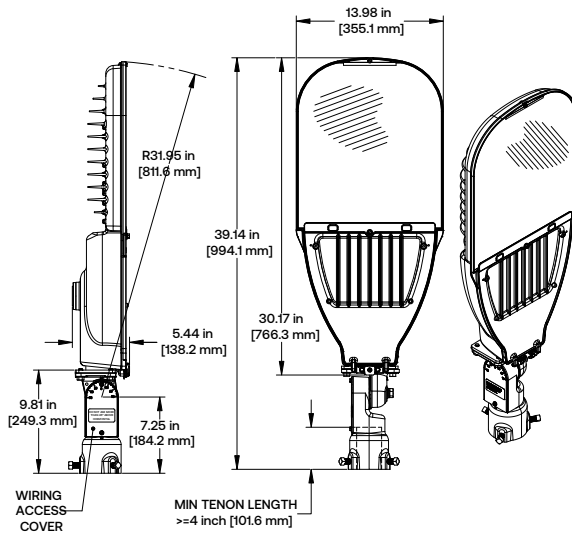
Internal SF Mounting



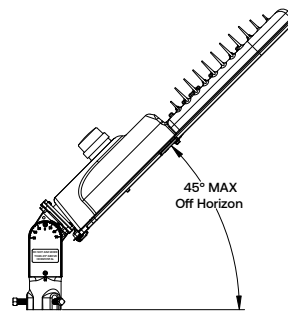
K1 Mounting



S1 Mounting



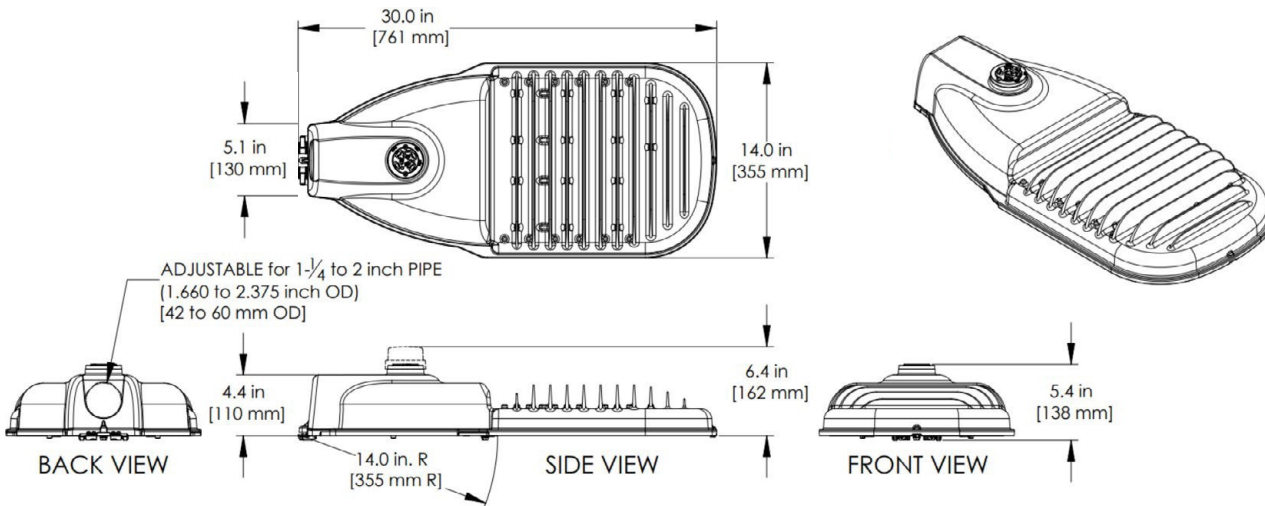
Aiming Restrictions



K1/S1 Mounting

CUSTOMER NAME _____
 PROJECT NAME _____
 DATE _____ TYPE _____
 CATALOG NUMBER _____

Dimensions



Standard (N1) Mounting

- Adjustable for 1.25 to 2 in. nominal mounting pipe (1.660 to 2.375 inch OD)
- Integral diecast mounting pipe stop
- Slipfitter with +/- 5 degrees of leveling adjustment

Effective Projected Area

MOUNTING	ANGLE (DEGREES)	MAX EPA
N1	0	0.60ft ² (.056 m ²)
K1/S1	0	0.90ft ² (.083 m ²)
	22.5	1.39ft ² (.129 m ²)
	45	2.15 ft ² (.200 m ²)

Weight

- Fixture (w/o knuckle) ≤ 26.0 (11.8kg)
- With K1 or S1 Knuckle ≤ 32.9 lbs (14.9 kgs)

Accessories

SAP NUMBER	PART NUMBER	DESCRIPTION
93029237G	PED-MV-LED-7	ANSI C136.41 Dimming PE, 120-277V
93029238G	PED-347-LED-7	ANSI C136.41 Dimming PE, 347V
93029239G	PED-480-LED-7	ANSI C136.41 Dimming PE, 480V
28299	PEC0TL	Long Life PE 120-277V
93147530	PECHTL	Long Life PE 277-480V
73251	SCCL-PECTL	Shorting Cap

Network Lighting Controls

DESCRIPTION



Current's **LightGrid+**™ Outdoor Lighting Control System is designed for Street and Roadway Applications. It enables remote monitoring, control, and asset management of a single fixture or a group of fixtures through a web enabled Central Management System.