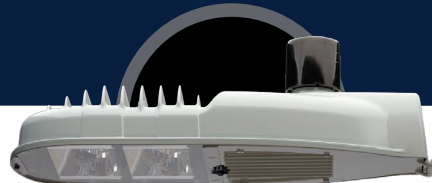
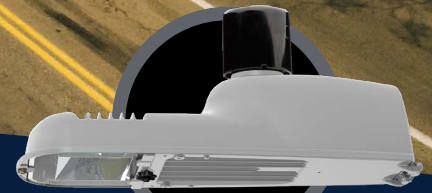




EVOLVE

LED Roadway Lighting

ERLC-ERL1-ERLH-ERL2





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

The Evolve® LED Roadway ERLC Luminaire is optimized utilizing advanced LED reflective optical system for local, collector and major roadways. The modern design incorporates the heat sink directly into the unit for heat transfer to prolong LED life.

Construction

Housing:	Aluminum die cast enclosure casting integral heat sink for maximum heat transfer
Lens:	Impact resistant tempered glass
Paint:	Corrosion resistant powder paint, ≥ 2.0 mil thickness (RAL & custom colors available) Standard = Black, Dark Bronze, Gray, White Optional = Coastal Finish
Weight:	8.5 lbs (5.6 kgs)

Optical System

Lumens:	2,000 - 7,000
Distribution:	Type II Narrow, II/III ³ , III, V
Efficacy:	110-143 LPW
CCT:	2700K, 3000K, 4000K & 5000K
CRI:	≥ 70

Electrical

Input Voltage:	120-277V (no 347-480V)
Input Frequency:	50/60Hz
Power Factor:	$\geq 90\%$ at rated watts
Total Harmonic Distortion:	$\leq 20\%$ 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 CODES	DISTRIBUTIONS	LXX(10K) @ HOURS		
		25,000 HR	50,000 HR	60,000 HR
02, 03, 04, 05	A5, B5, C5	L97	L93	L92
06	A5, B5, C5	L96	L91	L89

LUMEN CODES	DISTRIBUTIONS	LXX(10K) @ HOURS		
		25,000 HR	50,000 HR	60,000 HR
02, 03, 04, 05	V4	L96	L93	L93
06	V4	L94	L90	L88

Ratings

Operating Temperature:	-40°C to 50°C
Vibration:	3G per ANSI C136.31-2018
LM-79:	Testing in accordance with IES Standards

Controls

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

Warranty

5 Year (Standard)

10 Year (Optional)



Not all product variations listed on this page are DLC qualified. Visit www.designlights.org/search to confirm qualifications.

Ordering Information

ERLC

PROD. ID	VOLTAGE	LUMENS	DISTRIBUTION	CCT	CONTROLS PER ANSI C136.41	COLOR	OPTIONS
E = Evolve	0 = 120-277V ¹	02 = 2000 lm ²	A5 = II Narrow	27 = 2700K ⁴	A = 7-Pin Receptacle	BLCK = Black	B = Tether
R = Roadway	8 = 120-240V ¹	03 = 3000 lm	B5 = Type II/III ³	30 = 3000K ⁴	D = 7-Pin Receptacle with Shorting Cap	DKBZ = Dark Bronze	C1 = Captive Door
L = Local		04 = 4000 lm	C5 = Type III	40 = 4000K	E = 7 Pin Receptacle with Long Life non-Dimming PE Control	GRAY = Gray	F = Fusing
C = Compact	1 = 120V	05 = 5000 lm	V4 = Type V	50 = 5000K	Note: 0-10V control standard unless DALI Option "U" requested	WHITE = White	G = Internal Bubble Level
	2 = 208V	06 = 6000 lm					L = Tool-Less Entry
	3 = 240V	07 = 7000 lm					M1 = MagnaPak ⁸
	4 = 277V						R = Secondary 10kV/5kA SPD
							T = Secondary 20kV/10kA SPD
							U = DALI Programmable ⁵
							V1 = Field Adjustable Module ¹⁷
							Y = Coastal Finish ⁶
							XXX = Special Options

¹ Not Available with Fusing

² Lumen choice only offered for 120-240V

³ See ISO plots of the B5 Distribution

⁴ Select 2700K or 3000K CCT for IDA approved units

⁵ Compatible with LightGrid

⁶ Recommended for installations within 750 feet from coast. Lead time varies, check with factory.

⁷ Not available with DALI "U" option

⁸ Option M1 provides for MagnaPak – 40 Fixtures per MagnaPak Container. Single Pack box is standard

Suggested HID Replacement

- Approximately 2,000 - 7,000 lumens to replace 50-100W HPS Cobra-head

Note: actual replacement lumens may vary based upon mounting height, pole spacing, design criteria, etc.

PREVIOUS	OPTICAL PATTERN	LATEST	NEW OPTICAL PATTERN
A3	Type II Narrow	A5	Type II Narrow
B3	Type II Wide	B5	Type II/III
C3	Type III	C5	Type III
N/A	Type V	V4	Type V

The information above is designed to provide a guideline to select the correct luminaire for a roadway application. The best and most accurate way to ensure the proper design is by doing a lighting layout.



Not all product variations listed on this page are DLC qualified. Visit www.designlights.org/search to confirm qualifications.

LUMEN OUTPUT	DIST.	LUMENS			WATTAGE	BUG RATINGS		
		4000K/5000K	3000K	2700K	120-277V	4000K/5000K	3000K	2700K
02	A5	2000	1940	1760	15	B1-U0-G1	B1-U0-G1	B1-U0-G1
	B5	2000	1940	1760	15	B1-U0-G1	B1-U0-G1	B1-U0-G1
	C5	2000	1940	1760	15	B1-U0-G1	B1-U0-G1	B1-U0-G1
	V4	1990	1950	1890	15	B1-U0-G0	B1-U0-G0	B1-U0-G0
03	A5	3000	2910	2640	22	B1-U0-G1	B1-U0-G1	B1-U0-G1
	B5	3000	2910	2640	22	B1-U0-G1	B1-U0-G1	B1-U0-G1
	C5	3000	2910	2640	22	B1-U0-G1	B1-U0-G1	B1-U0-G1
	V4	3100	3030	2950	23	B1-U0-G0	B1-U0-G0	B1-U0-G0
04	A5	4000	3880	3520	28	B1-U0-G1	B1-U0-G1	B1-U0-G1
	B5	4000	3880	3520	28	B1-U0-G1	B1-U0-G1	B1-U0-G1
	C5	4000	3880	3520	28	B1-U0-G1	B1-U0-G1	B1-U0-G1
	V4	4030	3940	3840	32	B2-U0-G0	B2-U0-G0	B2-U0-G0
05	A5	5000	4850	4400	36	B1-U0-G1	B1-U0-G1	B1-U0-G1
	B5	5000	4850	4400	36	B1-U0-G1	B1-U0-G1	B1-U0-G1
	C5	5000	4850	4400	36	B1-U0-G2	B1-U0-G2	B1-U0-G1
	V4	5200	5090	4950	43	B2-U0-G1	B2-U0-G1	B2-U0-G1
06	A5	6000	5820	5280	46	B2-U0-G2	B1-U0-G1	B1-U0-G1
	B5	6000	5820	5280	46	B1-U0-G2	B1-U0-G2	B1-U0-G2
	C5	6000	5820	5280	46	B1-U0-G2	B1-U0-G2	B1-U0-G2
	V4	6350	6220	6050	55	B2-U0-G1	B2-U0-G1	B2-U0-G1
07	A5	7000	6790	6160	56	B2-U0-G2	B2-U0-G2	B2-U0-G2
	B5	7000	6790	6160	56	B1-U0-G2	B1-U0-G2	B1-U0-G2
	C5	7000	6790	6160	56	B1-U0-G2	B1-U0-G2	B1-U0-G2

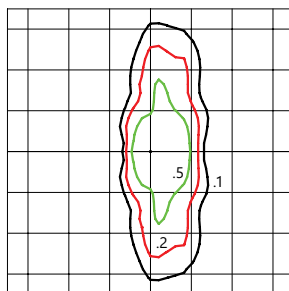
For additional information on ERLC IES files, please click one of the following links:

[Non-Shielded](#)

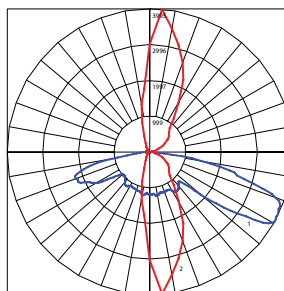
[Shielded](#)

ERLC Type II Narrow

5,000 Lumens
4000K
ERLC_05A540_...



- Mounting Height at 30'
- Initial Footcandle at Grade

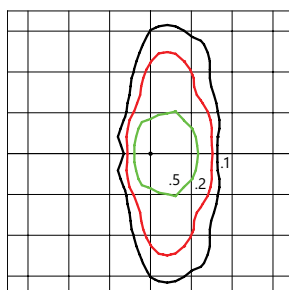


- Vertical plane at max Cd horiz. angle
- Horizontal cone at max Cd vert. angle

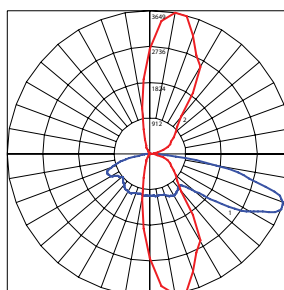
ERLC Type II/III³

5,000 Lumens
4000K
ERLC_05B540_...IES

³ This optic is designed to address a Roadway Photometric Application and may classify as Type II or III.



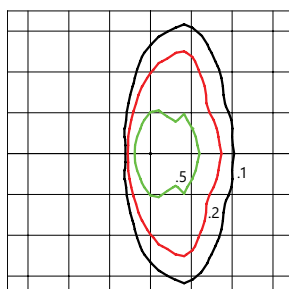
- Mounting Height at 30'
- Initial Footcandle at Grade



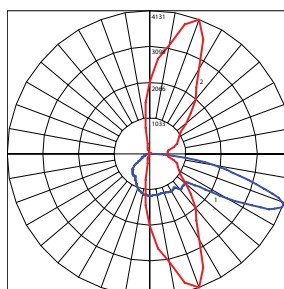
- Vertical plane at max Cd horiz. angle
- Horizontal cone at max Cd vert. angle

ERLC Type III

5,000 Lumens
4000K
ERLC_05C540_...IES



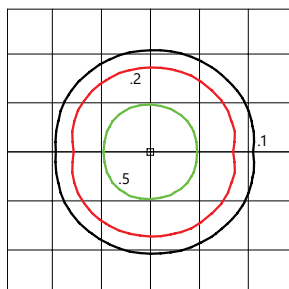
- Mounting Height at 30'
- Initial Footcandle at Grade



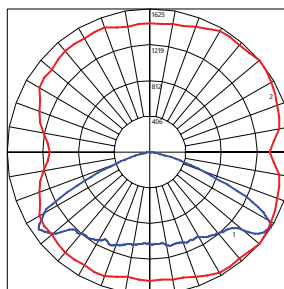
- Vertical plane at max Cd horiz. angle
- Horizontal cone at max Cd vert. angle

ERLC Type V

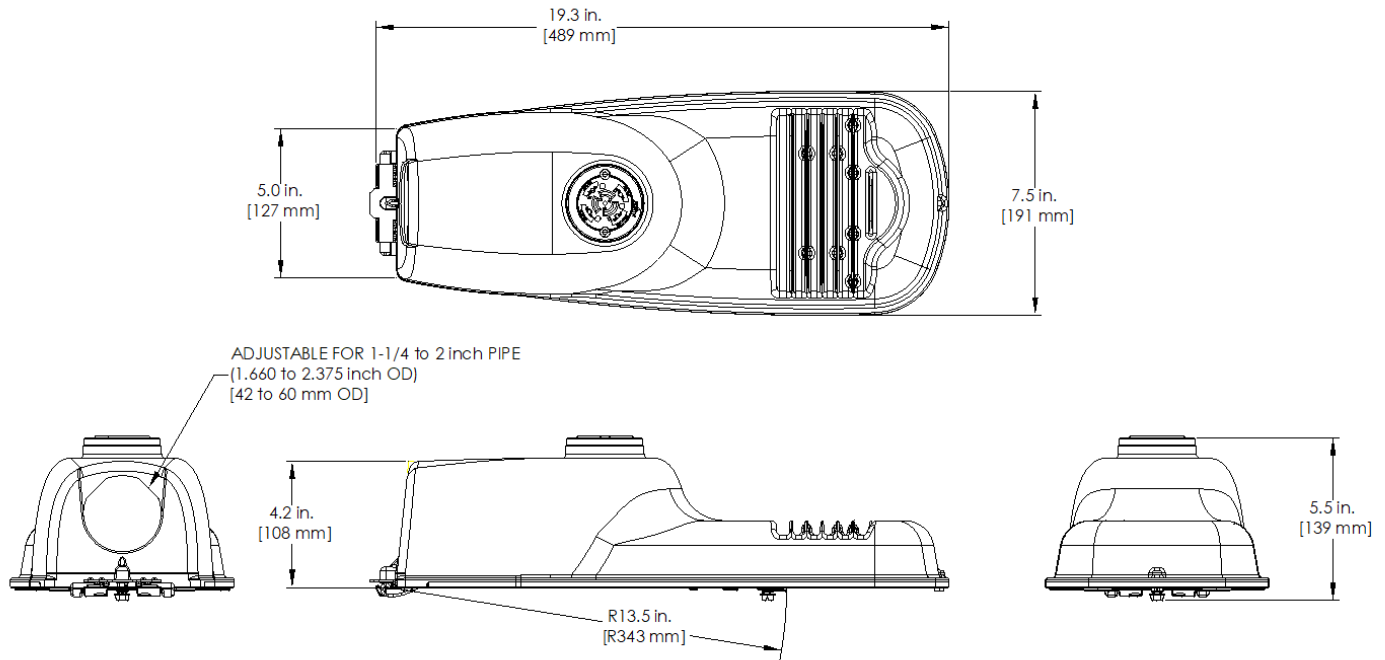
5,200 Lumens
4000K
ERLC_05V440_...IES



- Mounting Height at 30'
- Initial Footcandle at Grade



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



Mounting

- Adjustable for 1.25 to 2 in. nominal mounting pipe
- Integral diecast mounting pipe stop
- Slipfitter with +/- 5 degrees of leveling adjustment

Effective Projected Area

- 0.3 sq ft max (0.029 sq m)

Weight

- Approximate net weight: 8.5 lbs (3.8 kgs)

Accessories

SAP NUMBER	PART NUMBER	DESCRIPTION
93029237	PED-MV-LED-7	ANSI C136.41 Dimming PE, 120-277V
93029238	PED-347-LED-7	ANSI C136.41 Dimming PE, 347V
93029239	PED-480-LED-7	ANSI C136.41 Dimming PE, 480V
28299	PECOTL	Standard 120-277V
XXXXXX	PECHTL	Standard 347-480V
73251	SCCL-PECTL	Shorting Cap

See pages 22 & 23 for more detailed information on ERLC Shields.

Networked Lighting Control



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.



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

The Evolve® LED Roadway ERL1 Luminaire is optimized utilizing advanced LED reflective optical system for local, collector and major roadways. The modern design incorporates the heat sink directly into the unit for heat transfer to prolong LED life.

Construction

Housing:	Aluminum die cast enclosure casting integral heat sink for maximum heat transfer
Lens:	Impact resistant tempered glass
Paint:	Corrosion resistant powder paint, ≥ 2.0 mil thickness (RAL & custom colors available) Standard = Black, Dark Bronze, Gray, White Optional = Coastal Finish
Weight:	12.4 lbs (5.6kgs)

Optical System

Lumens:	2,000 - 10,000
Distribution:	Type II, III, IV and Type II Narrow, and Type II Enhanced Backlight
Efficacy:	110-143 LPW
CCT:	2700K, 3000K, 4000K
CRI:	≥ 70

Electrical

Input Voltage:	120-277V or 347-480V
Input Frequency:	50/60Hz
Power Factor:	$\geq 90\%$ at rated watts
Total Harmonic Distortion:	$\leq 20\%$ 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

LUMEN CODES	DISTRIBUTIONS	LXX(10K) @ HOURS		
		25,000 HR	50,000 HR	60,000 HR
02,03,04, 05,06	A3,B3,C3, D3,E3	L96	L95	L94
07,08,09	A3,B3,C3, D3,E3	L95	L91	L89
10	A3,B3,C3, D3,E3	L89	L80	L76

Ratings

Operating Temperature:	-40°C to 50°C
Vibration:	3G per ANSI C136.31-2018
LM-79:	Testing in accordance with IES Standards

Controls

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

Warranty

5 Year (Standard)

10 Year (Optional)



Not all product variations listed on this page are DLC qualified. Visit www.designlights.org/search to confirm qualifications.

Ordering Information

ERL1

PROD. ID	VOLTAGE	LUMENS	DISTRIBUTION ³	CCT	CONTROLS PER ANSI C136.41	COLOR	OPTIONS
E = Evolve	0 = 120-277V ¹	02 = 2000 lm ²	A3 = Type II Narrow	27 = 2700K ⁴	A = 7-Pin Receptacle	BLCK = Black	A = 4 Bolt Slipfitter ⁵
R = Roadway	H = 347-480V ¹	03 = 3000 lm	B3 = Type II Wide	30 = 3000K ⁴	D = 7-Pin Receptacle with Shorting Cap	DKBZ = Dark Bronze	B = Tether
L = Local		04 = 4000 lm	C3 = Type III	40 = 4000K	E = 7 Pin Receptacle with Long Life non-Dimming PE Control	GRAY = Gray	F = Fusing
1 = Single Module	1 = 120V	05 = 5000 lm	D3 = Type IV		Note: 0-10V control standard unless DALI Option "U" requested	WHITE= White	G = Internal Bubble Level
	2 = 208V	06 = 6000 lm	E3 = Type II Enhanced Back Light				I = Optional IP66 Optical
	3 = 240V	07 = 7000 lm					L = Tool-Less Entry
	4 = 277V	08 = 8000 lm					R = Secondary 10kV/5kA SPD
	D = 347V	09 = 9000 lm					T = Secondary 20kV/10kA SPD
	5 = 480V	10 = 10000 lm					U = DALI Programmable ^{6,7}
							V1 = Field Adjustable Module ^{10, 11}
							X = Single Pack ⁸
							Y = Coastal Finish ⁹
							XXX = Special Options

¹ Not Available with Fusing

² 02 lumen level voltage options 1, 2, 3, and 8 only

³ Nominal IES Type classing subject to typical variation, individual units may differ

⁴ Select 2700K or 3000K CCT for IDA approved units

⁵ Lead time varies, Contact Factory

⁶ Compatible with LightGrid

⁷ Not available in 347V, 480V or 347-480V for Lumen Output Levels 07-10

⁸ Option provides single pack box per fixture. Standard packaging = 23 units per MagnaPak Container

⁹ Recommended for installations within 750 feet from coast. Lead time varies, check with factory.

¹⁰ Not available with DALI "U" option

¹¹ Not compatible with 02 Lumen Code

Suggested HID Replacement

- 4,000 - 5,000 lumens to replace 100W HPS Cobra-head
- 7,000 - 8,000 lumens to replace 150W HPS Cobra-head
- 8,500 - 11,500 lumens to replace 100W HPS Cobra-head

Note: actual replacement lumens may vary based upon mounting height, pole spacing, design criteria, etc.

PREVIOUS	OPTICAL PATTERN	LATEST	NEW OPTICAL PATTERN
A1, B1	Extra Narrow/Narrow Asymmetric	A3	Type II Narrow
C1, E1	Asymmetric Short/Medium	B3	Type II Wide
D1, G1	Asymmetric Forward/Extra Wide	C3	Type III
F1	Asymmetric Wide	D3	Type IV
N/A	N/A	E3	Type II Enhanced Back Light

The information above is designed to provide a guideline to select the correct luminaire for a roadway application. The best and most accurate way to ensure the proper design is by doing a lighting layout.



Not all product variations listed on this page are DLC qualified. Visit www.designlights.org/search to confirm qualifications.

CUSTOMER NAME _____

PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

LUMEN OUTPUT	DIST.	LUMENS			WATTAGE		BUG RATINGS		
		4000K	3000K	2700K	277V	480V	4000K	3000K	2700K
02	A3	2000	1900	1900	14	N/A	B1-U0-G1	B1-U0-G1	B1-U0-G1
	B3						B1-U0-G1	B1-U0-G1	B1-U0-G1
	C3						B1-U0-G1	B1-U0-G1	B1-U0-G1
	D3						B0-U0-G1	B0-U0-G1	B0-U0-G1
	E3						B1-U0-G1	B1-U0-G1	B1-U0-G1
03	A3	3000	2900	2800	22	26	B1-U0-G1	B1-U0-G1	B1-U0-G1
	B3						B1-U0-G1	B1-U0-G1	B1-U0-G1
	C3						B1-U0-G1	B1-U0-G1	B1-U0-G1
	D3						B1-U0-G1	B1-U0-G1	B1-U0-G1
	E3						B1-U0-G1	B1-U0-G1	B1-U0-G1
04	A3	4000	3900	3800	31	34	B1-U0-G1	B1-U0-G1	B1-U0-G1
	B3						B1-U0-G1	B1-U0-G1	B1-U0-G1
	C3						B1-U0-G1	B1-U0-G1	B1-U0-G1
	D3						B1-U0-G1	B1-U0-G1	B1-U0-G1
	E3						B1-U0-G1	B1-U0-G1	B1-U0-G1
05	A3	5000	4900	4700	39	43	B1-U0-G1	B1-U0-G1	B1-U0-G1
	B3						B1-U0-G1	B1-U0-G1	B1-U0-G1
	C3						B1-U0-G2	B1-U0-G2	B1-U0-G2
	D3						B1-U0-G1	B1-U0-G1	B1-U0-G1
	E3						B1-U0-G1	B1-U0-G1	B1-U0-G1
06	A3	6000	5800	5700	47	52	B2-U0-G2	B2-U0-G2	B2-U0-G2
	B3						B1-U0-G2	B1-U0-G2	B1-U0-G2
	C3						B1-U0-G2	B1-U0-G2	B1-U0-G2
	D3						B1-U0-G2	B1-U0-G2	B1-U0-G2
	E3						B2-U0-G2	B2-U0-G2	B2-U0-G2
07	A3	7000	6800	6600	58		B2-U0-G2	B2-U0-G2	B2-U0-G2
	B3						B1-U0-G2	B1-U0-G2	B1-U0-G2
	C3						B1-U0-G2	B1-U0-G2	B1-U0-G2
	D3						B1-U0-G2	B1-U0-G2	B1-U0-G2
	E3						B2-U0-G2	B2-U0-G2	B2-U0-G2
08	A3	8000	7800	7600	71		B2-U0-G2	B2-U0-G2	B2-U0-G2
	B3						B2-U0-G2	B2-U0-G2	B2-U0-G2
	C3						B1-U0-G2	B1-U0-G2	B1-U0-G2
	D3						B1-U0-G2	B1-U0-G2	B1-U0-G2
	E3						B2-U0-G2	B2-U0-G2	B2-U0-G2
09	A3	9000	8800	8500	84		B2-U0-G2	B2-U0-G2	B2-U0-G2
	B3						B2-U0-G2	B2-U0-G2	B2-U0-G2
	C3						B2-U0-G2	B2-U0-G2	B1-U0-G2
	D3						B1-U0-G2	B1-U0-G2	B1-U0-G2
	E3						B2-U0-G2	B2-U0-G2	B2-U0-G2

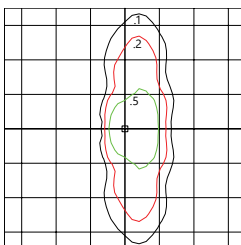
For additional information on ERL1 IES files, please click one of the following links:

[Non-Shielded](#)

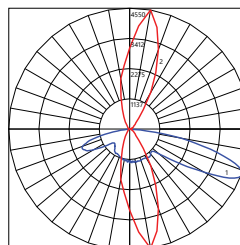
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ERL1
Type II Narrow

5,000 Lumens
4000K
ERL1_05A340_---



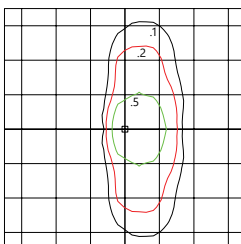
- Mounting Height at 30'
- Initial Footcandle at Grade



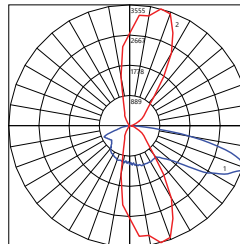
- Vertical plane at max Cd horiz. angle 80°
- Horizontal cone at max Cd vert. angle 67°

ERL1
Type II Wide

5,000 Lumens
4000K
ERL1_05B340_...IES



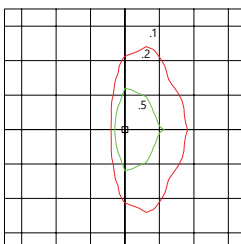
- Mounting Height at 30'
- Initial Footcandle at Grade



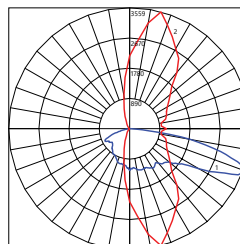
- Vertical plane at max Cd horiz. angle 75°
- Horizontal cone at max Cd vert. angle 69°

ERL1
Type III

5,000 Lumens
4000K
ERL1_05C340_...IES



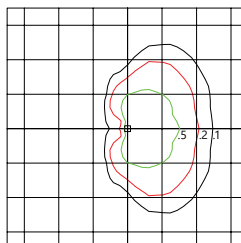
- Mounting Height at 30'
- Initial Footcandle at Grade



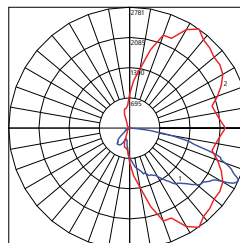
- Vertical plane at max Cd horiz. angle 75°
- Horizontal cone at max Cd vert. angle 70°

ERL1
Type IV

5,000 Lumens
4000K
ERL1_05D340_...IES



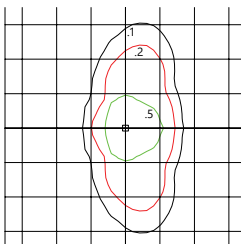
- Mounting Height at 30'
- Initial Footcandle at Grade



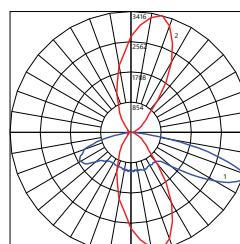
- Vertical plane at max Cd horiz. angle 55°
- Horizontal cone at max Cd vert. angle 64°

ERL1
Type II Enhanced Back Light

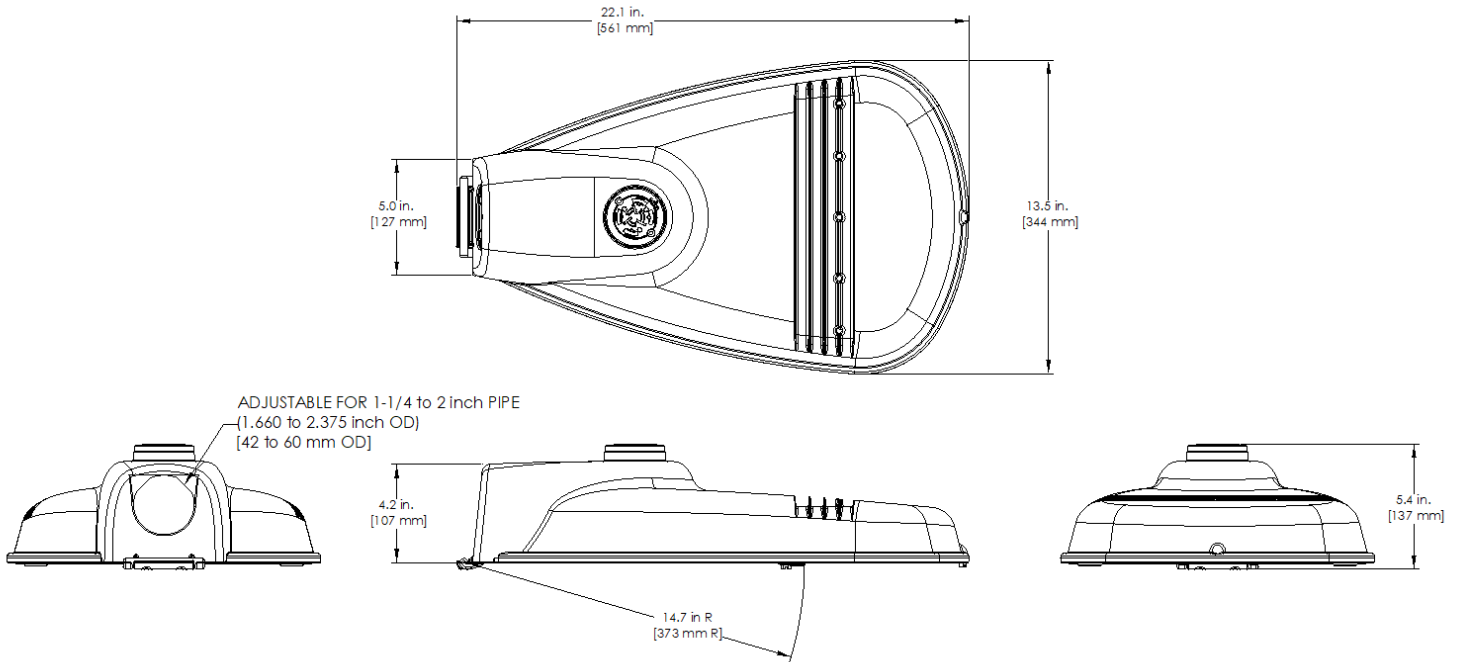
5,000 Lumens
4000K
ERL1_05E340_...IES



- Mounting Height at 30'
- Initial Footcandle at Grade



- Vertical plane at max Cd horiz. angle 75°
- Horizontal cone at max Cd vert. angle 67°



Mounting

- Adjustable for 1.25 to 2 in. nominal mounting pipe
- Integral diecast mounting pipe stop
- Slipfitter with +/- 5 degrees of leveling adjustment

Effective Projected Area

- 0.5 sq ft max (0.046 sq m)

Weight

- 12.4 lbs (5.6 kgs)

Accessories

SAP NUMBER	PART NUMBER	DESCRIPTION
93029237	PED-MV-LED-7	ANSI C136.41 Dimming PE, 120-277V
93029238	PED-347-LED-7	ANSI C136.41 Dimming PE, 347V
93029239	PED-480-LED-7	ANSI C136.41 Dimming PE, 480V
28299	PECOTL	Standard 120-277V
XXXXXX	PECHTL	Standard 347-480V
73251	SCCL-PECTL	Shorting Cap

See pages 22 & 23 for more detailed information on ERL1 Shields.

Networked Lighting Control



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.



CUSTOMER NAME _____

PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

The Evolve® LED Roadway ERLH Luminaire is optimized utilizing advanced LED reflective optical system for local, collector and major roadways. The modern design incorporates the heat sink directly into the unit for heat transfer to prolong LED life.

Construction

Housing:	Aluminum die cast enclosure casting integral heat sink for maximum heat transfer
Lens:	Impact resistant tempered glass
Paint:	Corrosion resistant powder paint, ≥ 2.0 mil thickness (RAL & custom colors available) Standard = Black, Dark Bronze, Gray, White Optional = Coastal Finish
Weight:	15.15 lbs (6.9 kgs) w/ 2 Bolt Slipfitter 15.85 lbs (7.2 kgs) w/ 4 Bolt Slipfitter

Optical System

Lumens:	10,000-16,000
Distribution:	Type II Narrow, Type II Wide, Type III, Type IV and Type II Enhanced Back Light
Efficacy:	110-143 LPW
CCT:	2700K, 3000K, 4000K
CRI:	≥ 70

Electrical

Input Voltage:	120-277V or 347-480V
Input Frequency:	50/60Hz
Power Factor:	$\geq 90\%$ at rated watts
Total Harmonic Distortion:	$\leq 20\%$ 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

LUMEN CODES	DISTRIBUTIONS	LXX(10K) @ HOURS		
		25,000 HR	50,000 HR	60,000 HR
A3, B3, C3, D3, E3	10,11	L97	L96	L96
A3, B3, C3, D3, E3	13,14	L95	L93	L92
A3, B3, C3, D3, E3	15,16	L94	L91	L91

Ratings

Operating Temperature:	ERLH Lumen outputs 10-11, 13 (-40°C to 50°C) ERLH Lumen outputs 14-16 (-40°C to 45°C)
Vibration:	3G per ANSI C136.31-2018
LM-79:	Testing in accordance with IES Standards

Controls

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

Warranty

5 Year (Standard)

10 Year (Optional)



Not all product variations listed on this page are DLC qualified. Visit www.designlights.org/search to confirm qualifications.

CUSTOMER NAME _____

PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

ERLH

PROD. ID	VOLTAGE	LUMENS	DISTRIBUTION	CCT	CONTROLS PER ANSI C136.41	COLOR	OPTIONS
E = Evolve	0 = 120-277V ¹	10 = 10000 lm	A3 = Type II Narrow	27 = 2700K ³	A = 7-Pin Receptacle	BLCK = Black	A = 4 Bolt Slipfitter ⁴
R = Roadway	H = 347-480V ¹	11 = 11000 lm	B3 = Type II Wide	30 = 3000K ³	D = 7-Pin Receptacle with Shorting Cap	DKBZ = Dark Bronze	B = Tether
L = Local		13 = 13000 lm	C3 = Type III	40 = 4000K	E = 7 Pin Receptacle with Long Life non-Dimming PE Control ⁴	GRAY = Gray	F = Fusing
H = High Output	1 = 120V	14 = 14000 lm	D3 = Type IV		Note: 0-10V control standard unless DALI Option "U" requested	WHT= White	G = Internal Bubble Level
	2 = 208V	15 = 15000 lm	E3 = Type II Enhanced Back Light				I = Optional IP66 Optical
	3 = 240V	16 = 16000 lm					L = Tool-Less Entry
	4 = 277V						R = Secondary 10kV/5kA SPD
	5 = 480V						T = Secondary 20kV/10kA SPD
	D = 347V						U = DALI Programmable ^{5,6}
							V1 = Field Adjustable Module ⁹
							X = Single Pack ⁷
							Y = Coastal Finish ⁸
							XXX = Special Options

¹ Not Available with Fusing

² Nominal IES Type classing subject to typical variation, individual units may differ

³ Select 2700K or 3000K CCT for IDA approved units

⁴ Lead time varies, Contact Factory

⁵ Compatible with LightGrid

⁶ Not available with 347, 480V, or 347-480V.

⁷ Option provides single pack box per fixture. Standard packaging = 23 units per MagnaPak Container

⁸ Recommended for installations within 750 feet from coast. Lead time varies, check with factory.

⁹ Not available with DALI "U" option

SUGGESTED HID REPLACEMENT

- Approximately 8,500 -11,500 lumens to replace 200W HPS Cobra-head
- Approximately 11,500 -14,000 lumens to replace 250W HPS Cobra-head

Note: actual replacement lumens may vary based upon mounting height, pole spacing, design criteria, etc.

PREVIOUS	OPTICAL PATTERN	LATEST	NEW OPTICAL PATTERN
A1, B1	Extra Narrow/Narrow Asymmetric	A3	Type II Narrow
C1, E1	Asymmetric Short/Medium	B3	Type II Wide
D1, G1	Asymmetric Forward/Extra Wide	C3	Type III
F1	Asymmetric Wide	D3	Type IV
N/A	N/A	E3	Type II Enhanced Back Light

The information above is designed to provide a guideline to select the correct luminaire for a roadway application. The best and most accurate way to ensure the proper design is by doing a lighting layout.



Not all product variations listed on this page are DLC qualified.
Visit www.designlights.org/search to confirm qualifications.

CUSTOMER NAME _____

PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

LUMEN OUTPUT	DISTRIBUTION	LUMENS			WATTAGE 120-277V 347-480V	BUG RATINGS		
		4000K	3000K	2700K		4000K	3000K	2700K
10	A3	10000	9600	9300	82	B2-U0-G2	B2-U0-G2	B2-U0-G2
	B3					B2-U0-G2	B2-U0-G2	B2-U0-G2
	C3					B2-U0-G3	B2-U0-G2	B2-U0-G2
	D3					B1-U0-G3	B1-U0-G2	B1-U0-G2
	E3					B3-U0-G3	B3-U0-G3	B3-U0-G3
11	A3	11500	11000	10700	98	B3-U0-G3	B2-U0-G2	B2-U0-G2
	B3					B3-U0-G3	B2-U0-G2	B2-U0-G2
	C3					B2-U0-G3	B2-U0-G3	B2-U0-G3
	D3					B1-U0-G3	B1-U0-G2	B1-U0-G2
	E3					B3-U0-G3	B3-U0-G3	B3-U0-G3
13	A3	13000	12500	12100	111	B3-U0-G3	B3-U0-G3	B3-U0-G3
	B3					B2-U0-G3	B2-U0-G3	B2-U0-G3
	C3					B2-U0-G3	B2-U0-G3	B2-U0-G3
	D3					B2-U0-G3	B2-U0-G3	B1-U0-G3
	E3					B3-U0-G3	B3-U0-G3	B3-U0-G3
14	A3	14000	13400	13000	122	B3-U0-G3	B3-U0-G3	B3-U0-G3
	B3					B2-U0-G3	B2-U0-G3	B2-U0-G3
	C3					B2-U0-G3	B2-U0-G3	B2-U0-G3
	D3					B2-U0-G3	B2-U0-G3	B2-U0-G3
	E3					B3-U0-G3	B3-U0-G3	B3-U0-G3
15	A3	15000	14400	13900	136	B3-U0-G3	B3-U0-G3	B3-U0-G3
	B3					B2-U0-G3	B2-U0-G3	B2-U0-G3
	C3					B2-U0-G3	B3-U0-G3	B2-U0-G3
	D3					B2-U0-G3	B2-U0-G3	B2-U0-G3
	E3					B3-U0-G3	B3-U0-G3	B3-U0-G3

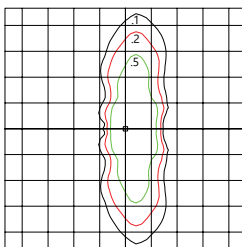
For additional information on ERLH IES files, please click one of the following links:

[Non-Shielded](#)

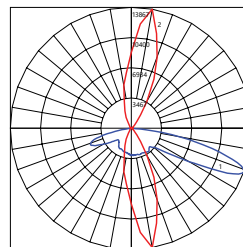
[Shielded](#)

ERLH Type II Narrow

13,000 Lumens
4000K
ERLH_13A340___IES



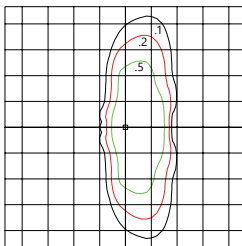
- Mounting Height at 30'
- Initial Footcandle at Grade



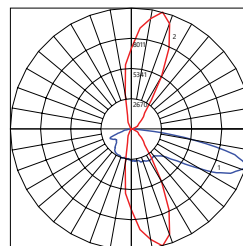
- Vertical plane at max Cd horiz. angle
- Horizontal cone at max Cd vert. angle

ERLH Type II Wide

13,000 Lumens
4000K
ERLH_13B340___IES



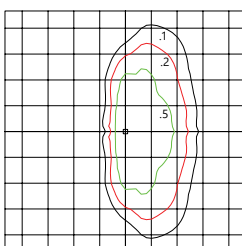
- Mounting Height at 30'
- Initial Footcandle at Grade



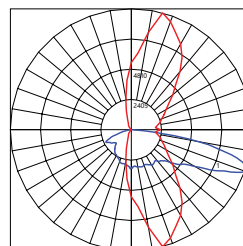
- Vertical plane at max Cd horiz. angle
- Horizontal cone at max Cd vert. angle

ERLH Type III

13,000 Lumens
4000K



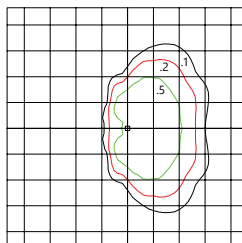
- Mounting Height at 30'
- Initial Footcandle at Grade



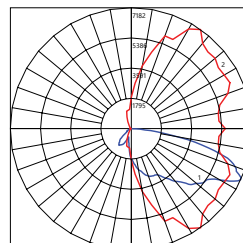
- Vertical plane at max Cd horiz. angle
- Horizontal cone at max Cd vert. angle

ERLH Type IV

13,000 Lumens
4000K
ERLH_13D340___IES



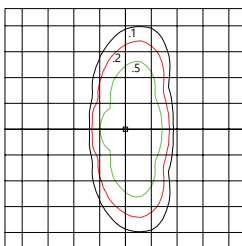
- Mounting Height at 30'
- Initial Footcandle at Grade



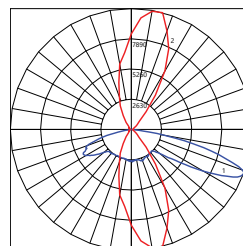
- Vertical plane at max Cd horiz. angle
- Horizontal cone at max Cd vert. angle

ERLH Type II Enhanced Back Light

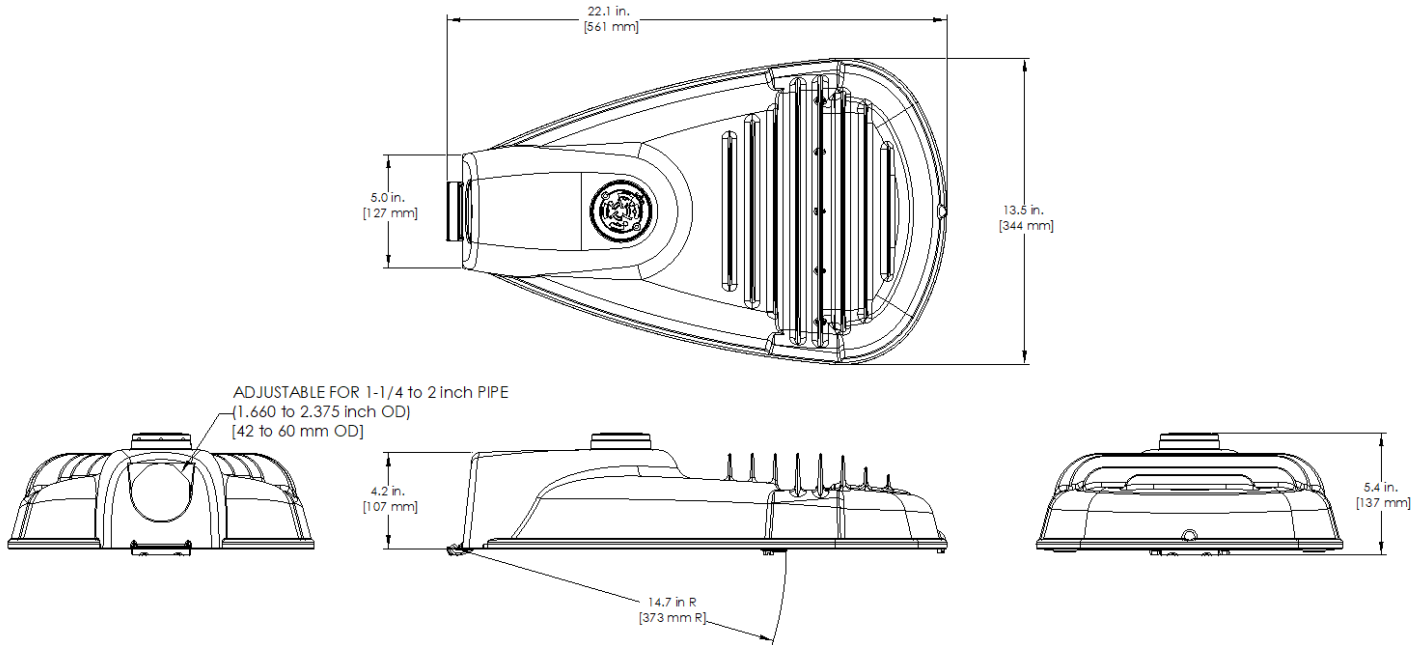
13,000 Lumens
4000K
ERLH_13E340___IES



- Mounting Height at 30'
- Initial Footcandle at Grade



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



Mounting

- Adjustable for 1.25 to 2 in. nominal mounting pipe
- Integral diecast mounting pipe stop
- Slipfitter with +/- 5 degrees of leveling adjustment

Effective Projected Area

- 0.5 sq ft max (0.046 sq m)

Weight

- 15.15 lbs (6.9 kgs) w/ 2 Bolt Slipfitter
- 15.85 lbs (7.2 kgs) w/ 4 Bolt Slipfitter

Accessories

SAP NUMBER	PART NUMBER	DESCRIPTION
93029237	PED-MV-LED-7	ANSI C136.41 Dimming PE, 120-277V
93029238	PED-347-LED-7	ANSI C136.41 Dimming PE, 347V
93029239	PED-480-LED-7	ANSI C136.41 Dimming PE, 480V
28299	PECOTL	Standard 120-277V
XXXXXX	PECHTL	Standard 347-480V
73251	SCCL-PECTL	Shorting Cap

See pages 22 & 23 for more detailed information on ERLH Shields.

Networked Lighting Control



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.



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

The Evolve® LED Roadway ERL2 Luminaire is optimized utilizing advanced LED reflective optical system for local, collector and major roadways. The modern design incorporates the heat sink directly into the unit for heat transfer to prolong LED life.

Construction

Housing:	Aluminum die cast enclosure casting integral heat sink for maximum heat transfer
Lens:	Impact resistant tempered glass
Paint:	Corrosion resistant polyester powder paint, minimum ≥ 2.0 mil thickness (RAL & custom colors available) Standard = Black, Dark Bronze, Gray, White Optional = Coastal Finish
Weight:	24.0 lbs (10.9 kgs)

Optical System

Lumens:	16,000 - 30,000
Distribution:	Type II Narrow, II/III, III, V
Efficacy:	110-143 LPW
CCT:	2700K, 3000K, 4000K
CRI:	≥ 70

Electrical

Input Voltage:	120-277V or 347-480V
Input Frequency:	50/60Hz
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

LUMEN CODES	DISTRIBUTIONS	LXX(10K) @ HOURS		
		25,000 HR	50,000 HR	60,000 HR
16, 18, 19, 21, 23	A3,B3,C3, D3,E3	L96	L94	L94
25, 27, 28	A3,B3,C3, D3,E3	L95	L93	L92
30	A3,B3,C3, D3,E3	L94	L91	L90

Ratings

Operating Temperature:	Lumen Output 16-28 (-40°C to 50°C) Lumen Output 30 (-40°C to 45°C)
Vibration:	3G per ANSI C136.31-2018
LM-79:	Testing in accordance with IES Standards

Controls

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

Warranty

5 Year (Standard)

10 Year (Optional)



Not all product variations listed on this page are DLC qualified. Visit www.designlights.org/search to confirm qualifications.

Ordering Information

ERL2

PROD. ID	VOLTAGE	LUMENS	DISTRIBUTION	CCT	CONTROLS PER ANSI C136.41	COLOR	OPTIONS
E = Evolve	0 = 120-277V ¹	16 = 16000 lm	A3 = Type II Narrow ²	27 = 2700K ³	A = 7-Pin Receptacle	BLCK = Black	A = 4 Bolt Slipfitter ⁴
R = Roadway	H = 347-480V ¹	18 = 18000 lm	B3 = Type II Wide	30 = 3000K ³	D = 7-Pin Receptacle with Shorting Cap	DKBZ = Dark Bronze	B = Tether
L = Local		19 = 19000 lm	C3 = Type III	40 = 4000K	E = 7 Pin Receptacle with Long Life non-Dimming PE Control ⁴	GRAY = Gray	F = Fusing
2 = Double Module	1 = 120V	21 = 21000 lm	D3 = Type IV		Note: 0-10V control standard unless DALI Option "U" requested	WHITE= White	G = Internal Bubble Level
	2 = 208V	23 = 23000 lm	E3 = Type II Enhanced Back Light				I = Optional IP66 Optical
	3 = 240V	25 = 25000 lm					L = Tool-Less Entry
	4 = 277V	27 = 27000 lm					M1 = MagnaPak ⁸
	5 = 480V	28 = 28000 lm					R = Secondary 10kV/5kA SPD
	D = 347V	30 = 30000 lm					T = Secondary 20kV/10kA SPD ¹
							U = DALI Programmable ⁵
							V1 = Field Adjustable Module ⁷
							Y = Coastal Finish ⁶
							XXX = Special Options

¹ Not Available with Fusing

² Nominal IES Type classing subject to typical variation, individual units may differ

³ Select 2700K or 3000K CCT for IDA approved units

⁴ Lead time varies, Contact Factory

⁵ Compatible with LightGrid

⁶ Recommended for installations within 750 feet from coast. Lead time varies, check with factory.

⁷ Not available with DALI "U" option

⁸ Option M1 provides for MagnaPak – 20 Fixtures per MagnaPak Container. Single Pack box is standard

Suggested HID Replacement

- Approximately 21,000 - 30,000 lumens to replace 400W HPS Cobra-head

Note: actual replacement lumens may vary based upon mounting height, pole spacing, design criteria, etc.

PREVIOUS	OPTICAL PATTERN	LATEST	NEW OPTICAL PATTERN
A1, B1	Extra Narrow/Narrow Asymmetric	A3	Type II Narrow
C1, E1	Asymmetric Short/Medium	B3	Type II Wide
D1, G1	Asymmetric Forward/Extra Wide	C3	Type III
F1	Asymmetric Wide	D3	Type IV
N/A	N/A	E3	Type II Enhanced Back Light

The information above is designed to provide a guideline to select the correct luminaire for a roadway application. The best and most accurate way to ensure the proper design is by doing a lighting layout.



Not all product variations listed on this page are DLC qualified. Visit www.designlights.org/search to confirm qualifications.

CUSTOMER NAME _____

PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

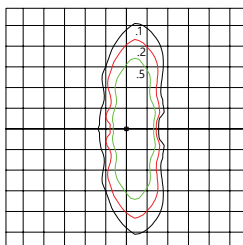
LUMEN OUTPUT	DIST.	LUMENS			WATTAGE		BUG RATINGS		
		4000K	3000K	2700K	277V	480V	4000K	3000K	2700K
16	A3	16000	15300	14900	120		B3-U0-G3	B3-U0-G3	B3-U0-G3
	B3						B3-U0-G3	B3-U0-G3	B2-U0-G3
	C3						B2-U0-G3	B2-U0-G3	B2-U0-G3
	D3						B2-U0-G3	B2-U0-G3	B2-U0-G3
	E3						B3-U0-G3	B3-U0-G3	B3-U0-G3
18	A3	18000	17300	16700	140		B3-U0-G3	B3-U0-G3	B3-U0-G3
	B3						B3-U0-G3	B3-U0-G3	B3-U0-G3
	C3						B2-U0-G3	B2-U0-G3	B2-U0-G3
	D3						B2-U0-G3	B2-U0-G3	B2-U0-G3
	E3						B3-U0-G3	B3-U0-G3	B3-U0-G3
19	A3	19000	18200	17700	149		B3-U0-G3	B3-U0-G3	B3-U0-G3
	B3						B3-U0-G3	B3-U0-G3	B3-U0-G3
	C3						B3-U0-G3	B2-U0-G3	B2-U0-G3
	D3						B2-U0-G3	B2-U0-G3	B2-U0-G3
	E3						B3-U0-G3	B3-U0-G3	B3-U0-G3
21	A3	21000	20100	19500	174	177	B3-U0-G3	B3-U0-G3	B3-U0-G3
	B3						B3-U0-G3	B3-U0-G3	B3-U0-G3
	C3						B3-U0-G4	B3-U0-G3	B3-U0-G3
	D3						B2-U0-G3	B2-U0-G3	B2-U0-G3
	E3						B3-U0-G3	B3-U0-G3	B3-U0-G3
23	A3	23000	22100	21400	194	196	B3-U0-G3	B3-U0-G3	B3-U0-G3
	B3						B3-U0-G3	B3-U0-G3	B3-U0-G3
	C3						B3-U0-G4	B3-U0-G4	B3-U0-G4
	D3						B2-U0-G4	B2-U0-G4	B2-U0-G3
	E3						B3-U0-G3	B3-U0-G3	B3-U0-G3
25	A3	25000	24000	23300	214		B3-U0-G3	B3-U0-G3	B3-U0-G3
	B3						B3-U0-G3	B3-U0-G3	B3-U0-G3
	C3						B3-U0-G4	B3-U0-G4	B3-U0-G4
	D3						B2-U0-G4	B2-U0-G4	B2-U0-G4
	E3						B4-U0-G4	B4-U0-G4	B4-U0-G4
27	A3	27000	25900	25100	237		B3-U0-G3	B3-U0-G3	B3-U0-G3
	B3						B3-U0-G4	B3-U0-G4	B3-U0-G3
	C3						B3-U0-G4	B3-U0-G4	B3-U0-G4
	D3						B2-U0-G4	B2-U0-G4	B2-U0-G4
	E3						B4-U0-G4	B4-U0-G4	B4-U0-G4
28	A3	28000	26900	26100	251		B3-U0-G3	B3-U0-G3	B3-U0-G3
	B3						B3-U0-G4	B3-U0-G4	B3-U0-G4
	C3						B3-U0-G4	B3-U0-G4	B3-U0-G4
	D3						B2-U0-G4	B2-U0-G4	B2-U0-G4
	E3						B4-U0-G4	B4-U0-G4	B4-U0-G4
30	A3	30000	28800	27900	278		B4-U0-G4	B4-U0-G4	B3-U0-G3
	B3						B3-U0-G4	B3-U0-G4	B3-U0-G4
	C3						B3-U0-G4	B3-U0-G4	B3-U0-G4
	D3						B2-U0-G4	B2-U0-G4	B2-U0-G4
	E3						B4-U0-G4	B4-U0-G4	B4-U0-G4

For additional information on ERL2 IES files, please click one of the following links:

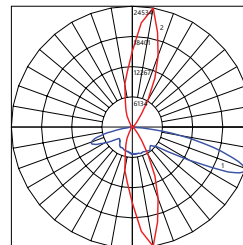
Non-Shielded

Shielded

ERL2
Type II Narrow
23,000 Lumens
4000K
ERL2_23A340___IES

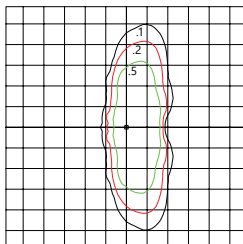


- Mounting Height at 30'
- Initial Footcandle at Grade

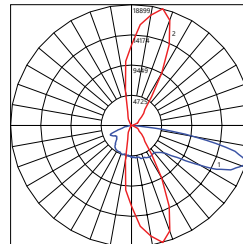


- Vertical plane at max Cd horiz. angle 80°
- Horizontal cone at max Cd vert. angle 69°

ERL2
Type II Wide
23,000 Lumens
4000K
ERL2_23B340___IES

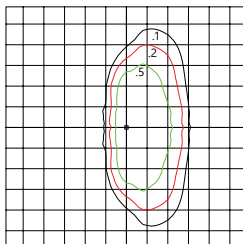


- Mounting Height at 30'
- Initial Footcandle at Grade

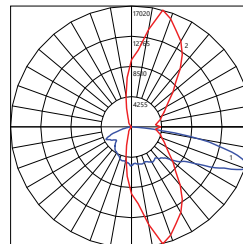


- Vertical plane at max Cd horiz. angle 75°
- Horizontal cone at max Cd vert. angle 72°

ERL2
Type III
23,000 Lumens
4000K
ERL2_23C340___IES

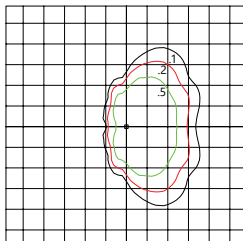


- Mounting Height at 30'
- Initial Footcandle at Grade

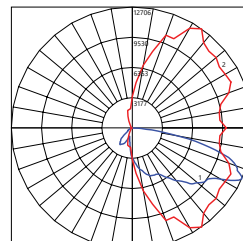


- Vertical plane at max Cd horiz. angle 75°
- Horizontal cone at max Cd vert. angle 71°

ERL2
Type IV
23,000 Lumens
4000K
ERL2_23D340___IES

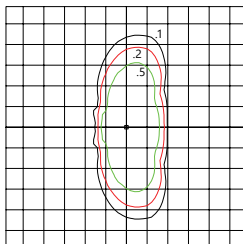


- Mounting Height at 30'
- Initial Footcandle at Grade

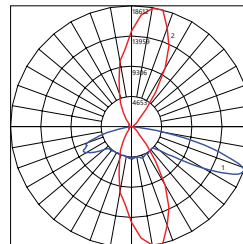


- Vertical plane at max Cd horiz. angle 55°
- Horizontal cone at max Cd vert. angle 65°

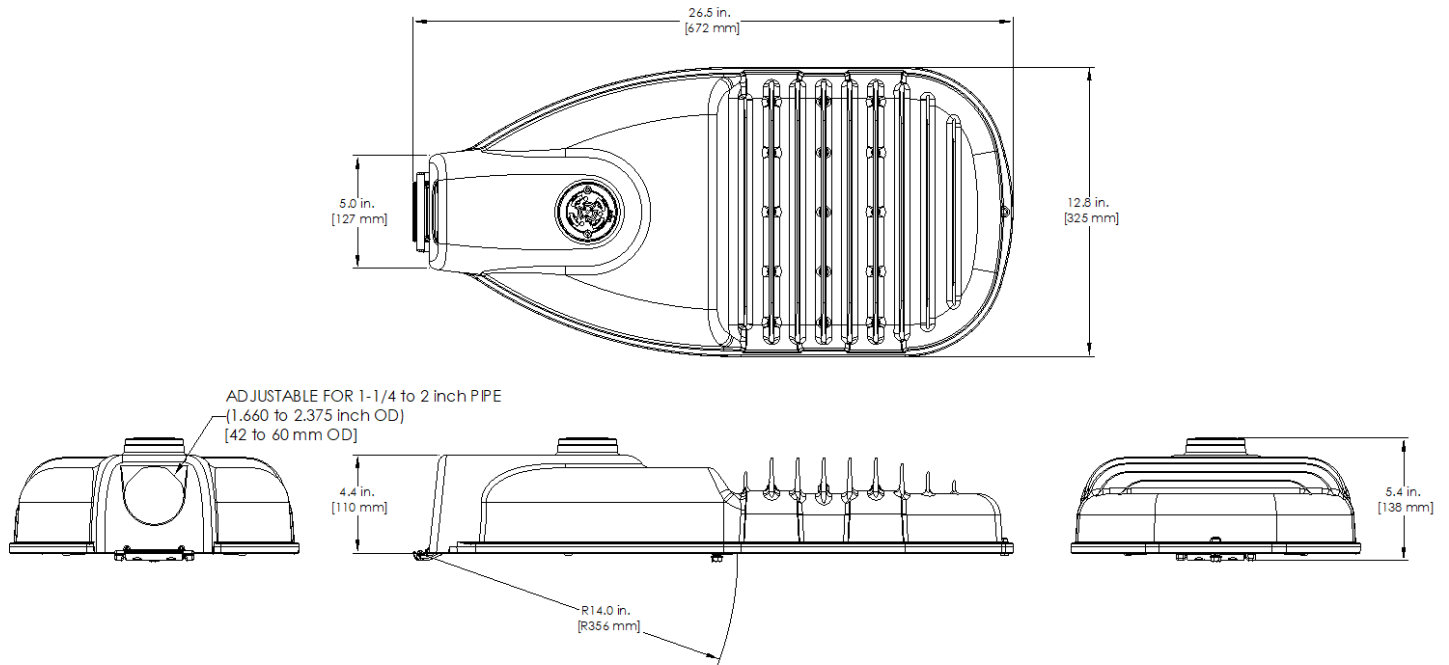
ERL2
Type IV
23,000 Lumens
4000K
ERL2_23E340___IES



- Mounting Height at 30'
- Initial Footcandle at Grade



- Vertical plane at max Cd horiz. angle 75°
- Horizontal cone at max Cd vert. angle 69°



Mounting

- Adjustable for 1.25 to 2 in. nominal mounting pipe
- Integral diecast mounting pipe stop
- Slipfitter with +/- 5 degrees of leveling adjustment

Effective Projected Area

- 0.57 sq ft max (0.053 sq m)

Weight:

- 24.0 lbs (10.9 kgs)

Accessories

SAP NUMBER	PART NUMBER	DESCRIPTION
93029237	PED-MV-LED-7	ANSI C136.41 Dimming PE, 120-277V
93029238	PED-347-LED-7	ANSI C136.41 Dimming PE, 347V
93029239	PED-480-LED-7	ANSI C136.41 Dimming PE, 480V
28299	PEC0TL	Standard 120-277V

See pages 22 & 23 for more detailed information on ERL2 Shields.

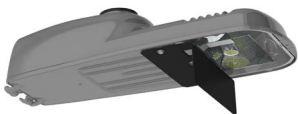
Networked Lighting Control



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.

HOUSE SIDE SHIELDS

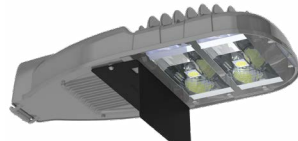
ERLC Shields

Product Code:	93110037	Description:	ELSHS-ERLC-BLCK
Product Code:	93110038	Description:	ELSHS-ERLC-GRAY
			

ERL1 / ERLH Shields

Product Code:	93024487	Description:	ELSHS-ERL1-BLCK
Product Code:	93046386	Description:	ELSHS-ERL1-GRAY
Product Code:	93068998	Description:	ELSHS-ERL1-DKBZ
			

ERL2 Shields

Product Code:	93070722	Description:	ELSHS-ERL2-BLCK
Product Code:	93085564	Description:	ELSHS-ERL2-GRAY
Product Code:	93096747	Description:	ELSHS-ERL2-DKBZ
			

STREET SIDE SHIELDS

ERLC Shields

Product Code:	93132372	Description:	ELSFS-ERLC-BLCK-10
Product Code:	93132373	Description:	ELSFS-ERLC-BLCK-15
Product Code:	93134760	Description:	ELSFS-ERLC-BLCK-20
			

ERL1 / ERLH SShields

Product Code:	93092595	Description:	ELSFS-ERL1-BLCK-10
Product Code:	93108740	Description:	ELSFS-ERL1-GRAY-10
Product Code:	93092906	Description:	ELSFS-ERL1-BLCK-15
Product Code:	93105144	Description:	ELSFS-ERL1-GRAY-15
Product Code:	93088130	Description:	ELSFS-ERL1-BLCK-20
Product Code:	93088131	Description:	ELSFS-ERL1-GRAY-20
			

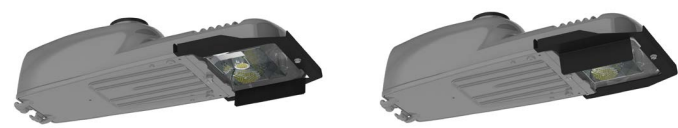
ERL2 Shields

Product Code:	93132955	Description:	ELSFS-ERL2-BLCK-20
Product Code:	93132986	Description:	ELSFS-ERL2-GRAY-20
			

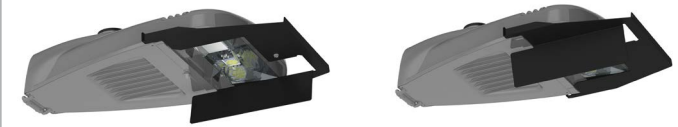
SIDE SHIELDS (L&R)

Shipped as a kit - L & R can be used independently

ERLC Shields

Product Code:	93132374	Description:	ELS-ERLC- LEFTRIGHTSIDEKIT- BLCK-10
			

ERL1 / ERLH Shields

Product Code:	93118695	Description:	ELS-ERL1H- LEFTRIGHTSIDEKIT- BLCK-10
			

ERL2 Shields

Product Code:	93132989	Description:	ELS-ERL2- LEFTRIGHTSIDEKIT- BLCK-10
			

FOOTNOTES:

- 1) 10 = 1" Shield Depth; 15 = 1.5" Shield Depth; 20 = 2" Shield Depth
- 2) Black is recommended to reduce potential for glare coming off of the shield
- 3) Use "House Side" Shield to block light trespass behind the pole
- 4) Use "Street Side" / Front Shield to block light trespass across the street