

Wheat Ridge Roadway Lighting Standards 20' and 30' Mounting Height LED Fixture



GE Evolve™

LED Roadway Lighting

ERL1-ERLH-ERL2



current
powered by GE



GE Evolve™ LED Roadway Lighting ERL1-ERLH-ERL2



The **Evolve** LED Roadway Luminaire is optimized for customers requiring a LED solution for local, collector and major roadways. GE's unique reflective optics are designed to optimize application efficiency and minimize glare. The modern design incorporates the heat sink directly into the unit for heat transfer to prolong LED life. This reliable unit has a 100,000 hour design life, significantly reducing maintenance needs and expense over the life of the fixture. This efficient solution lowers energy consumption compared to a traditional HID fixture for additional operating cost savings.

Features:

- Optimized roadway photometric distributions
- **Evolve**™ light engine consisting of reflective technology designed to optimize application efficiency and minimize glare
- 70 CRI at 2700K, 3000K and 4000K typical.
- -40°C to 50°C UL Ambient Typical.
- ULOR = 0 (zero uplight)
- Designed & Assembled in USA

Applications:

- Local Roadways
- Collector Roadways
- Major Roadway/Streets



Compatible with **LightGrid**™ Outdoor Wireless Control System



To learn more about **GE Evolve LED Roadway Lighting**, go to: www.currentbyge.com

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ERL1-ERLH-ERL2



Project name _____

Date _____

Type _____

Typical Specifications: ERL1-ERLH-ERL2

LED & Optical

- **Output Range:** 1900 – 30000 lm
- **Photometric Options:** Type II Narrow, Type II Wide, Type III, Type IV
- **System Efficacy:** 100 - 145 LPW
- **CCT:** 2700K, 3000K, 4000K; High brightness LEDs @ 70 CRI
- **Lumen Maintenance Tables:**

Projected Lxx per IES TM-21 at 25°C for reference:

PRODUCT ID	LUMEN OUTPUT	LXX(10K)@HOURS		
		25,000 HR	50,000 HR	100,000 HR
ERL1	02,03,04,05,06	L96	L95	L91
ERL1	07,08,09	L95	L91	L84
ERL1	10	L89	L80	L64

Note: Projected Lxx based on LM80 (10,000 hour testing). DOE Lighting Facts Verification Testing Tolerances apply to initial luminous flux and lumen maintenance measurements.

PRODUCT ID	LUMEN OUTPUT	LXX(6K)@HOURS		
		25,000 HR	50,000 HR	100,000 HR
ERLH	10, 11	L96	L94	L90
ERLH	13, 14	L95	L92	L86
ERLH	15, 16	L93	L89	L81

PRODUCT ID	LUMEN OUTPUT	LXX(6K)@HOURS		
		25,000 HR	50,000 HR	100,000 HR
ERL2	16, 18, 19, 21, 23	L95	L92	L86
ERL2	25, 27, 28	L94	L90	L82
ERL2	30	L93	L88	L79

Note: Projected Lxx based on LM80 (6,000 hour testing). DOE Lighting Facts Verification Testing Tolerances apply to initial luminous flux and lumen maintenance measurements.

Electrical

- **Input Voltage:** 120-277 volt and 347-480 volt
- **Input Frequency:** 50/60Hz
- **Power Factor (PF)*:** >90%
- **Total Harmonic Distortion (THD)*:** <20%

*Power factor and THD tolerance exceptions: ERL1 "02" Lumen output: PF and THD within tolerances above only at 120 volt. ERL1 "03" Lumen output: @120 volt PF~0.89; @ 480 volt THD~26% ERL1 "04" Lumen output: @480 volt THD~22%

Ratings

- **Surge Protection:** per ANSI C136.2-2015: (Driver Internal):
 - 6kV/3kA "Basic: (120 Strikes)" - Standard on ERL1 (02-06)
 - 10kV/5kA "Enhanced: (40 Strikes)" - Standard on ERL1 (07 - 10), ERLH, ERL2
- **(Additional Separate Secondary SPD)**
 - 10kV/5kA "Enhanced: (40 Strikes)" - Option "R"
 - 20kV/10kA "Elevated" (40 Strikes) - Option "T"
- **Safety:** UL/cUL Listed. UL 1598 listed, suitable for wet locations (UL)%(UL)
- **Environmental:** Compliant with the materials restrictions of RoHS
- **EMI:** Title 47 CFR Part 15 Class A
- **Vibration:** 3G per ANSI C136.31-2010
- LM-79 testing in accordance with IESNA Standards
- Std. Optical enclosure rated per ANSI C136.25-2009:
 - ERL1/ERLH/ERL2 = IP65, Optional: IP66

Operating Temperature:

PRODUCT ID	LUMEN OUTPUT	AMBIENT READING
ERL1	02-10	-40°C to 50°C
ERLH	10-11	-40°C to 50°C
ERLH	13-16	-40°C to 45°C
ERL2	16-28	-40°C to 50°C
ERL2	30	-40°C to 45°C

Delayed start may be experienced < -35°C

Construction & Finish

- **Housing:**
 - Die Cast Enclosure
 - Casting-integral heat sink for maximum heat transfer
- **Lensing:** Impact resistant tempered glass, standard
- **Paint:** Corrosion resistant polyester powder painted, minimum 2.0 mil. thickness.
 - Standard Colors: Dark Bronze, Black, & Gray
 - RAL & custom colors available
 - Optional coastal finish available.
- **Weight:** 12.4lbs (5.6kg) – 24lbs (10.9kg)

Warranty

- **System Warranty:** 5 Year Standard, 10 Year Optional

Controls

- **Dimming:**
 - Standard: 0-10V; Optional: DALI (120-277V Only)
- **Sensors:**
 - Photo electric sensors (PE) available.
- LightGrid™ compatible

Mounting

- Slipfitter with +/- 5 degree of adjustment for leveling.
- Integral die cast mounting pipe stop.
- Adjustable for 1.25 in. or 2 in. mounting pipe.

Suggested HID Replacement Lumen Levels

- ~4,000–5,000 lumens to replace 100W HPS Cobra-head
- ~7,000–8,800 lumens to replace 150W HPS Cobra-head
- ~8,500–11,500 lumens to replace 200W HPS Cobra-head
- ~11,500–14,000 lumens to replace 250W HPS Cobra-head
- ~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	DESCRIPTION	CURRENT	DESCRIPTION
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

**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 do a lighting layout Utilizing AGI.

Wheat Ridge 20' Mounting Height LED Roadway Fixture

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LED Roadway Lighting

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Project name _____

Date _____

Type _____

E R L 1 0 04 B3 30 A BLCK L

PROD. 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 See Table *Nominal IES Type classing subject to typical variation, individual units may differ.	27 = 2700K < 30 = 3000K 40 = 4000K < Select 2700K or 3000K CCT for IES approved units.	A = ANSI C136.41 7-pin D = ANSI C136.41 7-pin with Shorting 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. NOTE: Dimming controls wired for 0-10V standard unless DALI option "U" requested.	GRAY = Gray BLCK = Black DKBZ = Dark Bronze	A = 4 Bolt Slipfitter † F = Fusing G = Internal Bubble 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 pak 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 07, 08, 09, and 10.

LUMEN OUTPUT	DISTRIBUTION	TYPICAL INITIAL LUMENS			TYPICAL SYSTEM WATTAGE		BUG RATING			IES FILE NUMBER					
		4000K	3000K	2700K	120-277V	347-480V	4000K	3000K	2700K	4000K 120-277V	4000K 347-480V	3000K 120-277V	3000K 347-480V	2700K 120-277V	2700K 347-480V
02	A3	2000	1900	1900	14	N/A	B1-U0-G1	B1-U0-G1	B1-U0-G1	ERL1_02A340_-120VIES	N/A	ERL1_02A330_-120VIES	N/A	ERL1_02A327_-120VIES	N/A
	B3						B1-U0-G1	B1-U0-G1	B1-U0-G1	ERL1_02B340_-120VIES	N/A	ERL1_02B330_-120VIES	N/A	ERL1_02B327_-120VIES	N/A
	C3						B1-U0-G1	B1-U0-G1	B1-U0-G1	ERL1_02C340_-120VIES	N/A	ERL1_02C330_-120VIES	N/A	ERL1_02C327_-120VIES	N/A
	D3						TBD	TBD	TBD	TBD	N/A	TBD	N/A	TBD	N/A
03	A3	3000	2900	2800	22	26	B1-U0-G1	B1-U0-G1	B1-U0-G1	ERL1_03A340_-120-277VIES	ERL1_03A340_-347-480VIES	ERL1_03A330_-120-277VIES	ERL1_03A330_-347-480VIES	ERL1_03A327_-120-277VIES	ERL1_03A327_-347-480VIES
	B3						B1-U0-G1	B1-U0-G1	B1-U0-G1	ERL1_03B340_-120-277VIES	ERL1_03B340_-347-480VIES	ERL1_03B330_-120-277VIES	ERL1_03B330_-347-480VIES	ERL1_03B327_-120-277VIES	ERL1_03B327_-347-480VIES
	C3						B1-U0-G1	B1-U0-G1	B1-U0-G1	ERL1_03C340_-120-277VIES	ERL1_03C340_-347-480VIES	ERL1_03C330_-120-277VIES	ERL1_03C330_-347-480VIES	ERL1_03C327_-120-277VIES	ERL1_03C327_-347-480VIES
	D3						TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
04	A3	4000	3900	3800	31	34	B1-U0-G1	B1-U0-G1	B1-U0-G1	ERL1_04A340_-120-277VIES	ERL1_04A340_-347-480VIES	ERL1_04A330_-120-277VIES	ERL1_04A330_-347-480VIES	ERL1_04A327_-120-277VIES	ERL1_04A327_-347-480VIES
	B3						B1-U0-G1	B1-U0-G1	B1-U0-G1	ERL1_04B340_-120-277VIES	ERL1_04B340_-347-480VIES	ERL1_04B330_-120-277VIES	ERL1_04B330_-347-480VIES	ERL1_04B327_-120-277VIES	ERL1_04B327_-347-480VIES
	C3						B1-U0-G1	B1-U0-G1	B1-U0-G1	ERL1_04C340_-120-277VIES	ERL1_04C340_-347-480VIES	ERL1_04C330_-120-277VIES	ERL1_04C330_-347-480VIES	ERL1_04C327_-120-277VIES	ERL1_04C327_-347-480VIES
	D3						TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
05	A3	5000	4900	4700	39	43	B1-U0-G1	B1-U0-G1	B1-U0-G1	ERL1_05A340_-120-277VIES	ERL1_05A340_-347-480VIES	ERL1_05A330_-120-277VIES	ERL1_05A330_-347-480VIES	ERL1_05A327_-120-277VIES	ERL1_05A327_-347-480VIES
	B3						B1-U0-G1	B1-U0-G1	B1-U0-G1	ERL1_05B340_-120-277VIES	ERL1_05B340_-347-480VIES	ERL1_05B330_-120-277VIES	ERL1_05B330_-347-480VIES	ERL1_05B327_-120-277VIES	ERL1_05B327_-347-480VIES
	C3						B1-U0-G2	B1-U0-G2	B1-U0-G2	ERL1_05C340_-120-277VIES	ERL1_05C340_-347-480VIES	ERL1_05C330_-120-277VIES	ERL1_05C330_-347-480VIES	ERL1_05C327_-120-277VIES	ERL1_05C327_-347-480VIES
	D3						TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
06	A3	6000	5800	5700	47	52	B2-U0-G2	B2-U0-G2	B2-U0-G2	ERL1_06A340_-120-277VIES	ERL1_06A340_-347-480VIES	ERL1_06A330_-120-277VIES	ERL1_06A330_-347-480VIES	ERL1_06A327_-120-277VIES	ERL1_06A327_-347-480VIES
	B3						B1-U0-G2	B1-U0-G2	B1-U0-G2	ERL1_06B340_-120-277VIES	ERL1_06B340_-347-480VIES	ERL1_06B330_-120-277VIES	ERL1_06B330_-347-480VIES	ERL1_06B327_-120-277VIES	ERL1_06B327_-347-480VIES
	C3						B1-U0-G2	B1-U0-G2	B1-U0-G2	ERL1_06C340_-120-277VIES	ERL1_06C340_-347-480VIES	ERL1_06C330_-120-277VIES	ERL1_06C330_-347-480VIES	ERL1_06C327_-120-277VIES	ERL1_06C327_-347-480VIES
	D3						TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
07	A3	7000	6800	6600	58		B2-U0-G2	B2-U0-G2	B2-U0-G2	ERL1_07A340_____IES		ERL1_07A330_____IES		ERL1_07A327_____IES	
	B3						B1-U0-G2	B1-U0-G2	B1-U0-G2	ERL1_07B340_____IES		ERL1_07B330_____IES		ERL1_07B327_____IES	
	C3						B1-U0-G2	B1-U0-G2	B1-U0-G2	ERL1_07C340_____IES		ERL1_07C330_____IES		ERL1_07C327_____IES	
	D3						TBD	TBD	TBD	TBD		TBD		TBD	
08	A3	8000	7800	7600	71		B2-U0-G2	B2-U0-G2	B2-U0-G2	ERL1_08A340_____IES		ERL1_08A330_____IES		ERL1_08A327_____IES	
	B3						B2-U0-G2	B2-U0-G2	B2-U0-G2	ERL1_08B340_____IES		ERL1_08B330_____IES		ERL1_08B327_____IES	
	C3						B1-U0-G2	B1-U0-G2	B1-U0-G2	ERL1_08C340_____IES		ERL1_08C330_____IES		ERL1_08C327_____IES	
	D3						TBD	TBD	TBD	TBD		TBD		TBD	
09	A3	9000	8800	8500	84		B2-U0-G2	B2-U0-G2	B2-U0-G2	ERL1_09A340_____IES		ERL1_09A330_____IES		ERL1_09A327_____IES	
	B3						B2-U0-G2	B2-U0-G2	B2-U0-G2	ERL1_09B340_____IES		ERL1_09B330_____IES		ERL1_09B327_____IES	
	C3						B2-U0-G2	B1-U0-G2	B1-U0-G2	ERL1_09C340_____IES		ERL1_09C330_____IES		ERL1_09C327_____IES	
	D3						TBD	TBD	TBD	TBD		TBD		TBD	
10	A3	9800	9600	9250	97		B2-U0-G2	B2-U0-G2	B2-U0-G2	ERL1_10A340_____IES		ERL1_10A330_____IES		ERL1_10A327_____IES	
	B3						B2-U0-G2	B2-U0-G2	B2-U0-G2	ERL1_10B340_____IES		ERL1_10B330_____IES		ERL1_10B327_____IES	
	C3						B2-U0-G2	B2-U0-G2	B2-U0-G2	ERL1_10C340_____IES		ERL1_10C330_____IES		ERL1_10C327_____IES	
	D3						TBD	TBD	TBD	TBD		TBD		TBD	

GE Evolve™

LED Roadway Lighting

ERL1-ERLH-ERL2

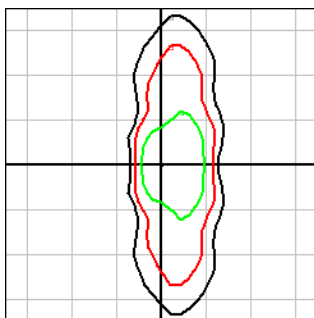
Photometrics:

Evolve™ LED Streetlight (ERL1)

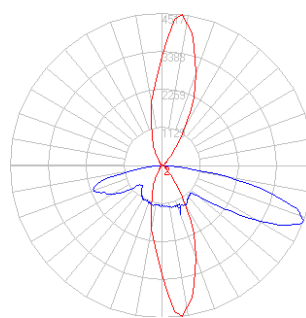
ERL1

Type II Narrow
(05A340)

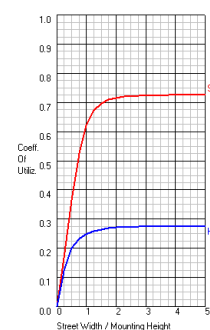
5,000 Lumens
4000K
ERL1_05A340____.IES



Grid Distance in Units of Mounting Height at 30'
Initial Footcandle Values at Grade



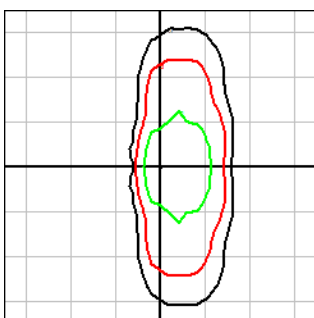
— Vertical plane through horizontal angle of Max. Cd at 80°
— Horizontal cone through vertical angle of Max. Cd at 67°



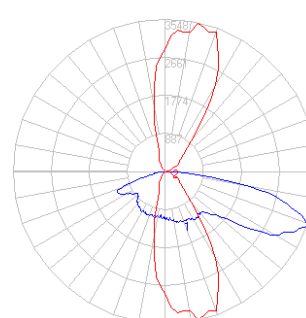
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Type II Wide
(05B340)

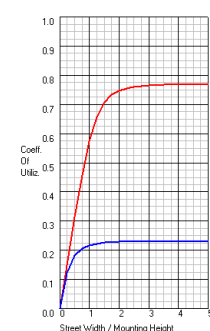
5,000 Lumens
4000K
ERL1_05B340____.IES



Grid Distance in Units of Mounting Height at 30'
Initial Footcandle Values at Grade



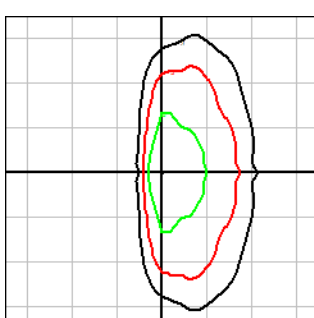
— Vertical plane through horizontal angle of Max. Cd at 80°
— Horizontal cone through vertical angle of Max. Cd at 67°



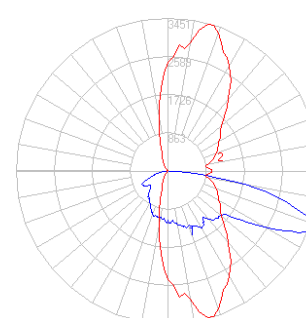
ERL1

Type III
(I05C340)

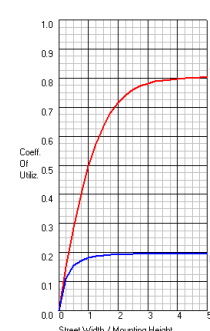
5,000 Lumens
4000K
ERL1_05C340____.IES



Grid Distance in Units of Mounting Height at 30'
Initial Footcandle Values at Grade



— Vertical plane through horizontal angle of Max. Cd at 75°
— Horizontal cone through vertical angle of Max. Cd at 69°



ERL1

Type IV
(05D340)

5,000 Lumens
4000K
ERL1_(05D340)____.IES

**AVAILABLE
JULY 2017**

**AVAILABLE
JULY 2017**

**AVAILABLE
JULY 2017**

Grid Distance in Units of Mounting Height at xx'
Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of Max. Cd at xx°
— Horizontal cone through vertical angle of Max. Cd at xx°

Wheat Ridge 30' Mounting Height LED Roadway Fixture

GE Evolve™

LED Roadway Lighting

ERL1-ERLH-ERL2



Project name _____

Date _____

Type _____

E R L H 0 11 C3 40 A BLCK L

PROD. ID	VOLTAGE	LUMEN OUTPUT	DISTRIBUTION*	CCT	CONTROLS	COLOR	OPTIONS
E = Evolve R = Roadway L = Local H = High Output	0 = 120-277V* 1 = 120 2 = 208 3 = 240 4 = 277 5 = 480 D = 347 H = 347-480* * Not available with Fusing. Must choose a discrete voltage with F option.	10 11 13 14 15 16 See Table	A3 = Type II Narrow B3 = Type II Wide C3 = Type III D3 = Type IV See Table *Nominal IES Type classing subject to typical variation, individual units may differ.	30 = 3000K 40 = 4000K <> Select 3000K CCT for IDA approved units.	A = ANSI C136.41 7-pin D = ANSI C136.41 7-pin with Shorting 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. NOTE: Dimming controls wired for 0-10V standard unless DALI option "U" requested.	GRAY = Gray BLCK = Black DKBZ = Dark Bronze	A = 4 Bolt Slipfitter † F = Fusing G = Internal Bubble 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 pak 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	10000	9600	82	82	B2-U0-G2	B2-U0-G2	ERLH_10A340__IES	ERLH_10A330__IES
	B3					B2-U0-G2	B2-U0-G2	ERLH_10B340__IES	ERLH_10B330__IES
	C3					B2-U0-G3	B2-U0-G2	ERLH_10C340__IES	ERLH_10C330__IES
	D3					TBD	TBD	TBD	TBD
	D3					TBD	TBD	TBD	TBD
11	A3	11500	11000	96	97	B3-U0-G3	B2-U0-G2	ERLH_11A340__IES	ERLH_11A330__IES
	B3					B3-U0-G3	B2-U0-G2	ERLH_11B340__IES	ERLH_11B330__IES
	C3					B2-U0-G3	B2-U0-G3	ERLH_11C340__IES	ERLH_11C330__IES
	D3					TBD	TBD	TBD	TBD
	D3					TBD	TBD	TBD	TBD
13	A3	13000	12500	111	112	B3-U0-G3	B3-U0-G3	ERLH_13A340__IES	ERLH_13A330__IES
	B3					B2-U0-G3	B2-U0-G3	ERLH_13B340__IES	ERLH_13B330__IES
	C3					B2-U0-G3	B2-U0-G3	ERLH_13C340__IES	ERLH_13C330__IES
	D3					TBD	TBD	TBD	TBD
	D3					TBD	TBD	TBD	TBD
14	A3	14000	13400	122	123	B3-U0-G3	B3-U0-G3	ERLH_14A340__IES	ERLH_14A330__IES
	B3					B2-U0-G3	B2-U0-G3	ERLH_14B340__IES	ERLH_14B330__IES
	C3					B2-U0-G3	B2-U0-G3	ERLH_14C340__IES	ERLH_14C330__IES
	D3					TBD	TBD	TBD	TBD
	D3					TBD	TBD	TBD	TBD
15	A3	15000	14400	136	136	B3-U0-G3	B3-U0-G3	ERLH_15A340__IES	ERLH_15A330__IES
	B3					B2-U0-G3	B2-U0-G3	ERLH_15B340__IES	ERLH_15B330__IES
	C3					B2-U0-G3	B2-U0-G3	ERLH_15C340__IES	ERLH_15C330__IES
	D3					TBD	TBD	TBD	TBD
	D3					TBD	TBD	TBD	TBD
16	A3	16000	15300	149	149	B3-U0-G3	B3-U0-G3	ERLH_16A340__IES	ERLH_16A330__IES
	B3					B3-U0-G3	B3-U0-G3	ERLH_16B340__IES	ERLH_16B330__IES
	C3					B2-U0-G3	B2-U0-G3	ERLH_16C340__IES	ERLH_16C330__IES
	D3					TBD	TBD	TBD	TBD
	D3					TBD	TBD	TBD	TBD

GE Evolve™

LED Roadway Lighting

ERL1-ERLH-ERL2

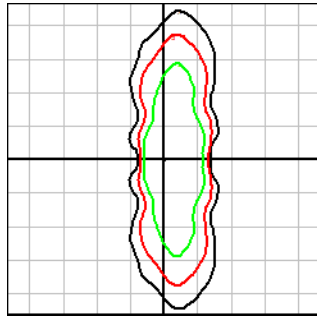
Photometrics:

Evolve™ LED Streetlight (ERLH)

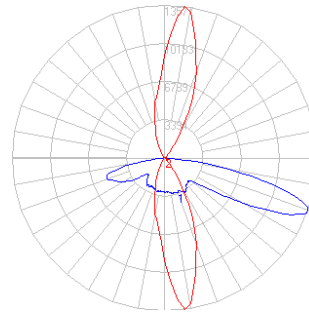
ERLH

Type II Narrow
(13A340)

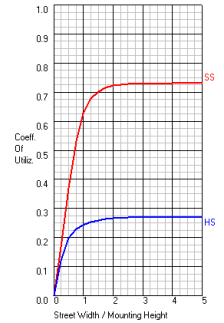
13,000 Lumens
4000K
ERLH_13A340____.IES



Grid Distance in Units of Mounting Height at 30'
Initial Footcandle Values at Grade



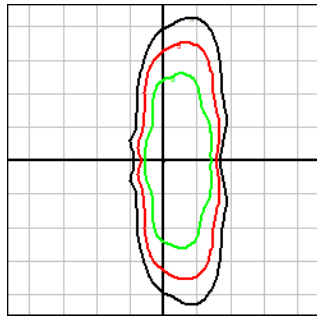
— Vertical plane through horizontal angle of Max. Cd at 80°
— Horizontal cone through vertical angle of Max. Cd at 69°



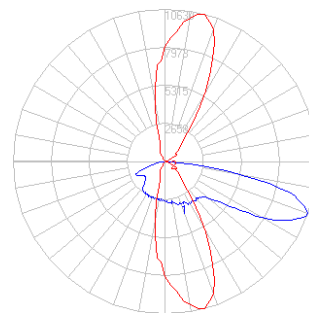
ERLH

Type II Wide
(13B340)

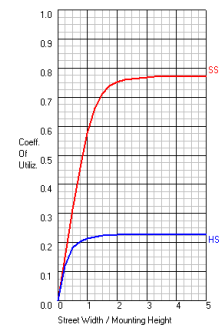
13,000 Lumens
4000K
ERLH_13B340____.IES



Grid Distance in Units of Mounting Height at 30'
Initial Footcandle Values at Grade



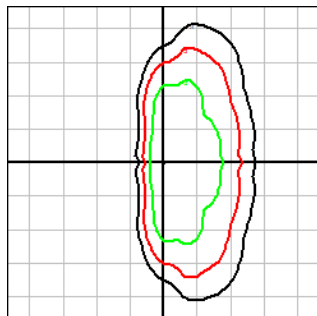
— Vertical plane through horizontal angle of Max. Cd at 80°
— Horizontal cone through vertical angle of Max. Cd at 69°



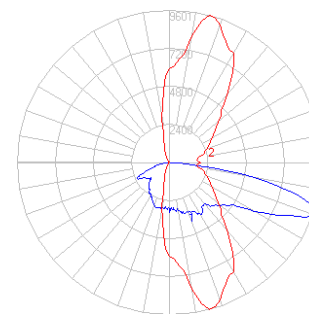
ERLH

Type III
(13C340)

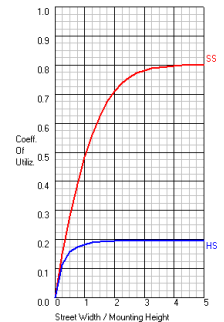
13,000 Lumens
4000K
ERLH_13C340____.IES



Grid Distance in Units of Mounting Height at 30'
Initial Footcandle Values at Grade



— Vertical plane through horizontal angle of Max. Cd at 75°
— Horizontal cone through vertical angle of Max. Cd at 72°



ERLH

Type IV
13D340

13,000 Lumens
4000K
ERLH_13D340____.IES

**AVAILABLE
JULY 2017**

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JULY 2017**

Grid Distance in Units of Mounting Height at xx'
Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of Max. Cd at xx°
— Horizontal cone through vertical angle of Max. Cd at xx°



Project name _____

Date _____

Type _____

ERL2

PROD. ID	VOLTAGE	LUMEN OUTPUT	DISTRIBUTION*	CCT	CONTROLS	COLOR	OPTIONS
E = Evolve R = Roadway L = Local 2 = Double Module	0 = 120-277V* 1 = 120 2 = 208 3 = 240 4 = 277 5 = 480 D = 347 H = 347-480* * Not available with Fusing. Must choose a discrete voltage with F option.	16 18 19 21 23 25 27 28 30 See Table	A3 = Type II Narrow B3 = Type II Wide C3 = Type III D3 = Type IV See Table *Nominal IES Type classing subject to typical variation, individual units may differ.	30 = 3000K <> 40 = 4000K <> Select 3000K CCT for IDA approved units.	A = ANSI C136.41 7-pin D = ANSI C136.41 7-pin with Shorting 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. NOTE: Dimming controls wired for 0-10V standard unless DALI option "U" requested.	GRAY = Gray BLCK = Black DKBZ = Dark Bronze	A = 4 Bolt Slipfitter † F = Fusing G = Internal Bubble Level I = IP66 Optical L = Tool-Less Entry R = Secondary 10kV/5kA SPD U = DALI Programmable ^ Y = Coastal Finish * XXX = Special Options † Contact manufacturer for Lead-Time. * 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	
						120-277V	347-480V	120-277V	347-480V	120-277V	347-480V
16	A3	16000	15300	120	120	B3-U0-G3	B3-U0-G3	ERL2_16A340 .IES		ERL2_16A330 .IES	
	B3					B3-U0-G3	B3-U0-G3	ERL2_16B340 .IES		ERL2_16B330 .IES	
	C3					B2-U0-G3	B2-U0-G3	ERL2_16C340 .IES		ERL2_16C330 .IES	
	D3					TBD	TBD	TBD		TBD	
18	A3	18000	17300	140	140	B3-U0-G3	B3-U0-G3	ERL2_18A340 .IES		ERL2_18A330 .IES	
	B3					B3-U0-G3	B3-U0-G3	ERL2_18B340 .IES		ERL2_18B330 .IES	
	C3					B2-U0-G3	B2-U0-G3	ERL2_18C340 .IES		ERL2_18C330 .IES	
	D3					TBD	TBD	TBD		TBD	
19	A3	19000	18200	149	149	B3-U0-G3	B3-U0-G3	ERL2_19A340 .IES		ERL2_19A330 .IES	
	B3					B3-U0-G3	B3-U0-G3	ERL2_19B340 .IES		ERL2_19B330 .IES	
	C3					B3-U0-G3	B2-U0-G3	ERL2_19C340 .IES		ERL2_19C330 .IES	
	D3					TBD	TBD	TBD		TBD	
21	A3	21000	20100	174	177	B3-U0-G3	B3-U0-G3	ERL2_21A340 .-120-277VIES	ERL2_21A340 .-347-480VIES	ERL2_21A330 .-120-277VIES	ERL2_21A330 .-347-480VIES
	B3					B3-U0-G3	B3-U0-G3	ERL2_21B340 .-120-277VIES	ERL2_21B340 .-347-480VIES	ERL2_21B330 .-120-277VIES	ERL2_21B330 .-347-480VIES
	C3					B3-U0-G3	B3-U0-G3	ERL2_21C340 .-120-277VIES	ERL2_21C340 .-347-480VIES	ERL2_21C330 .-120-277VIES	ERL2_21C330 .-347-480VIES
	D3					TBD	TBD	TBD	TBD	TBD	TBD
23	A3	23000	22100	194	196	B3-U0-G3	B3-U0-G3	ERL2_23A340 .-120-277VIES	ERL2_23A340 .-347-480VIES	ERL2_23A330 .-120-277VIES	ERL2_23A330 .-347-480VIES
	B3					B3-U0-G3	B3-U0-G3	ERL2_23B340 .-120-277VIES	ERL2_23B340 .-347-480VIES	ERL2_23B330 .-120-277VIES	ERL2_23B330 .-347-480VIES
	C3					B3-U0-G3	B3-U0-G3	ERL2_23C340 .-120-277VIES	ERL2_23C340 .-347-480VIES	ERL2_23C330 .-120-277VIES	ERL2_23C330 .-347-480VIES
	D3					TBD	TBD	TBD	TBD	TBD	TBD
25	A3	25000	24000	214	214	B3-U0-G3	B3-U0-G3	ERL2_25A340 .IES		ERL2_25A330 .IES	
	B3					B3-U0-G3	B3-U0-G3	ERL2_25B340 .IES		ERL2_25B330 .IES	
	C3					B3-U0-G3	B3-U0-G3	ERL2_25C340 .IES		ERL2_25C330 .IES	
	D3					TBD	TBD	TBD		TBD	
27	A3	27000	25900	237	237	B3-U0-G3	B3-U0-G3	ERL2_27A340 .IES		ERL2_27A330 .IES	
	B3					B3-U0-G3	B3-U0-G3	ERL2_27B340 .IES		ERL2_27B330 .IES	
	C3					B3-U0-G3	B3-U0-G3	ERL2_27C340 .IES		ERL2_27C330 .IES	
	D3					TBD	TBD	TBD		TBD	
28	A3	28000	26900	251	251	B3-U0-G3	B3-U0-G3	ERL2_28A340 .IES		ERL2_28A330 .IES	
	B3					B3-U0-G3	B3-U0-G3	ERL2_28B340 .IES		ERL2_28B330 .IES	
	C3					B3-U0-G3	B3-U0-G3	ERL2_28C340 .IES		ERL2_28C330 .IES	
	D3					TBD	TBD	TBD		TBD	
30	A3	30000	28800	278	278	B3-U0-G3	B3-U0-G3	ERL2_30A340 .IES		ERL2_30A330 .IES	
	B3					B3-U0-G3	B3-U0-G3	ERL2_30B340 .IES		ERL2_30B330 .IES	
	C3					B3-U0-G3	B3-U0-G3	ERL2_30C340 .IES		ERL2_30C330 .IES	
	D3					TBD	TBD	TBD		TBD	

GE Evolve™

LED Roadway Lighting

ERL1-ERLH-ERL2

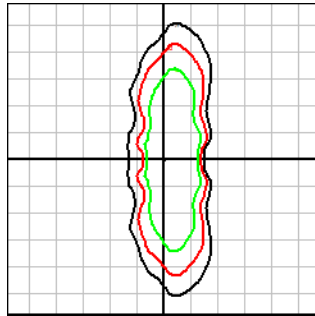
Photometrics:

Evolve™ LED Streetlight (ERL2)

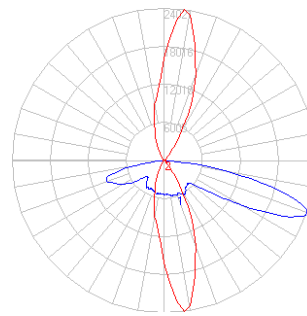
ERL2

Type II Narrow
(23A340)

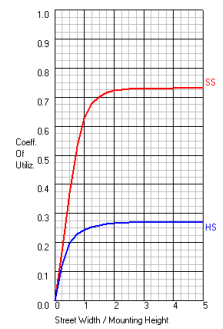
23,000 Lumens
4000K
ERL2_23A340____.IES



Grid Distance in Units of Mounting Height at 30'
Initial Footcandle Values at Grade



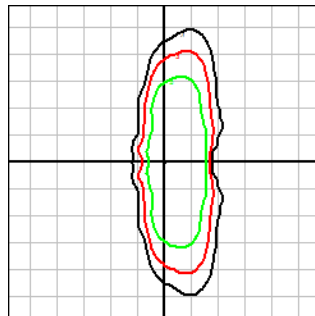
— Vertical plane through horizontal angle of Max. Cd at 80°
— Horizontal cone through vertical angle of Max. Cd at 69°



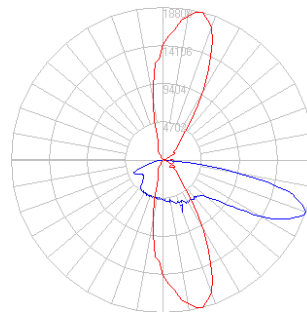
ERL2

Type II Wide
(23B340)

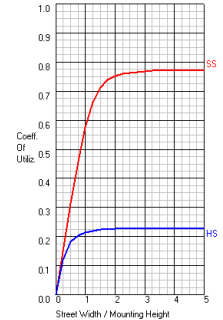
23,000 Lumens
4000K
ERL2_23B340____.IES



Grid Distance in Units of Mounting Height at 30'
Initial Footcandle Values at Grade



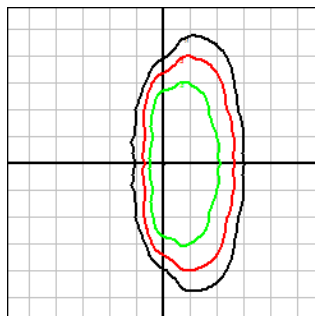
— Vertical plane through horizontal angle of Max. Cd at 80°
— Horizontal cone through vertical angle of Max. Cd at 69°



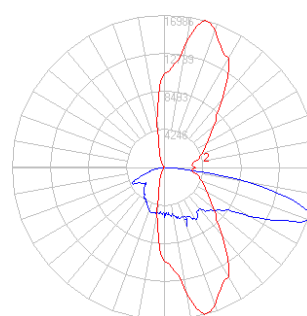
ERL2

Type III
(23C340)

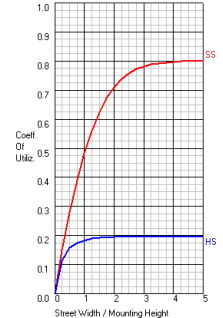
23,000 Lumens
4000K
ERL2_23C340____.IES



Grid Distance in Units of Mounting Height at 30'
Initial Footcandle Values at Grade



— Vertical plane through horizontal angle of Max. Cd at 75°
— Horizontal cone through vertical angle of Max. Cd at 72°



ERL2

Type IV
(23D340)

23,000 Lumens
4000K
ERL2_23D340____.IES

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JULY 2017**

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JULY 2017**

Grid Distance in Units of Mounting Height at xx'
Initial Footcandle Values at Grade

— Vertical plane through horizontal angle of Max. Cd at xx°
— Horizontal cone through vertical angle of Max. Cd at xx°

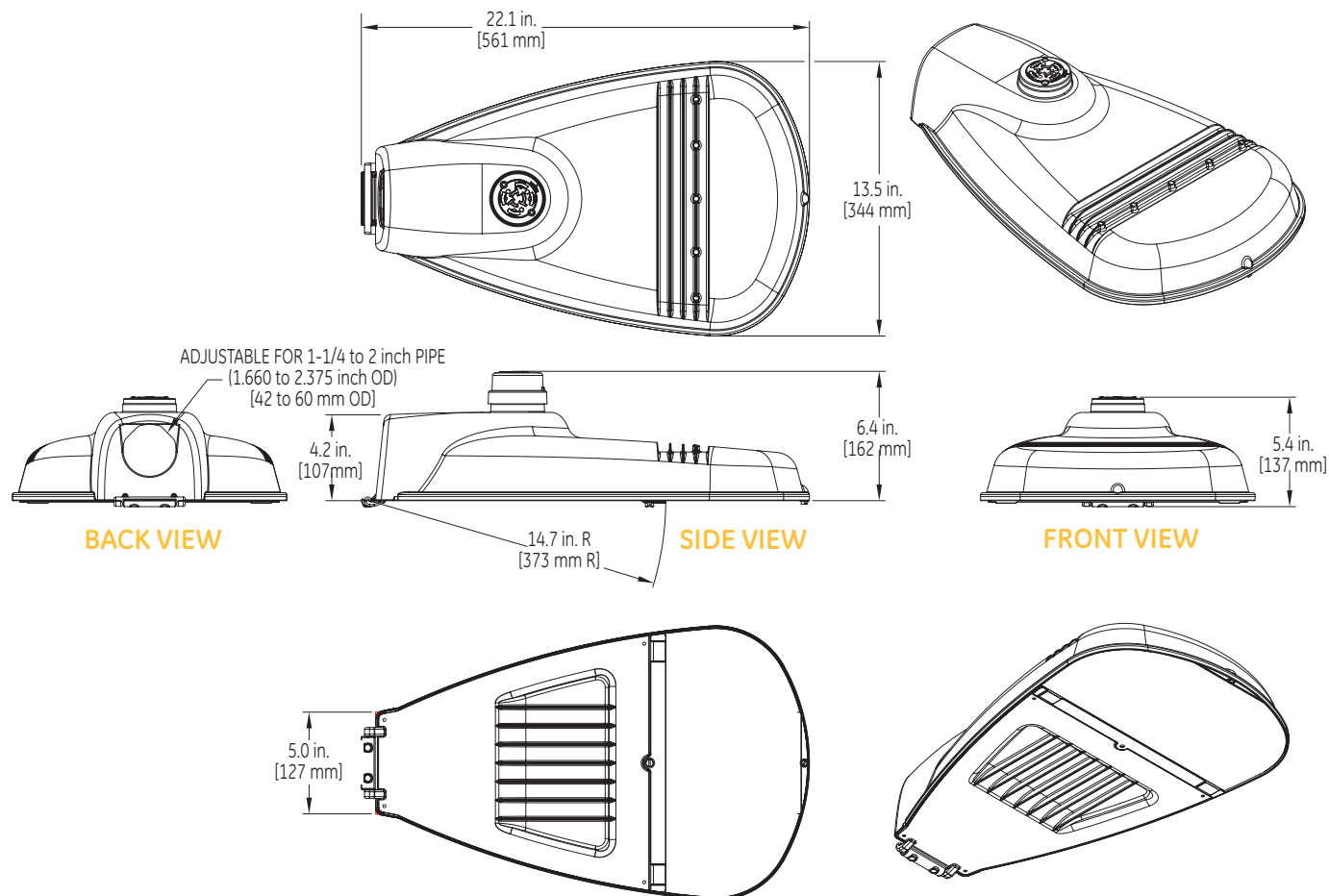
GE Evolve™

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)

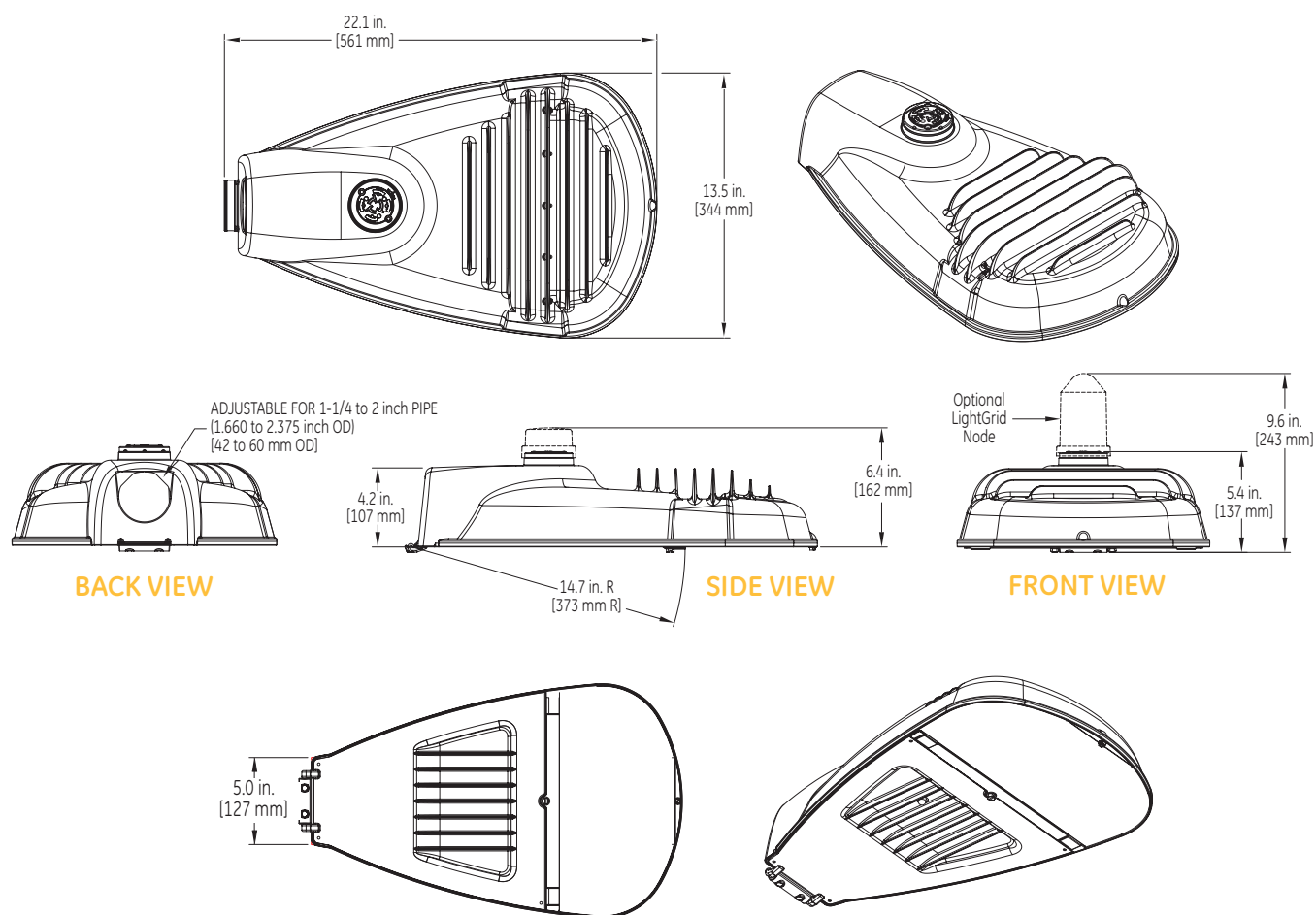
GE Evolve™

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)

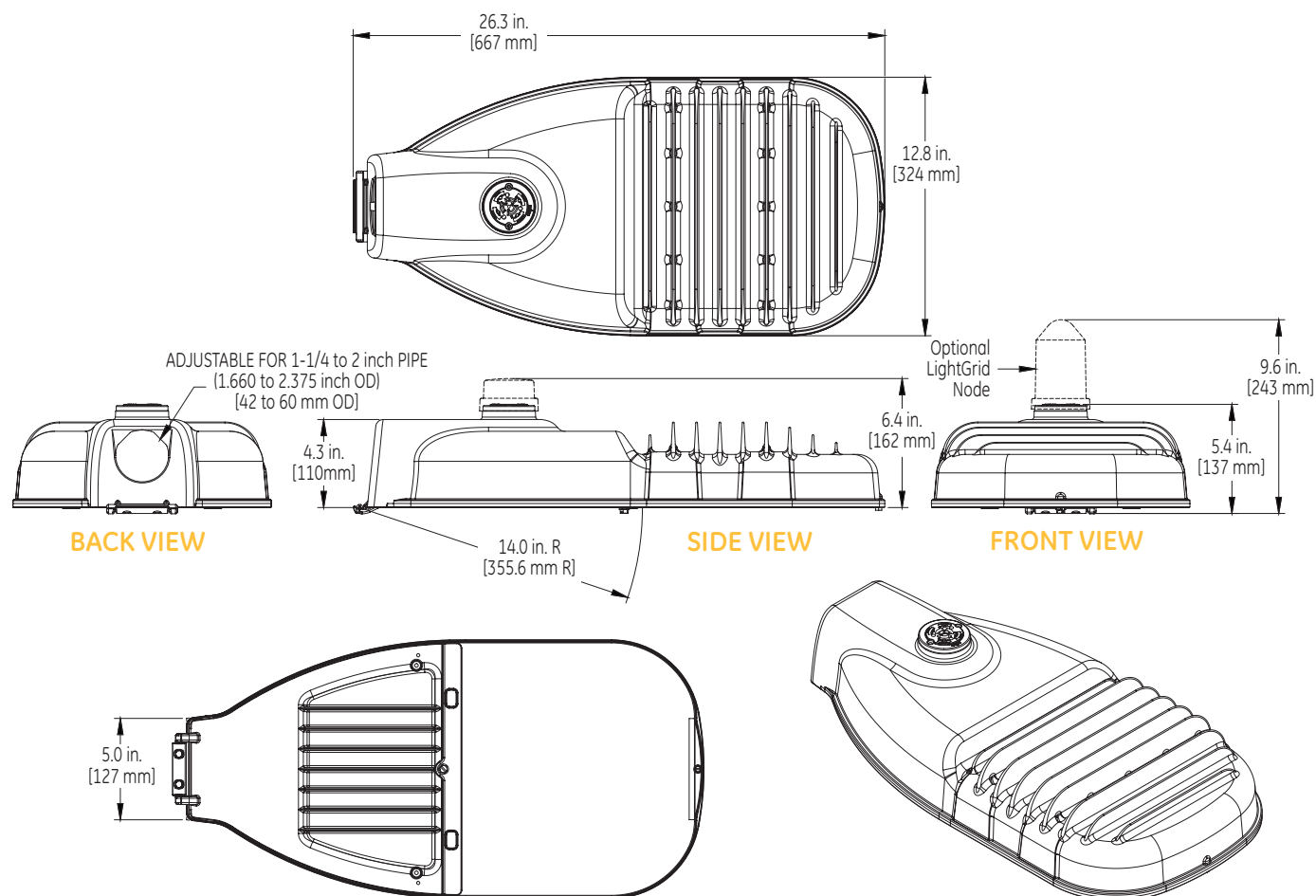
GE Evolve™

LED Roadway Lighting

ERL1-ERLH-ERL2

Product Dimensions:

Evolve™ LED Streetlight (ERL2)



DATA

- Approximate net weight: 24.0 lbs (10.9 kgs)
Contact manufacturer for specific configuration weight.
- Effective Projected Area (EPA): 0.57 sq ft max (0.053 sq m)

GE Evolve™

LED Roadway Lighting

ERL1-ERLH-ERL2



The GE Difference

Building on a reputation for quality and excellence that dates back to Edison's first electric light bulb, GE brings an unsurpassed depth and breadth of expertise to every product. Our commitment to providing the greatest value in high technological solutions is stronger than ever. We deliver innovative options backed by the international reputation of our 130-plus years in the business.

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powered by GE

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