PHOTOMETRIC CALCULATIONS

PROJECT SITE:

Wise Commons
Schaumburg, IL

PREPARED FOR:

Pulte Homes
1900 E Golf Road, Suite 300
Schaumburg, IL 60173

PREPARED BY:

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200

August 23, 2024

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Section A
Catalog Cut Sheets

EVOLVE

ERL1 Cobra Head
LED Roadway Lighting

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:	≥ 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
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)

IP65 IK08 CONTROLS ENABLED

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

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EVOLVE

ERL1 Cobra Head
LED Roadway Lighting

CUSTOMER NAME _____

PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____

Ordering Information

ERL1 _ _ _

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 Shielded

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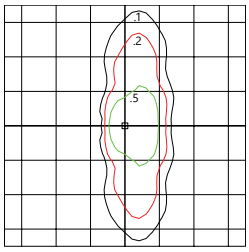
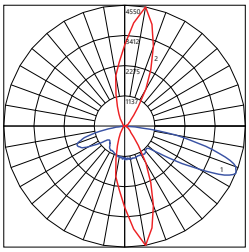
ERL1
Type II Narrow

5,000 Lumens
4000K
ERL1_05A340___.



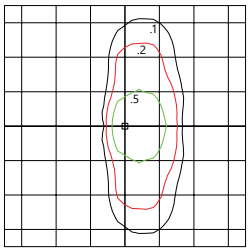


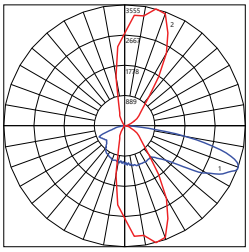
- Mounting Height at 30'
- Initial Footcandle at Grade

— 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



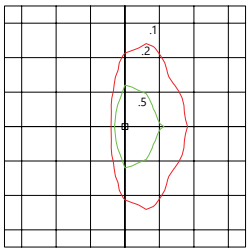


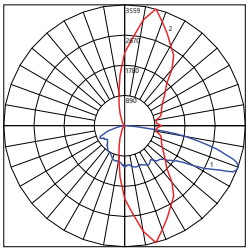
- Mounting Height at 30'
- Initial Footcandle at Grade

— 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



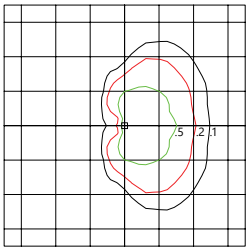


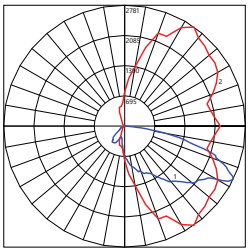
- Mounting Height at 30'
- Initial Footcandle at Grade

— 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



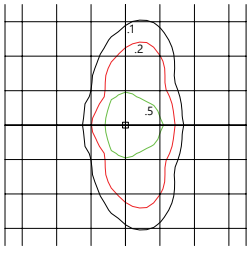


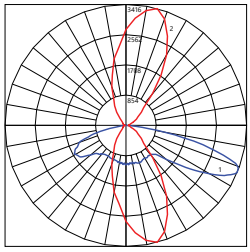
- Mounting Height at 30'
- Initial Footcandle at Grade

— 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°

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EVOLVE

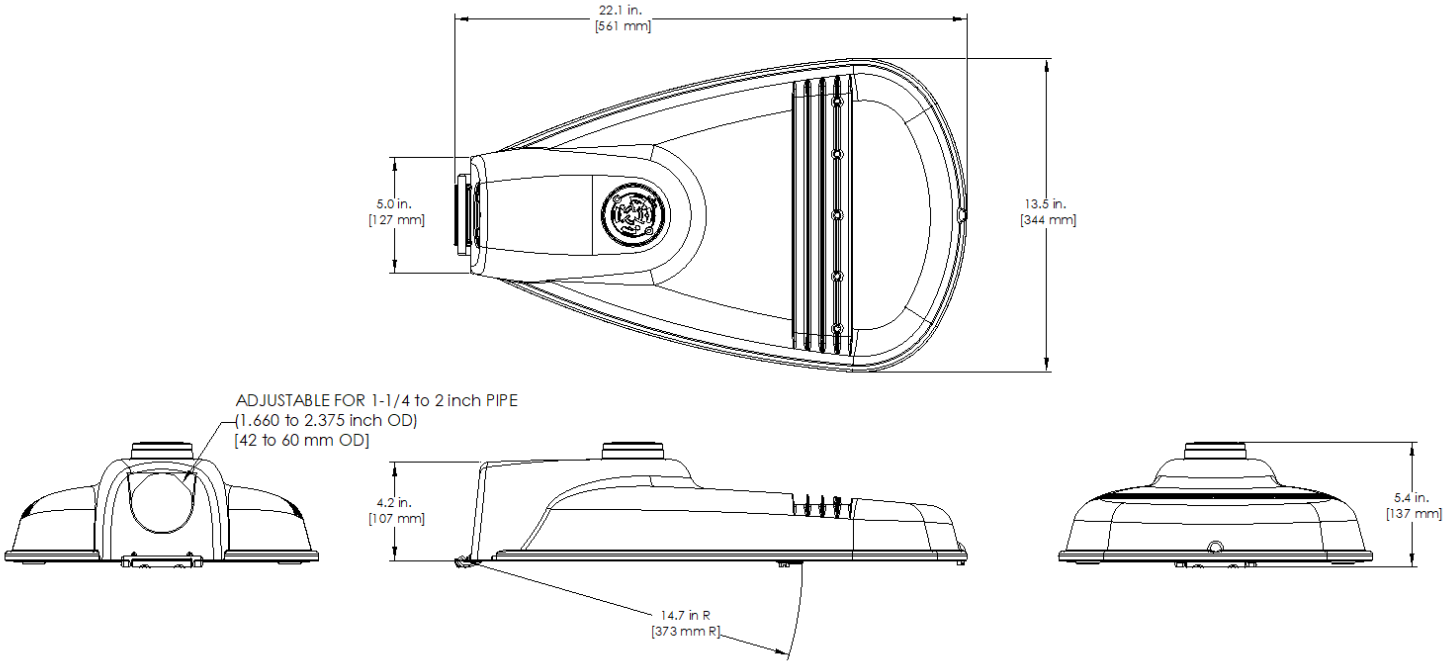
ERL1 Cobra Head
LED Roadway Lighting

CUSTOMER NAME _____

PROJECT NAME _____

DATE _____ TYPE _____

CATALOG NUMBER _____



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.

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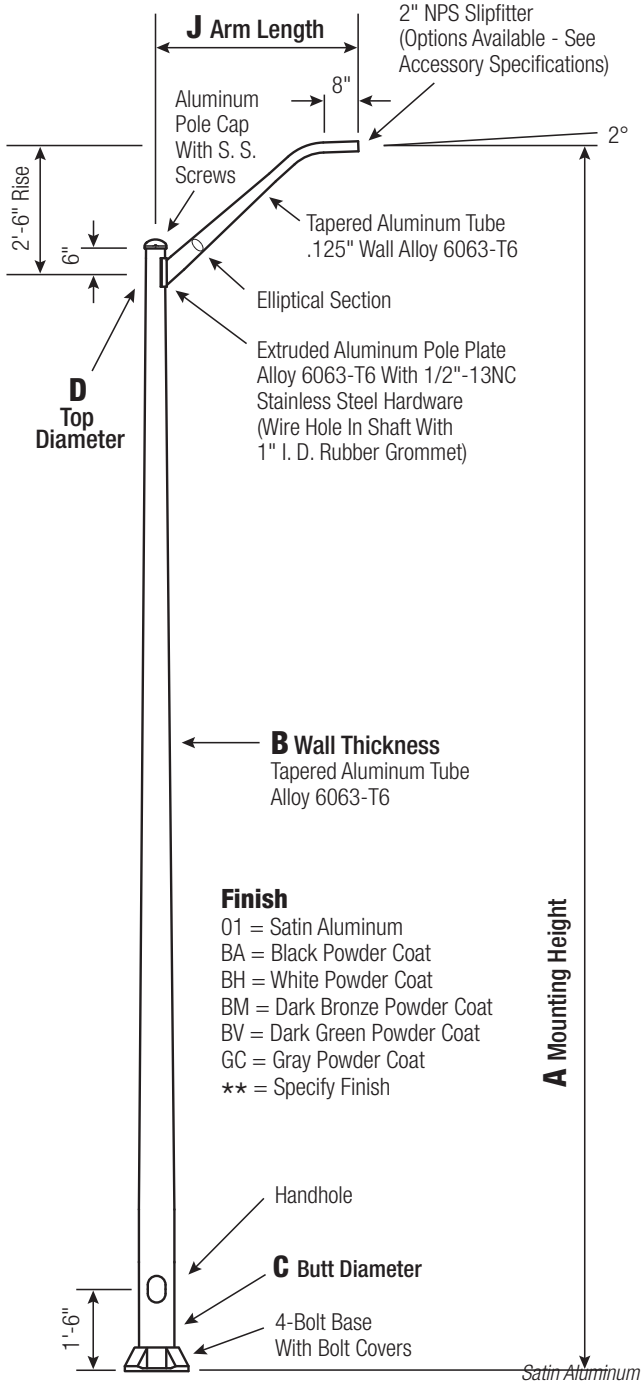
RTA

Round Tapered Aluminum Pole with Arms
Single Mast — 4-Bolt Base



Finish
01 = Satin Aluminum
BA = Black Powder Coat
BH = White Powder Coat
BM = Dark Bronze Powder Coat
BV = Dark Green Powder Coat
GC = Gray Powder Coat
** = Specify Finish

WARNING:
Do not install light pole without luminaire.

Satin Aluminum or Powder Coated Finish per Customer Specification.

A Mtg. Hgt.	B Wall Thickness	C Butt Diameter	J Arm Length	Lum. Weight	Maximum EPA 90	100	110	120	130	Old Cat. Number	Catalog Number
25	0.156"	7	8'	40	6.4	5.0	4.6	3.8	3.0	21-367	RTA25C7B4M18-**

C Butt Dia.	D Top Dia.	F Bolt Cir. Dia.	G Base Sq.	H Bolt Proj.	I Bolt Size
7	4.5	10 - 11	10.5	2.75	1 x 36 x 4

Dimensions in Inches

Customer Name:	
Project:	Location:
Notes:	Quantity:

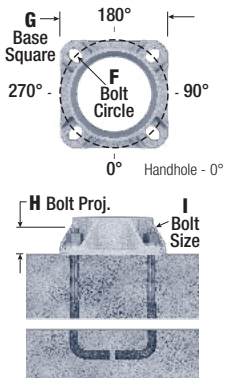
RTA25C7B4M18 - 01
CATALOG NUMBER — FINISH

Pole
Shaft and arm will be constructed of seamless extruded tube of 6063 Aluminum Alloy per the requirements of ASTM B221. The shaft assembly shall be full-length heat treated after base weld to produce a T6 temper.

Base Style
4-Bolt Cast Aluminum Base Flange of Alloy 356-T6 with Aluminum Bolt Covers (Alloy 356-F) and Stainless Steel Hex Head Attaching Screws.

Handhole
Reinforced, 4" x 6" curved Cast Aluminum Frame (Alloy 356-T6) with Aluminum Door and two (2) SS Hex Head Screws. Reinforced Frame will contain a tapped 3/8"-16NC Grounding Provision.

Anchorage
Anchorage Kit will include four (4) L-shaped Steel Anchor Bolts conforming to AASHTO M314-90 Grade 55. Ten inches (10") of threaded end will be galvanized per ASTM A153. Kits will contain four (4) Hex Nuts, four (4) Lock Washers, and four (4) Flat Washers (all components Galvanized Steel). A bolt circle template will be provided.



Vibration Damper
When determined necessary by Hapco, a Vibration Damper will be factory-installed inside the pole shaft. Customer specification of the damper is available.

EPA Notes: *Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated in accordance with 2009 AASHTO LTS-5 using a 25 year design life. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight may reduce the maximum EPA. If weight is exceeded, or if other design life or code is required, please consult the factory.*

hapco pole products
26252 Hillman Highway
Abingdon, VA 24210
800.368.7171
www.hapco.com

Section B
AGI Roadway Optimizer Calculations

Roadway Optimizer - Layout 1

General:

Roadway Standard: ANSI-IES RP-8-18 Roadway
R-Table: R3 (Slightly Specular), Q0=0.07 Actual QO Value: 0.07

Roadway Layout:

Layout Type: One Row, Near Side; 1RNS
Roadway Width: 24 ft
Lanes In Direction Of Travel: 2
Driver's Side Of Roadway: Right

Luminaire Information:

ERL1_05C330_____-120-277V
Description: ERL1_05C330_____-120-277V
File Name: ERL1_05C330_____-120-277V.ies
Lumens Per Lamp: N.A.
Number Of Lamps: 1
Total Lamp Lumens: N.A.
Luminaire Lumens: 4900
Luminaire Watts: 39
Efficiency (%): N.A.
S/P Ratio: 1.00
Total Light Loss Factor: 0.900
Luminaire Arrangement: Single
Arm Length: 8 ft
Offset: 0 ft

Luminaire Location Summary:
Coordinates in ft

Spacing - Row 1: 210

Label	X-Coord	Y-Coord	Z-Coord	Orient	Tilt	Spin
ERL1_05C330_____-12...	630	-4.5	25	90	0	0
ERL1_05C330_____-12...	420	-4.5	25	90	0	0
ERL1_05C330_____-12...	210	-4.5	25	90	0	0
ERL1_05C330_____-12...	0	-4.5	25	90	0	0
ERL1_05C330_____-12...	-210	-4.5	25	90	0	0
ERL1_05C330_____-12...	-420	-4.5	25	90	0	0

Total Number of locations: 6

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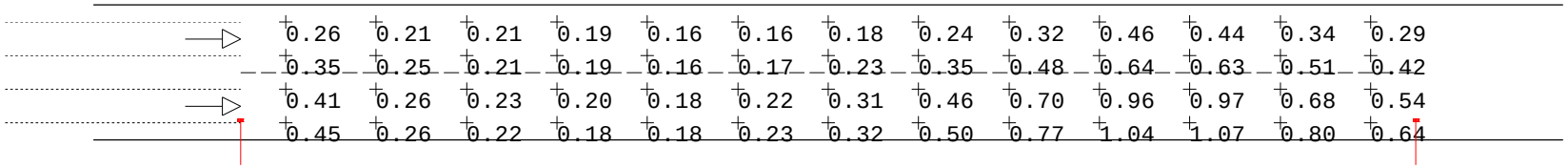
Roadway Optimizer - Layout 1

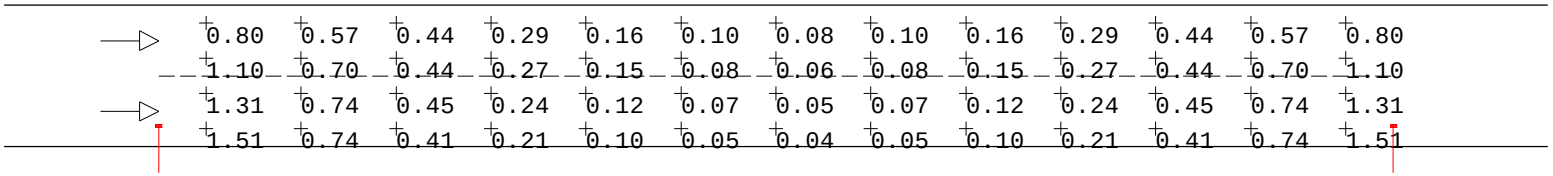
RoadOpt_1_Luminance



Luminance (Cd/SqM)
Average = 0.4
Maximum = 1.07
Minimum = 0.16
Avg/Min Ratio = 2.5
Max/Min Ratio = 6.69
Max/Avg Ratio = 2.68

Roadway Optimizer - Layout 1

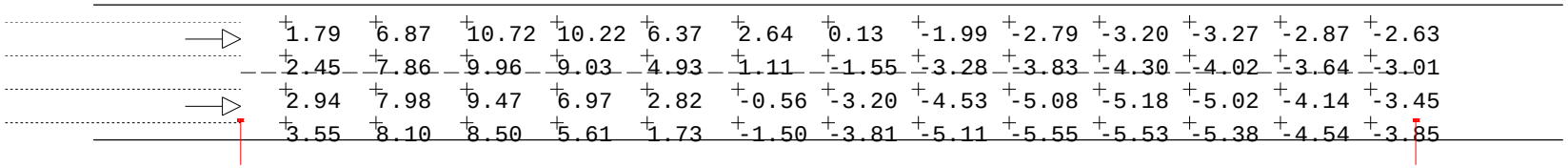
RoadOpt_1_Illum



Illuminance (Fc)
Average = 0.43
Maximum = 1.51
Minimum = 0.04
Avg/Min Ratio = 10.75
Max/Min Ratio = 37.75
Max/Avg Ratio = 3.51

Roadway Optimizer - Layout 1

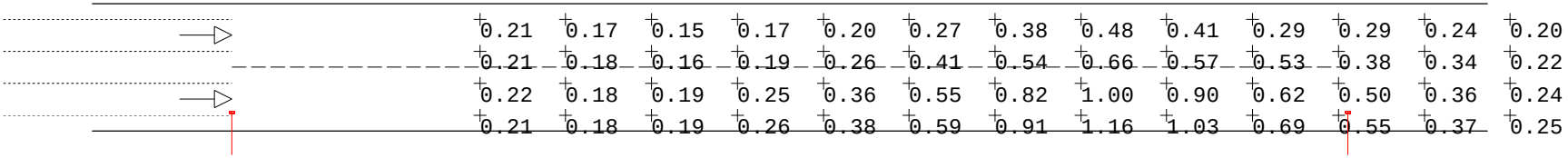
RoadOpt_1_Vis_Level



Visibility Level
STV = 3.935905

Roadway Optimizer - Layout 1

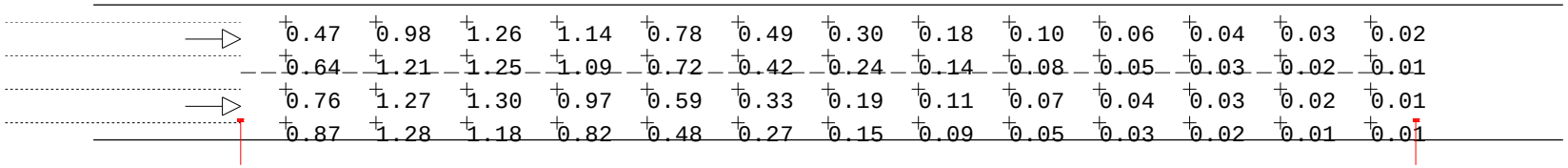
RoadOpt_1_Vis_Level_Bkgd_Lum



Background Luminance (Cd/SqM)
Average = 0.41
Maximum = 1.16
Minimum = 0.15
Avg/Min Ratio = 2.73
Max/Min Ratio = 7.73
Max/Avg Ratio = 2.83

Roadway Optimizer - Layout 1

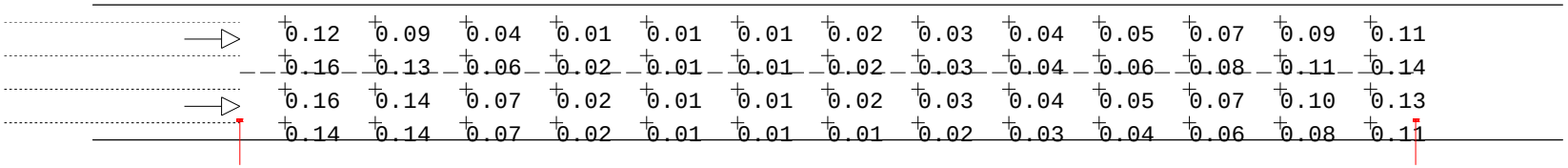
RoadOpt_1_Vis_Level_Target_Lum



Target Luminance (Cd/SqM)
Average = 0.44
Maximum = 1.30
Minimum = 0.01
Avg/Min Ratio = 44
Max/Min Ratio = 130
Max/Avg Ratio = 2.95

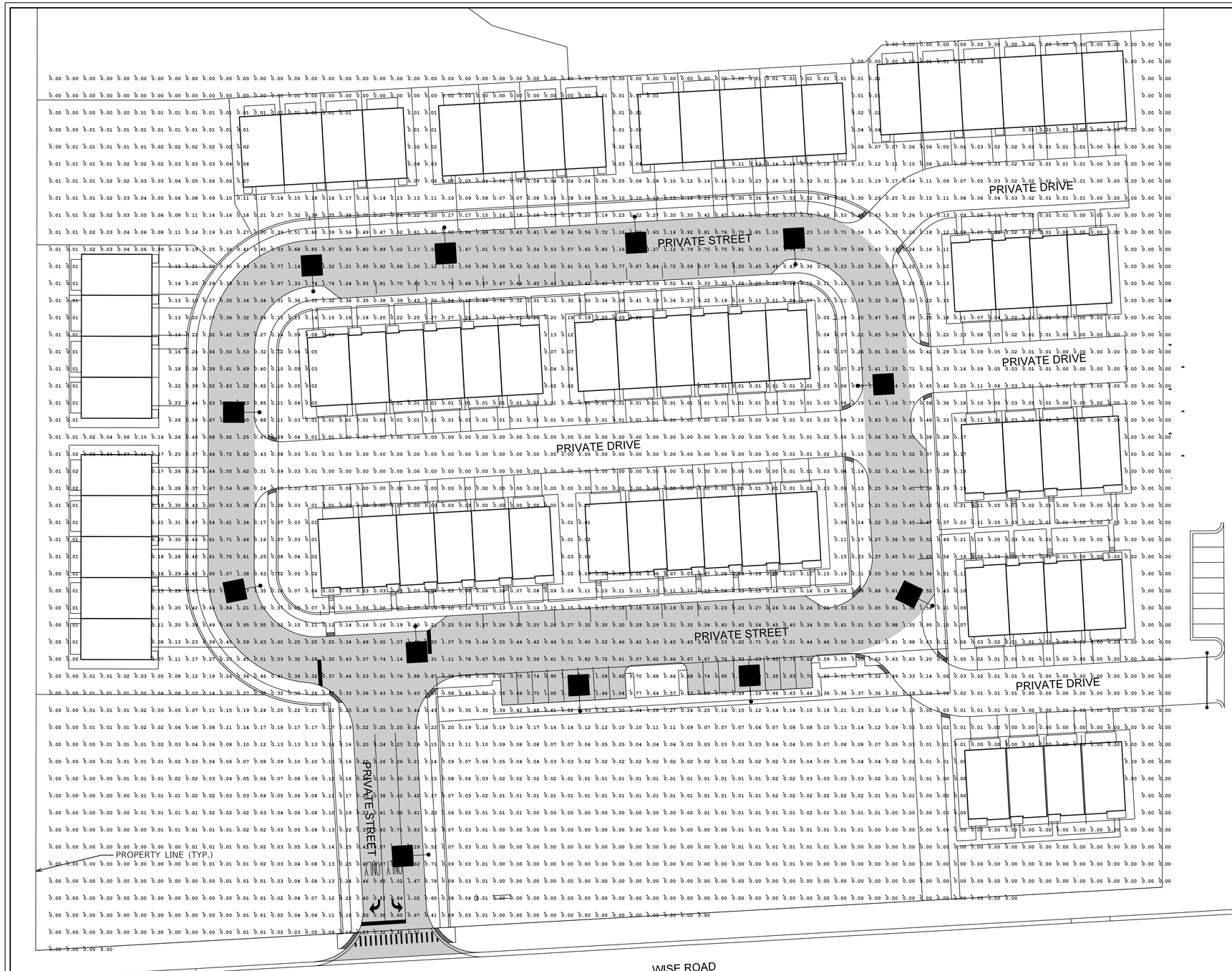
Roadway Optimizer - Layout 1

RoadOpt_1_Veil_Lum



Veiling Luminance (Cd/SqM)
Average = 0.06
Maximum = 0.16
Minimum = 0.01
Avg/Min Ratio = 6
Max/Min Ratio = 16
Max/Avg Ratio = 2.67
MaxLv Ratio = 0.40
Threshold Increment (TI) = 21.65

Section C
Photometric Plan



CALCULATED LIGHTING LEVELS (FOOT CANDLES)					
LOCATION	AVERAGE	MAX	MIN	AVG/MIN	MAX/MIN
PRIVATE STREET	0.69	1.80	0.18	3.83	10.00

= PHOTOMETRIC CALCULATION AREA

SHEET NOTES

1. THE LIGHT POLE LOCATIONS ON THIS PLAN SHOW THE RECOMMENDED PLACEMENT. ADJUSTMENTS TO THESE LOCATIONS MAY BE REQUIRED TO ACCOMMODATE SITE CONDITIONS.
2. PAVEMENT CALCULATION AREAS ARE TAKEN WITHIN THE LIMITS OF PROPOSED PAVEMENT SHOWN ON THIS PLAN.
3. THE PHOTOMETRIC PLAN WAS PREPARED USING THE STREET LIGHTING FIXTURE SCHEDULE ON THIS SHEET.

EVOLVE
ERL1 Cobra Head
LED Roadway Lighting

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 - 16,000
Distribution:	Type 2, 3, 4, V and Type 5 Narrow, and Type 5 Enhanced Backlight
Efficacy:	90-143 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 (P Option) or Secondary 20kV/10kA (T Option)

The ANSI C136.2-2019

*All protection variations listed on this page are DLC qualified. Visit www.designlights.org/search/ to confirm qualifications.

Lumen Maintenance

LUMEN CODE	DISTRIBUTIONS	LUMEN/CCT @ HOURS 25,000 HR	50,000 HR	100,000 HR
05/06	ASBCCS, 0123	L90	L85	L84
07/08/09	ASBCCS, 0123	L95	L85	L80
10	ASBCCS, 0123	L89	L80	L78

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

Warranty

☑ 5 Year (Standard) ☐ 10 Year (Optional)

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EVOLVE
ERL1 Cobra Head
LED Roadway Lighting

CUSTOMER NAME
PROJECT NAME
DATE ____ TYPE
CATALOG NUMBER

Ordering Information

ERL1 _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

PROD. ID	VOLTAGE	LUMENS	DISTRIBUTION*	CCT	CONTROLS PER ANSI C136.41	COLOR	OPTIONS
E = Evolve	2 = 120-277V	05 = 2,000 lm	2 = Type II Narrow	27 = 2700K	A = Fifth Receptacle	BLCK = Black	A = 4 Volt Supplied*
R = Roadway	H = 347-480V*	09 = 3,000 lm	BS = Type V Wide	30 = 3000K*	D = Fifth Receptacle with Shorting Cap	DBZ = Dark Bronze	B = Tether
L = Level		06 = 4,000 lm	23 = Type III	40 = 4000K	E = Fifth Receptacle with Photocontrol Shorting Pin Cutout	GRAY = Gray	F = Fusing
1 = Single Module	1 = 120V	15 = 5,000 lm	33 = Type IV		Note: E HO control requires Shorting Cap Option "D" requested	WHTU = White	S = Internal Bubble Level
	2 = 208V	08 = 6,000 lm	53 = Type V Square				1 = Optional IP66 Optical
	3 = 240V	01 = 7,000 lm					L = Tool-Less Entry
	4 = 277V	09 = 8,000 lm					R = Secondary Knuckle UPS
	5 = 347V	09 = 9,000 lm					V = Secondary 0/5kV/5kA SPD
	6 = 480V	10 = 10,000 lm					U = DALI Programmable*
							W = Field Adjustable Wireless**
							K = Knuckle Pivot*
							Y = Coastal Finish*
							XXX = Special Options

* Not available with Fusing
* Not available in configurations 1, 5, and 6 only
* Evolve 6K Type V Wide is limited to 5 layout models. Individual units may differ
* Not available with Type V Square, Type V Wide, or Type V Narrow
** Control Only Option
** Not available with 347-480V
** Not available in 347V, 480V or 347-480V for Lumen Output Levels 07-10
* Option provides single quick loss per fixture. Standard packaging = 20 units per Wagonfile Container.
* Not compatible with Photocontrol Receptacle. Shorting Cap MUST be installed in the receptacle.
* Not compatible with DC Lumen Code

Suggested HID Replacement

- 4,000 – 5,500 lumens to replace 100W HPS Cobra-head
- 7,000 – 8,500 lumens to replace 150W HPS Cobra-head
- 9,500 – 13,500 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 OPTICAL PATTERN	NEW OPTICAL PATTERN
01, 02	Cobra Head (Symmetric)	01
03, 05	Asymmetric Front/ Back	03
04, 06	Asymmetric Forward Cobra Wide	03
07	Asymmetric Wide	03
N/A	N/A	03

Type II Wide
Type II
Type III
Type III Forward Back Light

The information above is designed to provide a guideline to select the correct luminaire for a specific application. Actual field conditions may be unique.
For proper design & lay-along-Lighting layout.

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

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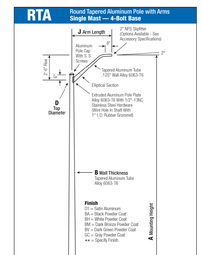
RTA Round Tapered Aluminum Pole with Arms
Single Mast — 4-Bolt Base

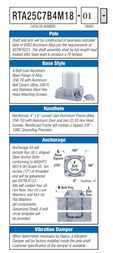
RTA25C7B4M18 - 01 - G



A Mounting Height	B Wall Thickness	C Butt Diameter	D Top Diameter	Shaft Weight (lbs)	Drilling Pattern	Arm Length	Qty	Catalog Number
25	0.156"	7	4	40	4.4	5.0	4.6	3.0	2	21.367	RTA25C7B4M18-***

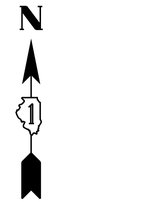
Fixture Mount No.	Fixture Mount No.	Fixture Mount No.	Fixture Mount No.
2	4.5	10 -11	12.5	2.75	1 X 28 X 4

Customer Name:
Project: Location:
Notes: Quantity:



EPA Notes: Effective Projected Area (EPA) in square feet (EPA) calculated using wind velocity (mph) indicated in accordance with AASHTO Standard. EPA values are for round poles only. Add 10% impact on the luminaire weight shown. Increase luminaire weight by 10% for each mast arm. Consult factory for square poles. Weights are ± units or rounded, please consult the factory.

hapco
2501C Hilman Highway
Abingdon, VA 24210
800.388.7483
www.hapco.com



STREET LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	QUANTITY	LLF	COLOR	MOUNTING	CONFIG.	CATALOG NUMBER
■	GE EVOLVE ERL1 SERIES LUMINAIRE, TYPE III DISTRIBUTION, 5000 LUMENS, 25'-0" MOUNTING HEIGHT	12	0.9	3000K	25'-0" HAPCO ALUMINUM TAPERED POLE, GRAY, WITH 8'-0" ARM, METAL FOUNDATION	SINGLE FIXTURE	GE EVOLVE LUMINAIRE: ERL1-O-05-C3-30-GRAY HAPCO POLE: RTA25C7B4M18-01

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

PREPARED FOR:

PULTE HOMES
1900 E. GOLF ROAD, SUITE 300
SCHAUMBURG, ILLINOIS 60173

REVISIONS

NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
1	2024/08/12	UPDATED SITE PLAN			
2	2024/08/23	UPDATED SITE PLAN			

PROJECT NO.: 230978.01	DESIGNED BY: MGS
FILE NAME:	DRAWN BY: MGS
ORIGINAL ISSUE DATE: 2024/03/28	CHECKED BY: MJR
SCALE: 1"=30'	PROJECT MANAGER: MJR

WISE COMMONS

SCHAUMBURG ILLINOIS

PHOTOMETRIC PLAN

DRAWING NO.

P1