

PETH-A0

LED Outdoor Area Light



FEATURES

Lumen Output	17000 to 51000 lumens
Efficacy	170 lm/W
Input Voltage	120-277V or 277-480V
Dimmable	0-10V Continuous
CCT	4000K or 5000K
IP Rating	IP67 Wet Location
Impact Protection	IK10 /20J
Neutral Salt Spray /Fog Rating	Grade 9
Surge Protection	3kV-6.6kV: LN, 5kV-10kV: LN-PE/N-PE
Vibration Rating	3g
Warranty	5 Years

APPLICATIONS

Premium outdoor luminaire suitable for parking areas, auto dealerships, industrial yards, building exteriors, roadways, alleys, and pedestrian walkways.

CONSTRUCTION

Manufactured for weather-proof durability using solid heavy duty die cast aluminum housing with anti-UV polyester coating to resist water, salt, corrosion, discoloration, and scratching. IP67 Wet Location rated for dust-tight, temporary immersion: IEC 60529. Impact Protection IK10, 20 joules: IEC 62262:2002. NSS, Neutral Salt Spray Rating Grade 9, 0<A≤1%: ASTM B117-2018/ASTM D1654-05. Vibration Acceleration Rating 3g: IEC 6008-2-6:1995.

ELECTRICAL

Input voltages 120-277V or 277-480V models with 0-10V Continuous Dimming. Operating temperatures -4°F to 122°F (-20°C to 50°C). Surge Protection Rating 3kV-6.6kV: L-N, 5kV-10kV: L-PE/N-PE: IEC 61000-4-5.

MOUNTING

Adjustable options include Slip-Fit, Round /Square Pole, and Trunnion Mounts.

OPTICS

Anti-UV Clear Polycarbonate IES /NEMA Type III Lens standard. Type II, Type IV, Type V Lens, and Glare Shield available.

CONTROLS

PIR Photocell, Bi-Level Dimming, and Motion Detection programmable twist-lock cap with Remote Control. Shorting Cap for manual switch or timer control.

LISTINGS

DLC Premium listed. UL certified to meet US and Canadian standards. FCC, CE and RoHS compliant.

100W Models



150W, 200W Models



240W, 300W Models



Slip-Fit Mount



Trunnion Mount



Square /Round Pole Mount



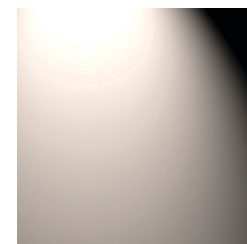
Smart Sensor Cap



CORRELATED COLOR TEMPERATURES (CCT)

4000K

5000K



SPECIFICATIONS

ENERGY DATA

Input Voltage: 120-277V, 277-480V

Input Frequency: 50/60 Hz

Wattage: 100W, 150W, 200W, 240W, 300W

Power Factor: >0.9

Total Harmonic Distortion (THD): <15%

Operating Temperature: -4°F to 122°F (-20°C to 50°C)

LIGHTING DATA

Lumens: 17000 (100W), 25500 (150W), 34000 (200W), 40800 (240W), 51000 (300W)

Lumens Per Watt: 170 lm/W

Color Correlated Temperature (CCT): 4000K, 5000K Dimmable: 0-10V

Color Rendering Index (CRI): >70

L70: 75000 hours

ORDERING INFORMATION

Model	Wattage	Voltage	Current	Lumens	Efficacy	CCT	Dimming	Color	Dimensions	Weight
PETH-A02-100W-HY-4000K	100W	120-277V	0.83A@120V, 0.36A@277V	17000	170 lm/W	4000K	0-10V	Dark Bronze	13.14"L x 12.40"W x 2.55"H	10.40 lbs
PETH-A02-100W-HY-5000K	100W	120-277V	0.83A@120V, 0.36A@277V	17000	170 lm/W	5000K	0-10V	Dark Bronze	13.14"L x 12.40"W x 2.55"H	10.40 lbs
PETH-A01-100W-HY-HV-4000K	100W	277-480V	0.36A@277V, 0.21A@480V	17000	170 lm/W	4000K	0-10V	Dark Bronze	13.14"L x 12.40"W x 2.55"H	10.40 lbs
PETH-A01-100W-HY-HV-5000K	100W	277-480V	0.36A@277V, 0.21A@480V	17000	170 lm/W	5000K	0-10V	Dark Bronze	13.14"L x 12.40"W x 2.55"H	10.40 lbs
PETH-A04-150W-HY-4000K	150W	120-277V	1.25A@120V, 0.54A@277V	25500	170 lm/W	4000K	0-10V	Dark Bronze	17.91"L x 12.40"W x 2.55"H	11.00 lbs
PETH-A04-150W-HY-5000K	150W	120-277V	1.25A@120V, 0.54A@277V	25500	170 lm/W	5000K	0-10V	Dark Bronze, White	17.91"L x 12.40"W x 2.55"H	11.00 lbs
PETH-A03-150W-HY-HV-4000K	150W	277-480V	0.54A@277V, 0.31A@480V	25500	170 lm/W	4000K	0-10V	Dark Bronze	17.91"L x 12.40"W x 2.55"H	11.00 lbs
PETH-A03-150W-HY-HV-5000K	150W	277-480V	0.54A@277V, 0.31A@480V	25500	170 lm/W	5000K	0-10V	Dark Bronze	17.91"L x 12.40"W x 2.55"H	11.00 lbs
PETH-A05-200W-HY-4000K	200W	120-277V	1.67A@120V, 0.72A@277V	34000	170 lm/W	4000K	0-10V	Dark Bronze	17.91"L x 12.40"W x 2.55"H	14.30 lbs
PETH-A05-200W-HY-5000K	200W	120-277V	1.67A@120V, 0.72A@277V	34000	170 lm/W	5000K	0-10V	Dark Bronze	17.91"L x 12.40"W x 2.55"H	14.30 lbs
PETH-A07-240W-HY-4000K	240W	120-277V	2.00A@120V, 0.87A@277V	40800	170 lm/W	4000K	0-10V	Dark Bronze	22.79"L x 12.40"W x 2.55"H	14.60 lbs
PETH-A07-240W-HY-5000K	240W	120-277V	2.00A@120V, 0.87A@277V	40800	170 lm/W	5000K	0-10V	Dark Bronze	22.79"L x 12.40"W x 2.55"H	14.60 lbs
PETH-A06-240W-HY-HV-4000K	240W	277-480V	0.87A@277V, 0.50A@480V	40800	170 lm/W	4000K	0-10V	Dark Bronze	22.79"L x 12.40"W x 2.55"H	14.60 lbs
PETH-A06-240W-HY-HV-5000K	240W	277-480V	0.87A@277V, 0.50A@480V	40800	170 lm/W	5000K	0-10V	Dark Bronze	22.79"L x 12.40"W x 2.55"H	14.60 lbs
PETH-A09-300W-HY-H-4000K	300W	120-277V	2.50A@120V, 1.08A@277V	51000	170 lm/W	4000K	0-10V	Dark Bronze	22.79"L x 12.40"W x 2.55"H	19.40 lbs
PETH-A09-300W-HY-H-5000K	300W	120-277V	2.50A@120V, 1.08A@277V	51000	170 lm/W	5000K	0-10V	Dark Bronze, White	22.79"L x 12.40"W x 2.55"H	19.40 lbs
PETH-A08-300W-HY-HV-4000K	300W	277-480V	1.08A@277V, 0.63A@480V	51000	170 lm/W	4000K	0-10V	Dark Bronze	22.79"L x 12.40"W x 2.55"H	19.40 lbs
PETH-A08-300W-HY-HV-5000K	300W	277-480V	1.08A@277V, 0.63A@480V	51000	170 lm/W	5000K	0-10V	Dark Bronze	22.79"L x 12.40"W x 2.55"H	19.40 lbs

Optics	Mount	Sensor	Accessory
T2 Type II Lens	A Slip-Fit (Adjustable)	ALPCSG2 Photocell Cap Sensor	AGLS Glare Shield
T3 Type III Lens	B Square or Round Pole (Adjustable)	ALMSPCSG2 Photocell + Bi-Level Motion Dimming Sensor	(Blank) None
T4 Type IV Lens	C Square Pole (Adjustable)	SC Shorting Cap	
T5 Type V Lens	D Trunnion Mount (Adjustable)		
	E None		

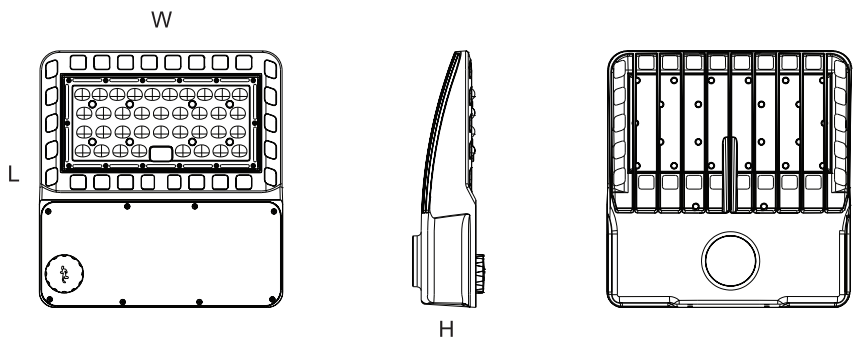
ORDERING GUIDE

PETH	A02	100W	HY	4000K	T3	A	ALPCSG2	AGLS
PETH	Group	Wattage	Voltage	CCT	Lens	Mount	Sensor	Accessory

PHYSICAL DIMENSIONS

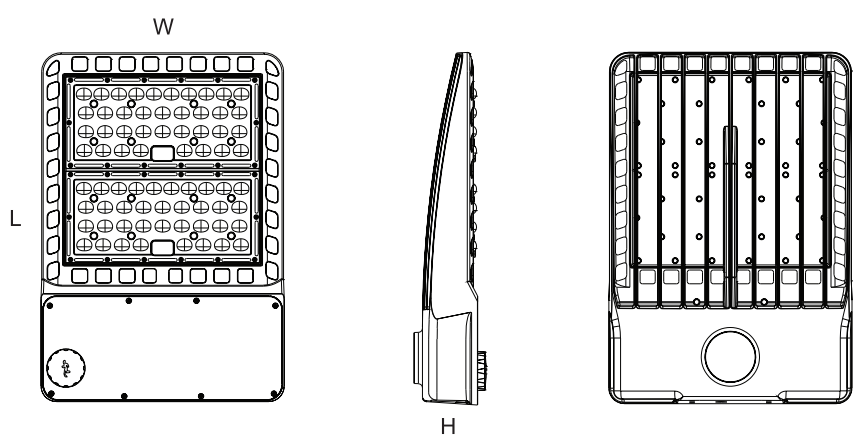
100W Models

13.14"L x 12.40"W x 2.55"H



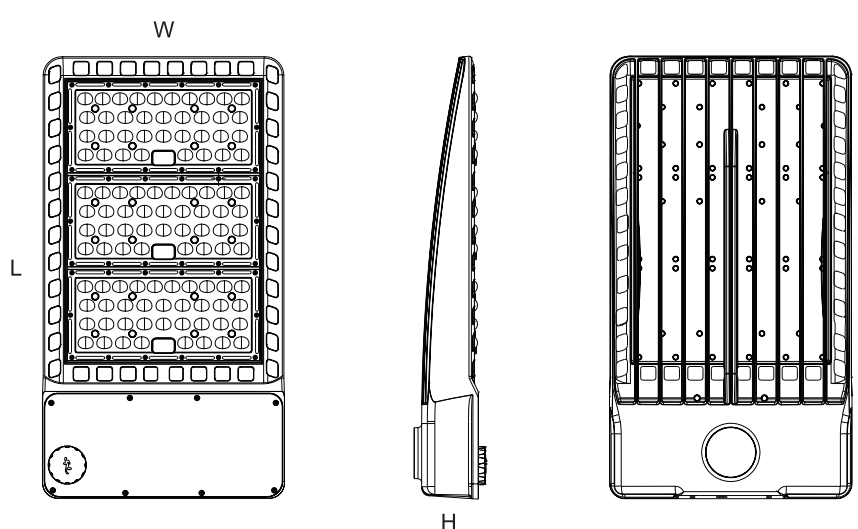
150W and 200W Models

17.91"L x 12.40"W x 2.55"H

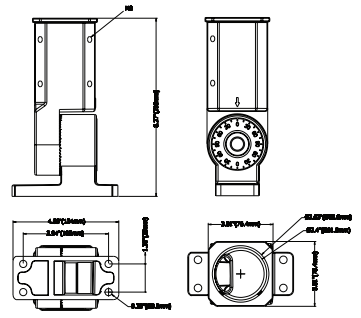


240W and 300W Models

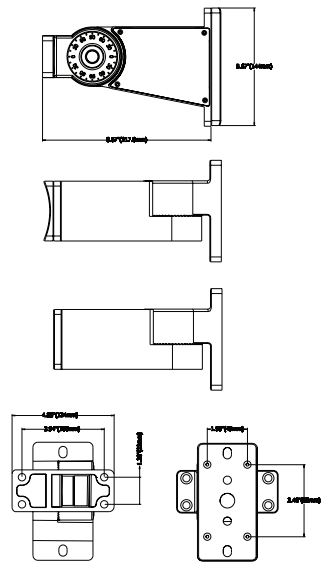
22.79"L x 12.40"W x 2.55"H



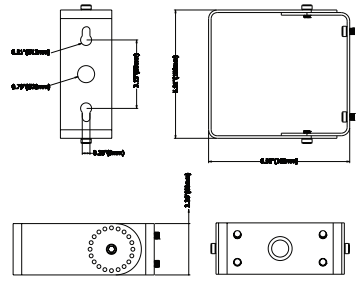
Slip-Fit Mount



Round /Square Pole Mount



Trunnion Mount



JOB NAME: _____
 TYPE: _____
 PART #: _____
 NOTES: _____

SHIPPING INFORMATION

Model Wattage	Mount Type	Unit Weight	Shipping Dimensions	Shipping Weight	Quantity /Box
100W	A - Slip Fit	11.2 lbs	24.6"L x 15.75"W x 5.3"D	13.2 lbs	1
	B - Square or Round Pole	12.3 lbs	24.6"L x 15.75"W x 5.3"D	14.3 lbs	1
	C - Square Pole	10.8 lbs	24.6"L x 15.75"W x 5.3"D	12.8 lbs	1
	D - Trunnion	11.2 lbs	24.6"L x 15.75"W x 5.3"D	13.2 lbs	1
	E - None	10.4 lbs	24.6"L x 15.75"W x 5.3"D	12.3 lbs	1
150W	A - Slip Fit	11.9 lbs	24.6"L x 15.75"W x 5.3"D	13.9 lbs	1
	B - Square or Round Pole	13.0 lbs	24.6"L x 15.75"W x 5.3"D	15.0 lbs	1
	C - Square Pole	11.5 lbs	24.6"L x 15.75"W x 5.3"D	13.4 lbs	1
	D - Trunnion	11.9 lbs	24.6"L x 15.75"W x 5.3"D	15.0 lbs	1
	E - None	11.0 lbs	24.6"L x 15.75"W x 5.3"D	13.0 lbs	1
200W	A - Slip Fit	15.2 lbs	27.1"L x 15.9"W x 5.3"D	17.4 lbs	1
	B - Square or Round Pole	16.3 lbs	27.1"L x 15.9"W x 5.3"D	18.5 lbs	1
	C - Square Pole	14.8 lbs	27.1"L x 15.9"W x 5.3"D	17.0 lbs	1
	D - Trunnion	15.2 lbs	27.1"L x 15.9"W x 5.3"D	17.4 lbs	1
	E - None	14.3 lbs	27.1"L x 15.9"W x 5.3"D	16.5 lbs	1
240W	A - Slip Fit	15.4 lbs	27.1"L x 15.9"W x 5.3"D	17.4 lbs	1
	B - Square or Round Pole	16.5 lbs	27.1"L x 15.9"W x 5.3"D	18.7 lbs	1
	C - Square Pole	15.0 lbs	27.1"L x 15.9"W x 5.3"D	17.2 lbs	1
	D - Trunnion	15.4 lbs	27.1"L x 15.9"W x 5.3"D	17.6 lbs	1
	E - None	14.6 lbs	27.1"L x 15.9"W x 5.3"D	16.8 lbs	1
300W	A - Slip Fit	20.3 lbs	32.0"L x 15.7"W x 5.3"D	22.9 lbs	1
	B - Square or Round Pole	21.2 lbs	32.0"L x 15.7"W x 5.3"D	24.0 lbs	1
	C - Square Pole	19.8 lbs	32.0"L x 15.7"W x 5.3"D	22.5 lbs	1
	D - Trunnion	20.3 lbs	32.0"L x 15.7"W x 5.3"D	22.9 lbs	1
	E - None	19.4 lbs	32.0"L x 15.7"W x 5.3"D	22.0 lbs	1

PETH-A02-100W-HY-5000K (277V)

Distribution: Nema Type III, Short, Cutoff

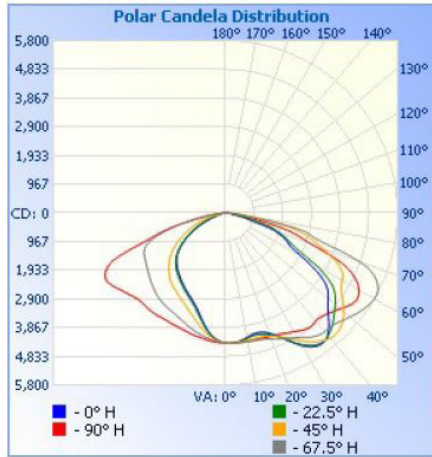
Lamp Output: 17383.9 lumens

Max Candela: 5798.0 at Horizontal: 67.5°, Vertical: 61°

Input Wattage: 100.52

Nema Type: 7 X 7

BUG: B3 U3 G3



Distribution: Nema Type IV, Very Short, Semi-Cutoff

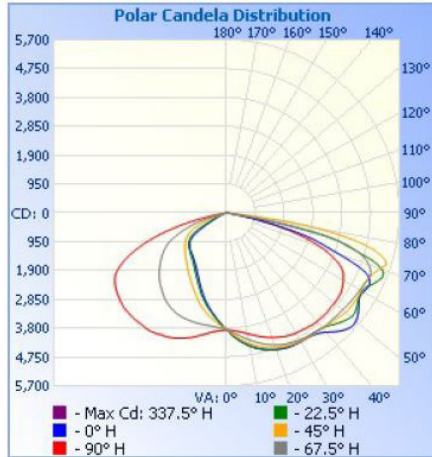
Lamp Output: 17358.8 lumens

Max Candela: 5616.1 at Horizontal: 337.5°, Vertical: 69°

Input Wattage: 101.07

Nema Type: 7 X 7

BUG: B3 U2 G2



Distribution: Nema Type V, Very Short, Semi-Cutoff

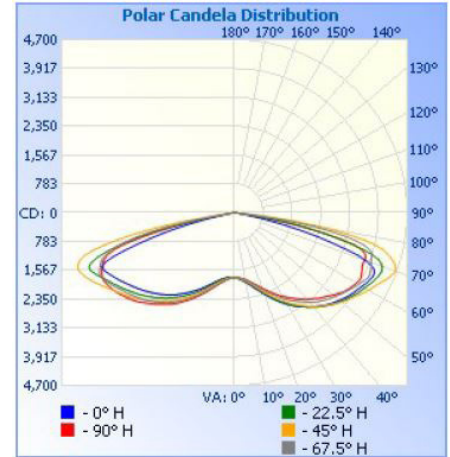
Lamp Output: 17356.7 lumens

Max Candela: 4658.9 at Horizontal: 45°, Vertical: 70°

Input Wattage: 99.86

Nema Type: 7 X 7

BUG: B4 U2 G2



ROADWAY SUMMARY

Max Cd, 90° Vertical: 19.4

Max Cd, 80 to <90°: 2780.7

	Lumens	% Lamp
Downward Street Side	10565.3	60.8%
Downward House Side	6648.8	38.2%
Downward Total	17214.1	99%
Upward Street Side	88.6	0.5%
Upward House Side	81.3	0.5%
Upward Total	169.8	1%
Total Lumens:	17383.9	100%

Max Cd, 90° Vertical: 18.9

Max Cd, 80 to <90°: 3287.3

	Lumens	% Lamp
Downward Street Side	12195.6	70.3%
Downward House Side	5115.9	29.5%
Downward Total	17311.4	99.7%
Upward Street Side	21.3	0.1%
Upward House Side	26.1	0.2%
Upward Total	47.4	0.3%
Total Lumens:	17358.8	100%

Max Cd, 90° Vertical: 19.4

Max Cd, 80 to <90°: 2780.7

	Lumens	% Lamp
Downward Street Side	8982.4	51.8%
Downward House Side	8318.2	47.9%
Downward Total	17300.6	99.7%
Upward Street Side	30.5	0.2%
Upward House Side	25.6	0.1%
Upward Total	56.1	0.3%
Total Lumens:	17356.7	100%

FLOOD SUMMARY

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	97.4%	16929.9	159.2	152.5
Beam (50%)	77.9%	13548.1	139.9	112.7
Total	99.9%	17375.6		

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	98.7%	17127.7	130.7	143.2
Beam (50%)	82.3%	14278.9	114.6	95.9
Total	99.9%	17347.4		

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	99.2%	17219.1	143.6	162.8
Beam (50%)	90.4%	15692.2	130.1	153.3
Total	99.9%	17341.9		

ILLUMINANCE

Height	Center Beam fc	Beam Width	Vert.	Horiz.
17.0 ft	15.2 fc	51.1 ft	93.2 ft	
34.0 ft	3.79 fc	102.1 ft	186.4 ft	
51.0 ft	1.68 fc	153.2 ft	279.6 ft	
68.0 ft	0.95 fc	204.2 ft	372.8 ft	
85.0 ft	0.61 fc	255.3 ft	466.0 ft	
102.0 ft	0.42 fc	306.3 ft	559.2 ft	
			Vert. 112.7°	Horiz. 139.9°

Height	Center Beam fc	Beam Width	Vert.	Horiz.
17.0 ft	13.3 fc	37.7 ft	53.0 ft	
34.0 ft	3.34 fc	75.4 ft	105.9 ft	
51.0 ft	1.48 fc	113.1 ft	158.9 ft	
68.0 ft	0.83 fc	150.8 ft	211.8 ft	
85.0 ft	0.53 fc	188.5 ft	264.8 ft	
102.0 ft	0.37 fc	226.2 ft	317.7 ft	
			Vert. 95.9°	Horiz. 114.6°

Height	Center Beam fc	Beam Width	Vert.	Horiz.
17.0 ft	6.10 fc	143.3 ft	73.1 ft	
34.0 ft	1.53 fc	286.7 ft	146.3 ft	
51.0 ft	0.68 fc	430.0 ft	219.4 ft	
68.0 ft	0.38 fc	573.3 ft	292.5 ft	
85.0 ft	0.24 fc	716.6 ft	365.6 ft	
102.0 ft	0.17 fc	860.0 ft	438.8 ft	
			Vert. 153.3°	Horiz. 130.1°

Distribution: Nema Type III, Short, Cutoff

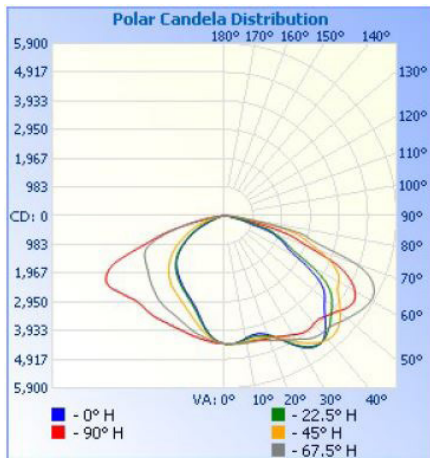
Lamp Output: 17341.9 lumens

Max Candela: 5807.0 at Horizontal: 67.5° , Vertical: 61°

Input Wattage: 99.78

Nema Type: 7 X 7

BUG: B3 U3 G3



Distribution: Nema Type IV, Very Short, Semi-Cutoff

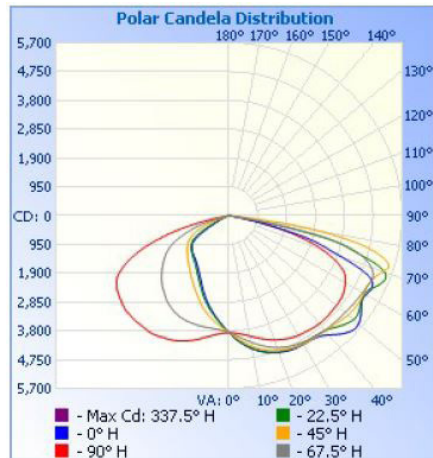
Lamp Output: 17337.5 lumens

Max Candela: 5609.9 at Horizontal: 337.5° , Vertical: 69°

Input Wattage: 100.57

Nema Type: 7 X 7

BUG: B3 U2 G2



Distribution: Nema Type V, Very Short, Semi-Cutoff

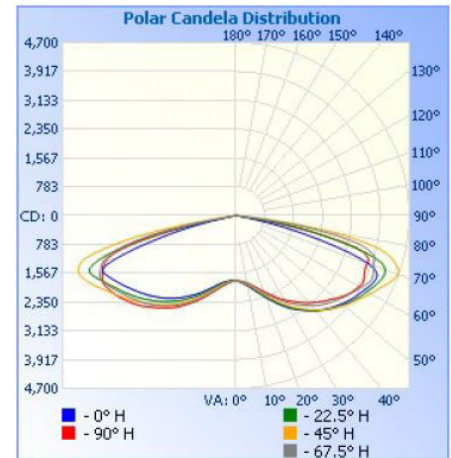
Lamp Output: 17368 lumens

Max Candela: 4681.8 at Horizontal: 45° , Vertical: 70°

Input Wattage: 99.33

Nema Type: 7 X 7

BUG: B4 U2 G2



ROADWAY SUMMARY

Max Cd, 90° Vertical: 173.9

Max Cd, 80 to <90°: 1300.5

	Lumens	% Lamp
Downward Street Side	10538.6	60.8%
Downward House Side	6633.3	38.3%
Downward Total	17171.9	99%
Upward Street Side	88.8	0.5%
Upward House Side	81.2	0.5%
Upward Total	170.0	1%
Total Lumens:	17342.0	100%

Max Cd, 90° Vertical: 18.0

Max Cd, 80 to <90°: 3277.4

	Lumens	% Lamp
Downward Street Side	12118.1	70.3%
Downward House Side	5102.9	29.4%
Downward Total	17291.0	99.7%
Upward Street Side	20.9	0.1%
Upward House Side	25.6	0.1%
Upward Total	46.5	0.3%
Total Lumens:	17337.5	100%

Max Cd, 90° Vertical: 18.7

Max Cd, 80 to <90°: 2754.8

	Lumens	% Lamp
Downward Street Side	8964.8	51.6%
Downward House Side	8347.9	48.1%
Downward Total	17312.7	99.7%
Upward Street Side	30.1	0.2%
Upward House Side	25.1	0.1%
Upward Total	55.2	0.3%
Total Lumens:	17368.0	100%

FLOOD SUMMARY

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	97.4%	16882.5	159.0	152.5
Beam (50%)	77.8%	13485.5	139.5	112
Total	99.9%	17332.8		

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	98.7%	17108.2	130.7	143.2
Beam (50%)	82.3%	14270.7	114.6	95.9
Total	99.9%	17326.3		

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	99.2%	17228.4	140.4	162.8
Beam (50%)	90.4%	15695.9	126.7	153.2
Total	99.9%	17353.0		

ILLUMINANCE

Height	Center Beam fc	Beam Width	
17.0 ft	15.2 fc	50.4 ft	92.1 ft
34.0 ft	3.79 fc	100.9 ft	184.2 ft
51.0 ft	1.68 fc	151.3 ft	276.3 ft
68.0 ft	0.95 fc	201.7 ft	368.4 ft
85.0 ft	0.61 fc	252.1 ft	460.5 ft
102.0 ft	0.42 fc	302.6 ft	552.6 ft
	Vert. 112.0°	Horiz. 139.5°	

Height	Center Beam fc	Beam Width	
17.0 ft	13.3 fc	37.7 ft	53.0 ft
34.0 ft	3.33 fc	75.4 ft	106.0 ft
51.0 ft	1.48 fc	113.1 ft	159.0 ft
68.0 ft	0.83 fc	150.8 ft	212.0 ft
85.0 ft	0.53 fc	188.5 ft	265.0 ft
102.0 ft	0.37 fc	226.2 ft	318.0 ft
	Vert. 95.9°	Horiz. 114.6°	

Height	Center Beam fc	Beam Width	
17.0 ft	6.13 fc	142.7 ft	67.7 ft
34.0 ft	1.53 fc	285.4 ft	135.4 ft
51.0 ft	0.68 fc	428.1 ft	203.1 ft
68.0 ft	0.38 fc	570.8 ft	270.8 ft
85.0 ft	0.25 fc	713.5 ft	338.5 ft
102.0 ft	0.17 fc	856.2 ft	406.3 ft
	Vert. 153.2°	Horiz. 126.7°	

PETH-A04-150W-HY-5000K (277V)

Distribution: Nema Type III, Short, Cutoff

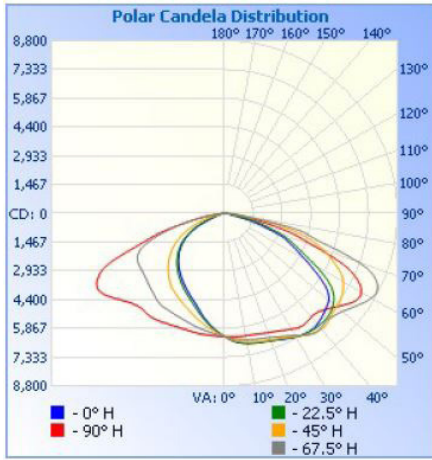
Lamp Output: 25911.5 lumens

Max Candela: 8729.6 at Horizontal: 67.5°, Vertical: 62°

Input Wattage: 149.38

Nema Type: 7 X 7

BUG: B4 U3 G3



Distribution: Nema Type IV, Very Short, Non-Cutoff

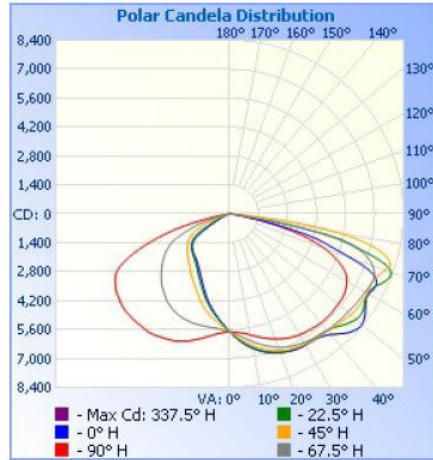
Lamp Output: 25957.6 lumens

Max Candela: 8372.0 at Horizontal: 337.5°, Vertical: 69°

Input Wattage: 150.14

Nema Type: 7 X 7

BUG: B3 U3 G3



Distribution: Nema Type V, Very Short, Semi-Cutoff

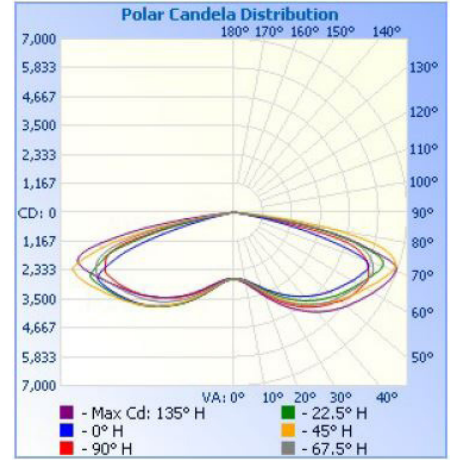
Lamp Output: 26090.8 lumens

Max Candela: 6953.0 at Horizontal: 135°, Vertical: 70°

Input Wattage: 149.93

Nema Type: 7 X 7

BUG: B5 U3 G3



ROADWAY SUMMARY

Max Cd, 90° Vertical: 276.7

Max Cd, 80 to <90°: 1871.9

	Lumens	% Lamp
Downward Street Side	15829.3	61.1%
Downward House Side	9876.3	38.1%
Downward Total	25705.6	99.2%
Upward Street Side	104.2	0.4%
Upward House Side	101.7	0.4%
Upward Total	206.0	0.8%
Total Lumens:	25911.5	100%

Max Cd, 90° Vertical: 29.4

Max Cd, 80 to <90°: 5466.6

	Lumens	% Lamp
Downward Street Side	18369.8	70.8%
Downward House Side	7515.7	29%
Downward Total	25885.5	99.7%
Upward Street Side	32.4	0.1%
Upward House Side	39.8	0.2%
Upward Total	72.2	0.3%
Total Lumens:	25957.6	100%

Max Cd, 90° Vertical: 38.4

Max Cd, 80 to <90°: 4363.9

	Lumens	% Lamp
Downward Street Side	12954.9	49.7%
Downward House Side	13000.9	49.8%
Downward Total	25955.8	99.5%
Upward Street Side	72.2	0.3%
Upward House Side	62.9	0.2%
Upward Total	135.0	0.5%
Total Lumens:	26090.8	100%

FLOOD SUMMARY

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	97.6%	25285.8	159.2	149.6
Beam (50%)	78.4%	20325.4	138.9	111.5
Total	100%	25900.1		

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	98.7%	25614.9	149.9	140.8
Beam (50%)	82.3%	21371.6	137.0	89.8
Total	99.9%	25940.9		

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	98.9%	25814.1	141.8	162.7
Beam (50%)	90.4%	23575.3	127.2	152.4
Total	99.9%	26069.1		

ILLUMINANCE

Height	Center Beam fc	Beam Width	
17.0 ft	21.7 fc	49.9 ft	90.8 ft
34.0 ft	5.43 fc	99.8 ft	181.5 ft
51.0 ft	2.41 fc	149.7 ft	272.3 ft
68.0 ft	1.36 fc	199.6 ft	363.1 ft
85.0 ft	0.87 fc	249.5 ft	453.8 ft
102.0 ft	0.60 fc	299.5 ft	544.6 ft
		Vert. 111.5°	Horiz. 138.9°

Height	Center Beam fc	Beam Width	
17.0 ft	19.7 fc	33.9 ft	86.4 ft
34.0 ft	4.93 fc	67.7 ft	172.7 ft
51.0 ft	2.19 fc	101.6 ft	259.1 ft
68.0 ft	1.23 fc	135.5 ft	345.5 ft
85.0 ft	0.79 fc	169.3 ft	431.9 ft
102.0 ft	0.55 fc	203.2 ft	518.2 ft
		Vert. 89.8°	Horiz. 137.0°

Height	Center Beam fc	Beam Width	
17.0 ft	9.29 fc	138.6 ft	68.4 ft
34.0 ft	2.32 fc	277.3 ft	136.9 ft
51.0 ft	1.03 fc	415.9 ft	205.3 ft
68.0 ft	0.58 fc	554.5 ft	273.8 ft
85.0 ft	0.37 fc	693.2 ft	342.2 ft
102.0 ft	0.26 fc	831.8 ft	410.7 ft
		Vert. 152.4°	Horiz. 127.2°

PETH-A03-150W-HY-HV-5000K (480V)

Distribution: Nema Type III, Short, Cutoff Lamp

Output: 25848.9 lumens

Max Candela: 8703.0 at Horizontal: 67.5°, Vertical: 62° **Input**

Wattage: 148.27

Nema Type: 7 X 7

BUG: B4 U3 G3

Distribution: Nema Type IV, Very Short, Non-Cutoff

Lamp Output: 25925.8 lumens

Max Candela: 8354.8 at Horizontal: 337.5°, Vertical: 69°

Input Wattage: 149.4

Nema Type: 7 X 7

BUG: B3 U3 G3

Distribution: Nema Type V, Very Short, Semi-Cutoff

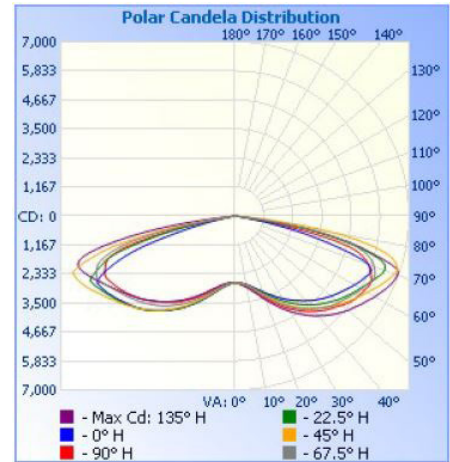
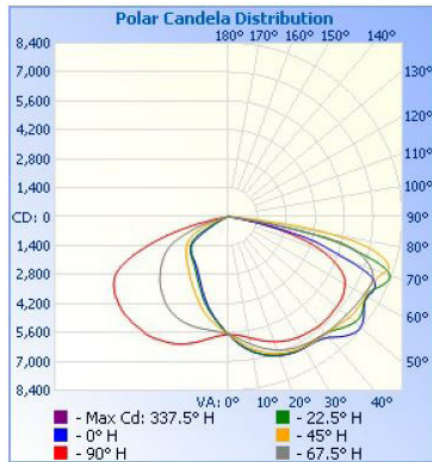
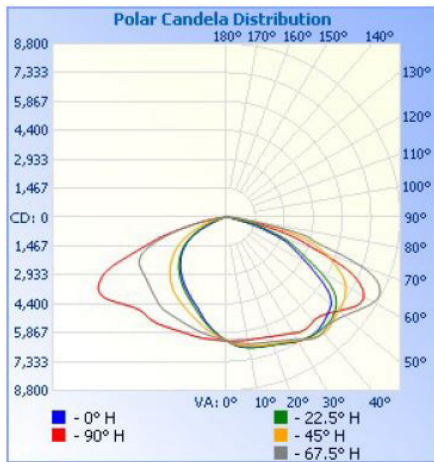
Lamp Output: 26107.7 lumens

Max Candela: 6949.7 at Horizontal: 135°, Vertical: 70°

Input Wattage: 149.14

Nema Type: 7 X 7

BUG: B5 U3 G3



ROADWAY SUMMARY

Max Cd, 90° Vertical: 273.6

Max Cd, 80 to <90°: 1883.0

	Lumens	% Lamp
Downward Street Side	15801.0	61.1%
Downward House Side	9856.2	38.1%
Downward Total	25657.1	99.3%
Upward Street Side	97.4	0.4%
Upward House Side	94.4	0.4%
Upward Total	191.8	0.7%
Total Lumens:	25848.9	100%

Max Cd, 90° Vertical: 29.8

Max Cd, 80 to <90°: 5421.0

	Lumens	% Lamp
Downward Street Side	18349.8	70.8%
Downward House Side	7503.5	28.9%
Downward Total	25853.3	99.7%
Upward Street Side	32.8	0.1%
Upward House Side	39.8	0.2%
Upward Total	72.5	0.3%
Total Lumens:	25925.9	100%

Max Cd, 90° Vertical: 37.0

Max Cd, 80 to <90°: 4371.5

	Lumens	% Lamp
Downward Street Side	12927.2	49.7%
Downward House Side	13017.3	49.9%
Downward Total	25989.4	99.5%
Upward Street Side	62.8	0.2%
Upward House Side	55.4	0.2%
Upward Total	118.3	0.5%
Total Lumens:	26107.7	100%

FLOOD SUMMARY

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	97.6%	25240.1	159.2	149.6
Beam (50%)	78.6%	20313.2	139.0	111.6
Total	100%	25837.9		

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	98.7%	25580.4	149.9	140.8
Beam (50%)	82.3%	21341.5	136.9	89.7
Total	99.9%	25907.9		

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	99.0%	25847.1	141.5	162.6
Beam (50%)	90.5%	23627.8	126.9	152.3
Total	99.9%	26085.3		

ILLUMINANCE

Height	Center Beam fc	Beam Width	Vert.	Horiz.
17.0 ft	21.7 fc	50.0 ft	111.6°	139.0°
34.0 ft	5.42 fc	100.0 ft		
51.0 ft	2.41 fc	150.0 ft		
68.0 ft	1.36 fc	200.0 ft		
85.0 ft	0.87 fc	250.0 ft		
102.0 ft	0.60 fc	299.9 ft		

Height	Center Beam fc	Beam Width	Vert.	Horiz.
17.0 ft	19.7 fc	33.8 ft	89.7°	136.9°
34.0 ft	4.93 fc	67.6 ft		
51.0 ft	2.19 fc	101.5 ft		
68.0 ft	1.23 fc	135.3 ft		
85.0 ft	0.79 fc	169.1 ft		
102.0 ft	0.55 fc	202.9 ft		

Height	Center Beam fc	Beam Width	Vert.	Horiz.
17.0 ft	9.30 fc	137.9 ft	152.3°	126.9°
34.0 ft	2.32 fc	275.8 ft		
51.0 ft	1.03 fc	413.7 ft		
68.0 ft	0.58 fc	551.6 ft		
85.0 ft	0.37 fc	689.5 ft		
102.0 ft	0.26 fc	827.4 ft		

PETH-A05-200W-HY-5000K (277V)

Distribution: Nema Type III, Short, Cutoff

Lamp Output: 34755.6 lumens

Max Candela: 11704.5 at Horizontal: 67.5°, Vertical: 63°

Input Wattage: 202.15

Nema Type: 7 X 7

BUG: B4 U3 G4

Distribution: Nema Type IV, Very Short, Non-Cutoff

Lamp Output: 34458.9 lumens

Max Candela: 10647.6 at Horizontal: 292.5°, Vertical: 57°

Input Wattage: 201.88

Nema Type: 7 X 7

BUG: B4 U3 G5

Distribution: Nema Type V, Very Short, Non-Cutoff

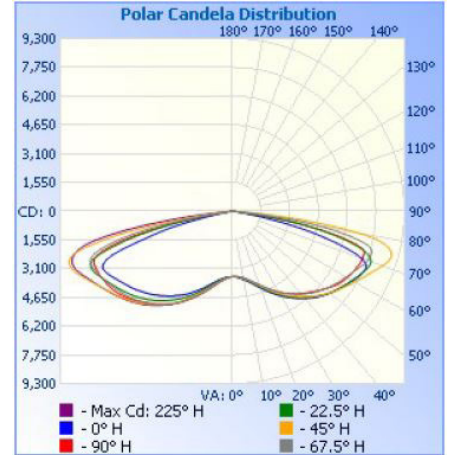
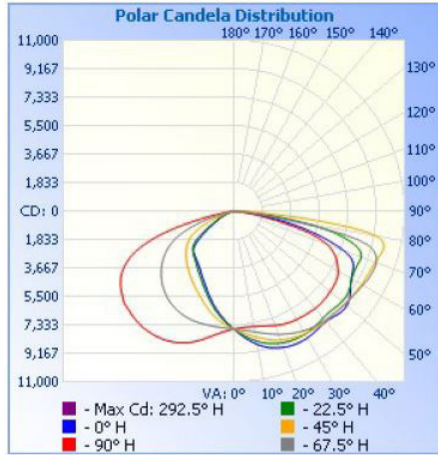
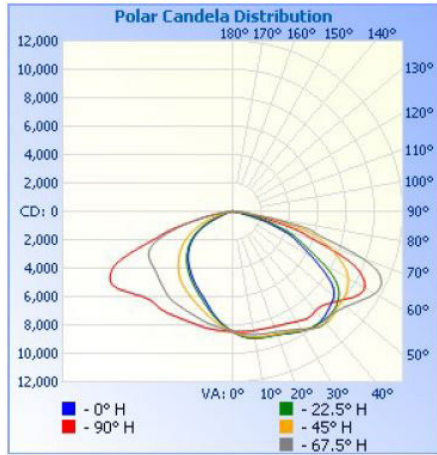
Lamp Output: 34715.6 lumens

Max Candela: 9267.4 at Horizontal: 225°, Vertical: 72°

Input Wattage: 200.97

Nema Type: 7 X 7

BUG: B5 U3 G4



ROADWAY SUMMARY

Max Cd, 90° Vertical: 369.1

Max Cd, 80 to <90°: 2613.5

	Lumens	% Lamp
Downward Street Side	21278.7	61.2%
Downward House Side	13252.0	38.1%
Downward Total	34530.7	99.4%
Upward Street Side	115.7	0.3%
Upward House Side	109.2	0.3%
Upward Total	224.9	0.6%
Total Lumens:	34755.6	100%

Max Cd, 90° Vertical: 122.7

Max Cd, 80 to <90°: 9361.1

	Lumens	% Lamp
Downward Street Side	24177.8	70.2%
Downward House Side	10151.4	29.5%
Downward Total	34329.2	99.6%
Upward Street Side	61.4	0.2%
Upward House Side	68.3	0.2%
Upward Total	129.6	0.4%
Total Lumens:	34458.9	100%

Max Cd, 90° Vertical: 43.7

Max Cd, 80 to <90°: 7114.5

	Lumens	% Lamp
Downward Street Side	17596.1	50.7%
Downward House Side	16978.3	48.9%
Downward Total	34574.5	99.6%
Upward Street Side	74.8	0.2%
Upward House Side	66.3	0.2%
Upward Total	141.1	0.4%
Total Lumens:	34715.6	100%

FLOOD SUMMARY

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	97.8%	33990.5	159.5	150.1
Beam (50%)	78.6%	27334.9	139.4	112.4
Total	100%	34739.8		

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	98.5%	33934.2	158.7	144.2
Beam (50%)	82.7%	28499.6	146.3	107.2
Total	99.9%	34433.5		

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	99.1%	34398.1	142.2	162.7
Beam (50%)	90.0%	31248.6	126.6	153.3
Total	99.9%	34682.9		

ILLUMINANCE

Height	Center Beam fc	Beam Width	Vert.	Horiz.
17.0 ft	29.3 fc	50.8 ft	112.4°	139.4°
34.0 ft	7.32 fc	101.5 ft		
51.0 ft	3.25 fc	152.3 ft		
68.0 ft	1.83 fc	203.0 ft		
85.0 ft	1.17 fc	253.8 ft		
102.0 ft	0.81 fc	304.5 ft		

Height	Center Beam fc	Beam Width	Vert.	Horiz.
17.0 ft	26.3 fc	46.1 ft	107.2°	146.3°
34.0 ft	6.58 fc	92.1 ft		
51.0 ft	2.92 fc	138.2 ft		
68.0 ft	1.64 fc	184.3 ft		
85.0 ft	1.05 fc	230.4 ft		
102.0 ft	0.73 fc	276.4 ft		

Height	Center Beam fc	Beam Width	Vert.	Horiz.
17.0 ft	12.2 fc	143.0 ft	153.3°	126.6°
34.0 ft	3.05 fc	286.1 ft		
51.0 ft	1.36 fc	429.1 ft		
68.0 ft	0.76 fc	572.1 ft		
85.0 ft	0.49 fc	715.2 ft		
102.0 ft	0.34 fc	858.2 ft		

PETH-A07-240W-HY-5000K (277V)

Distribution: Nema Type III, Short, Cutoff

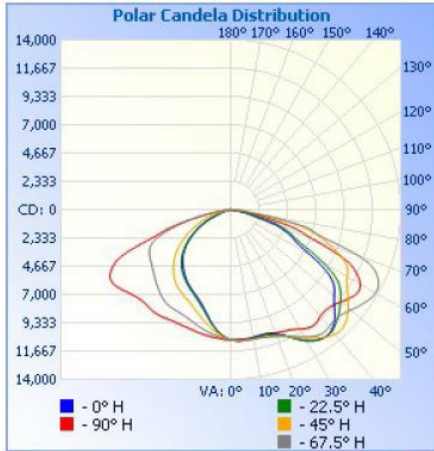
Lamp Output: 42165.7 lumens

Max Candela: 13777.7 at Horizontal: 67.5°, Vertical: 61°

Input Wattage: 243.38

Nema Type: 7 X 7

BUG: B4 U3 G4



Distribution: Nema Type IV, Very Short, Non-Cutoff

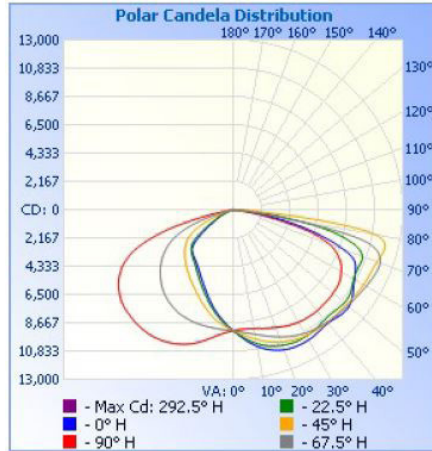
Lamp Output: 41840.4 lumens

Max Candela: 12947.8 at Horizontal: 292.5°, Vertical: 55°

Input Wattage: 242.75

Nema Type: 7 X 7

BUG: B4 U3 G5



Distribution: Nema Type V, Very Short, Non-Cutoff

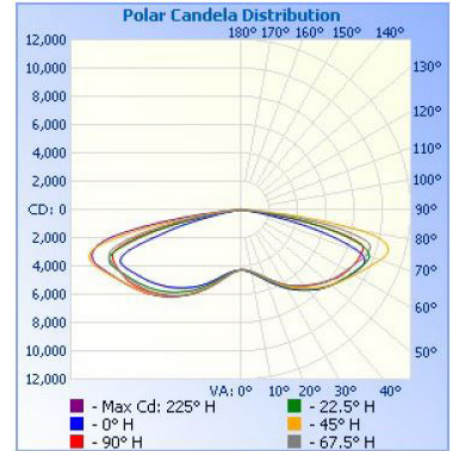
Lamp Output: 42111 lumens

Max Candela: 11241.6 at Horizontal: 225°, Vertical: 72°

Input Wattage: 241.92

Nema Type: 7 X 7

BUG: B5 U3 G4



ROADWAY SUMMARY

Max Cd, 90° Vertical: 343.3

Max Cd, 80 to <90°: 3389.2

	Lumens	% Lamp
Downward Street Side	26017.6	61.7%
Downward House Side	15966.0	37.9%
Downward Total	41983.6	99.6%
Upward Street Side	94.1	0.2%
Upward House Side	88.0	0.2%
Upward Total	182.1	0.4%
Total Lumens:	42165.6	100%

Max Cd, 90° Vertical: 94.9

Max Cd, 80 to <90°: 11146.8

	Lumens	% Lamp
Downward Street Side	29323.2	70.1%
Downward House Side	12374.8	29.6%
Downward Total	41698.1	99.7%
Upward Street Side	66.3	0.2%
Upward House Side	76.0	0.2%
Upward Total	142.4	0.3%
Total Lumens:	41840.5	100%

Max Cd, 90° Vertical: 53.0

Max Cd, 80 to <90°: 8630.1

	Lumens	% Lamp
Downward Street Side	21344.6	50.7%
Downward House Side	20595.2	48.9%
Downward Total	41939.8	99.6%
Upward Street Side	90.8	0.2%
Upward House Side	80.4	0.2%
Upward Total	171.2	0.4%
Total Lumens:	42111.0	100%

FLOOD SUMMARY

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	98.0%	41328.4	159.1	152.1
Beam (50%)	80.5%	33938.0	139.6	112.0
Total	100%	42146.0		

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	98.5%	41216.6	158.4	143.7
Beam (50%)	82.7%	34617.1	146.2	105.9
Total	99.9%	41810.2		

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	99.1%	41725.7	142.2	162.7
Beam (50%)	90.0%	37905.4	126.6	153.3
Total	99.9%	42071.2		

ILLUMINANCE

Height	Center Beam fc	Beam Width	Vert.	Horiz.
17.0 ft	37.1 fc	50.4 ft	112.0°	139.6°
34.0 ft	9.28 fc	100.8 ft		
51.0 ft	4.12 fc	151.2 ft		
68.0 ft	2.32 fc	201.6 ft		
85.0 ft	1.48 fc	252.1 ft		
102.0 ft	1.03 fc	302.5 ft		

Height	Center Beam fc	Beam Width	Vert.	Horiz.
17.0 ft	32.1 fc	45.0 ft	105.9°	146.2°
34.0 ft	8.03 fc	90.1 ft		
51.0 ft	3.57 fc	135.1 ft		
68.0 ft	2.01 fc	180.2 ft		
85.0 ft	1.28 fc	225.2 ft		
102.0 ft	0.89 fc	270.2 ft		

Height	Center Beam fc	Beam Width	Vert.	Horiz.
17.0 ft	14.8 fc	143.0 ft	153.3°	126.6°
34.0 ft	3.70 fc	286.1 ft		
51.0 ft	1.65 fc	429.1 ft		
68.0 ft	0.93 fc	572.1 ft		
85.0 ft	0.59 fc	715.2 ft		
102.0 ft	0.41 fc	858.2 ft		

PETH-A06-240W-HY-HV-5000K (480V)

Distribution: Nema Type III, Short, Cutoff

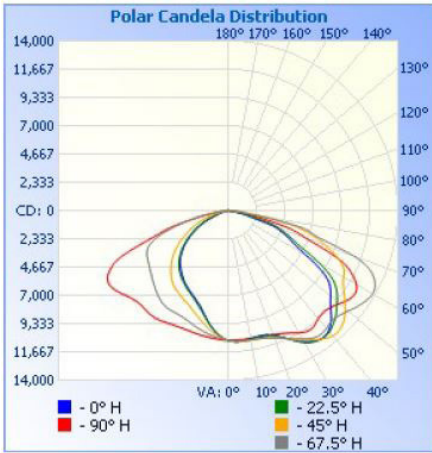
Lamp Output: 42063.6 lumens

Max Candela: 13766.3 at Horizontal: 67.5°, Vertical: 61°

Input Wattage: 241.58

Nema Type: 7 X 7

BUG: B4 U3 G4



Distribution: Nema Type IV, Very Short, Non-Cutoff

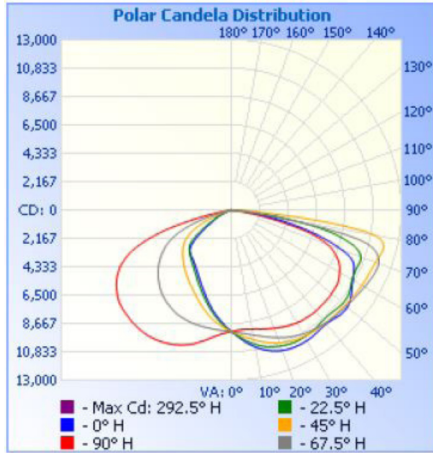
Lamp Output: 41789.1 lumens

Max Candela: 12932.0 at Horizontal: 292.5°, Vertical: 55°

Input Wattage: 241.55

Nema Type: 7 X 7

BUG: B4 U3 G5



Distribution: Nema Type V, Very Short, Non-Cutoff

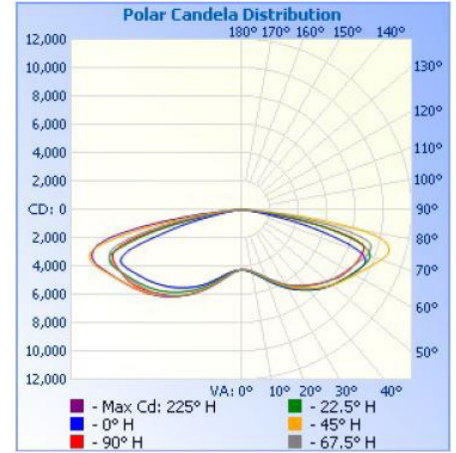
Lamp Output: 42138.2 lumens

Max Candela: 11234.6 at Horizontal: 225°, Vertical: 72°

Input Wattage: 240.64

Nema Type: 7 X 7

BUG: B5 U3 G4



ROADWAY SUMMARY

Max Cd, 90° Vertical: 340.1

Max Cd, 80 to <90°: 3259.8

	Lumens	% Lamp
Downward Street Side	25932.8	61.7%
Downward House Side	15919.0	37.8%
Downward Total	41851.8	99.5%
Upward Street Side	110.2	0.3%
Upward House Side	101.5	0.2%
Upward Total	211.8	0.5%
Total Lumens:	42063.6	100%

Max Cd, 90° Vertical: 101.6

Max Cd, 80 to <90°: 1112.8

	Lumens	% Lamp
Downward Street Side	29299.3	70.1%
Downward House Side	12361.0	29.6%
Downward Total	41660.3	99.7%
Upward Street Side	59.8	0.1%
Upward House Side	68.9	0.2%
Upward Total	128.7	0.3%
Total Lumens:	41789.1	100%

Max Cd, 90° Vertical: 55.5

Max Cd, 80 to <90°: 8698.9

	Lumens	% Lamp
Downward Street Side	21359.8	50.7%
Downward House Side	20602.8	48.9%
Downward Total	41962.6	99.6%
Upward Street Side	93.8	0.2%
Upward House Side	81.9	0.2%
Upward Total	175.7	0.4%
Total Lumens:	42138.2	100%

FLOOD SUMMARY

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	97.9%	41185.6	158.8	151.7
Beam (50%)	80.4%	33810.9	139.1	111.2
Total	100%	42044.3		

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	98.5%	41180.3	158.3	143.6
Beam (50%)	82.7%	34573.9	146.1	105.9
Total	99.9%	41757.4		

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	99.1%	41748.5	142.1	162.7
Beam (50%)	90.0%	37943.1	126.7	153.4
Total	99.9%	42099.8		

ILLUMINANCE

Height	Center Beam fc	Beam Width	
17.0 ft	37.0 fc	49.7 ft	91.2 ft
34.0 ft	9.26 fc	99.4 ft	182.5 ft
51.0 ft	4.12 fc	149.1 ft	273.7 ft
68.0 ft	2.32 fc	198.8 ft	365.0 ft
85.0 ft	1.48 fc	248.5 ft	456.2 ft
102.0 ft	1.03 fc	298.1 ft	547.5 ft
		Vert. 111.2°	Horiz. 139.1°

Height	Center Beam fc	Beam Width	
17.0 ft	32.1 fc	45.0 ft	111.7 ft
34.0 ft	8.02 fc	90.0 ft	223.3 ft
51.0 ft	3.56 fc	135.0 ft	335.0 ft
68.0 ft	2.00 fc	180.0 ft	446.7 ft
85.0 ft	1.28 fc	225.0 ft	558.4 ft
102.0 ft	0.89 fc	270.0 ft	670.0 ft
		Vert. 105.9°	Horiz. 146.1°

Height	Center Beam fc	Beam Width	
17.0 ft	14.8 fc	143.7 ft	67.8 ft
34.0 ft	3.71 fc	287.3 ft	135.6 ft
51.0 ft	1.65 fc	431.0 ft	203.4 ft
68.0 ft	0.93 fc	574.6 ft	271.2 ft
85.0 ft	0.59 fc	718.3 ft	339.0 ft
102.0 ft	0.41 fc	861.9 ft	406.8 ft
		Vert. 153.4°	Horiz. 126.7°

PETH-A09-300W-HY-5000K (277V)

Distribution: Nema Type III, Short, Cutoff

Lamp Output: 51924.3 lumens

Max Candela: 17128.4 at Horizontal: 67.5°, Vertical: 58°

Input Wattage: 299.76

Nema Type: 7 X 7

BUG: B5 U3 G4

Distribution: Nema Type IV, Very Short, Non-Cutoff

Lamp Output: 51735.7 lumens

Max Candela: 16236.7 at Horizontal: 0°, Vertical: 49°

Input Wattage: 300.42

Nema Type: 7 X 7

BUG: B4 U3 G5

Distribution: Nema Type V, Very Short, Non-Cutoff

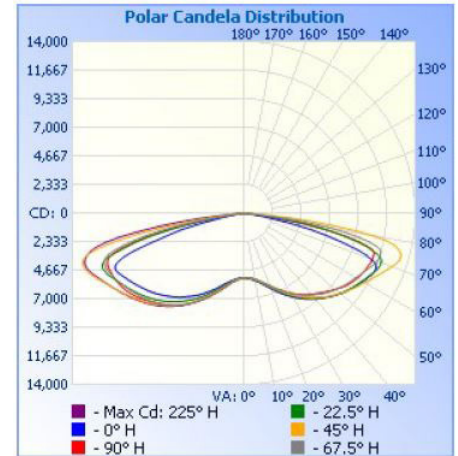
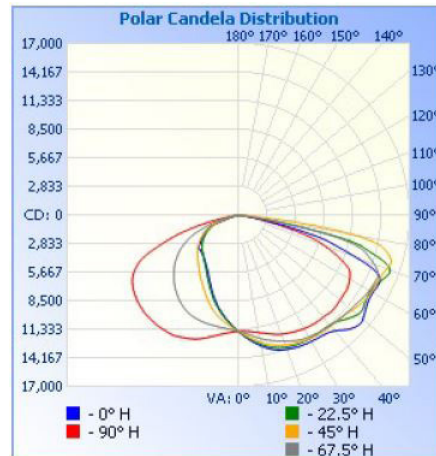
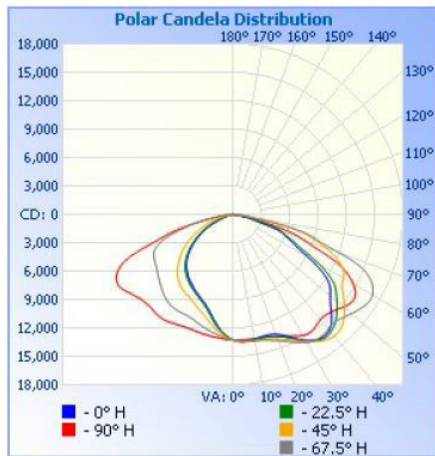
Lamp Output: 52017.6 lumens

Max Candela: 13815.3 at Horizontal: 225°, Vertical: 72°

Input Wattage: 298.53

Nema Type: 7 X 7

BUG: B5 U3 G5



ROADWAY SUMMARY

Max Cd, 90° Vertical: 507.9

Max Cd, 80 to <90°: 4499.6

	Lumens	% Lamp
Downward Street Side	32085.2	61.8%
Downward House Side	19612.6	37.8%
Downward Total	51697.7	99.6%
Upward Street Side	121.3	0.2%
Upward House Side	105.2	0.2%
Upward Total	226.6	0.4%
Total Lumens:	51924.3	100%

Max Cd, 90° Vertical: 59.3

Max Cd, 80 to <90°: 12167.9

	Lumens	% Lamp
Downward Street Side	36040.8	69.7%
Downward House Side	15535.9	30.0%
Downward Total	51576.7	99.7%
Upward Street Side	72.8	0.1%
Upward House Side	86.3	0.2%
Upward Total	159.1	0.3%
Total Lumens:	51735.8	100%

Max Cd, 90° Vertical: 66.9

Max Cd, 80 to <90°: 10761.1

	Lumens	% Lamp
Downward Street Side	26365.5	50.7%
Downward House Side	25456.2	48.9%
Downward Total	51821.7	99.6%
Upward Street Side	106.0	0.2%
Upward House Side	89.9	0.2%
Upward Total	195.9	0.4%
Total Lumens:	52017.6	100%

FLOOD SUMMARY

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	98.0%	50876.1	158.6	148.8
Beam (50%)	80.1%	41581.8	139.1	108.8
Total	100%	51900.8		

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	98.8%	51114.2	150.8	149.4
Beam (50%)	81.6%	42199.9	138.0	93.1
Total	99.9%	51700.4		

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	99.1%	51561.8	142.8	163.1
Beam (50%)	90.1%	46854.3	127.1	153.5
Total	99.9%	51967.9		

ILLUMINANCE

Height	Center Beam fc	Beam Width	
17.0 ft	45.8 fc	47.5 ft	91.2 ft
34.0 ft	11.4 fc	95.0 ft	182.4 ft
51.0 ft	5.09 fc	142.4 ft	273.7 ft
68.0 ft	2.86 fc	189.9 ft	364.9 ft
85.0 ft	1.83 fc	237.4 ft	456.1 ft
102.0 ft	1.27 fc	284.9 ft	547.3 ft
		Vert. 108.8°	Horiz. 139.1°

Height	Center Beam fc	Beam Width	
17.0 ft	39.9 fc	35.9 ft	88.5 ft
34.0 ft	9.98 fc	71.8 ft	177.1 ft
51.0 ft	4.44 fc	107.7 ft	265.6 ft
68.0 ft	2.50 fc	143.6 ft	354.2 ft
85.0 ft	1.60 fc	179.4 ft	442.7 ft
102.0 ft	1.11 fc	215.3 ft	531.3 ft
		Vert. 93.1°	Horiz. 138.0°

Height	Center Beam fc	Beam Width	
17.0 ft	18.3 fc	144.3 ft	68.3 ft
34.0 ft	4.58 fc	288.6 ft	136.6 ft
51.0 ft	2.04 fc	433.0 ft	204.9 ft
68.0 ft	1.15 fc	577.3 ft	273.3 ft
85.0 ft	0.73 fc	721.6 ft	341.6 ft
102.0 ft	0.51 fc	865.9 ft	409.9 ft
		Vert. 153.5°	Horiz. 127.1°

PETH-A08-300W-HY-HV-5000K (480V)

Distribution: Nema Type III, Short, Cutoff

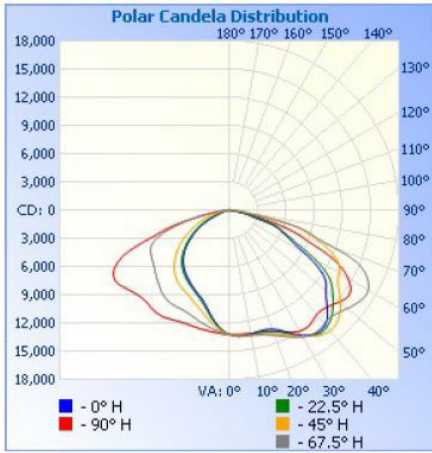
Lamp Output: 51798.7 lumens

Max Candela: 17100.6 at Horizontal: 67.5°, Vertical: 59°

Input Wattage: 297.54

Nema Type: 7 X 7

BUG: B5 U3 G4



Distribution: Nema Type IV, Very Short, Non-Cutoff

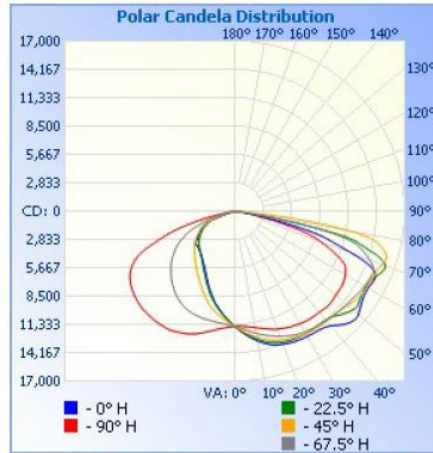
Lamp Output: 51672.5 lumens

Max Candela: 16216.9 at Horizontal: 0°, Vertical: 49°

Input Wattage: 298.93

Nema Type: 7 X 7

BUG: B4 U3 G5



Distribution: Nema Type V, Very Short, Non-Cutoff

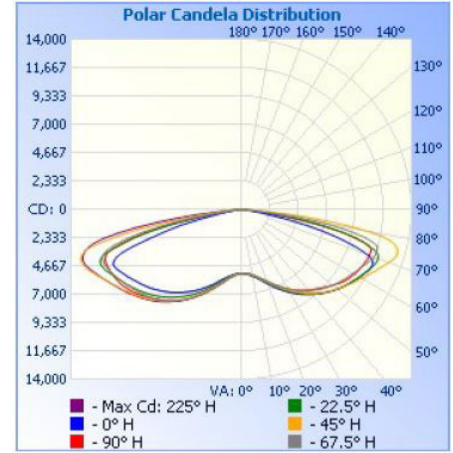
Lamp Output: 52051.2 lumens

Max Candela: 13831.3 at Horizontal: 225°, Vertical: 72°

Input Wattage: 296.95

Nema Type: 7 X 7

BUG: B5 U3 G5



ROADWAY SUMMARY

Max Cd, 90° Vertical: 503.4

Max Cd, 80 to <90°: 4345.8

	Lumens	% Lamp
Downward Street Side	31992.7	61.8%
Downward House Side	19557.9	37.8%
Downward Total	51550.7	99.5%
Upward Street Side	130.2	0.3%
Upward House Side	117.8	0.2%
Upward Total	248.0	0.5%
Total Lumens:	51798.7	100%

Max Cd, 90° Vertical: 59.2

Max Cd, 80 to <90°: 12153.0

	Lumens	% Lamp
Downward Street Side	35996.7	69.7%
Downward House Side	15516.9	30.0%
Downward Total	51513.6	99.7%
Upward Street Side	72.7	0.1%
Upward House Side	86.2	0.2%
Upward Total	158.9	0.3%
Total Lumens:	51672.5	100%

Max Cd, 90° Vertical: 75.4

Max Cd, 80 to <90°: 10691.6

	Lumens	% Lamp
Downward Street Side	26391.5	50.7%
Downward House Side	25472.1	48.9%
Downward Total	51863.6	99.6%
Upward Street Side	104.7	0.2%
Upward House Side	93.0	0.2%
Upward Total	197.7	0.4%
Total Lumens:	52051.2	100%

FLOOD SUMMARY

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	97.9%	50720.6	158.5	148.7
Beam (50%)	80.0%	41454.7	138.9	108.4
Total	100%	51776.3		

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	98.8%	51051.6	150.8	149.4
Beam (50%)	81.6%	42148.3	138.0	93.1
Total	99.9%	51637.1		

	Efficacy	Lumens	Horiz. Spread	Vert. Spread
Field (10%)	99.1%	51591.6	142.2	162.9
Beam (50%)	90.1%	46891.6	126.8	153.5
Total	99.9%	52002.8		

ILLUMINANCE

Height	Center Beam fc	Beam Width	
17.0 ft	45.7 fc	47.2 ft	90.7 ft
34.0 ft	11.4 fc	94.4 ft	181.3 ft
51.0 ft	5.08 fc	141.5 ft	272.0 ft
68.0 ft	2.86 fc	188.7 ft	362.6 ft
85.0 ft	1.83 fc	235.9 ft	453.3 ft
102.0 ft	1.27 fc	283.1 ft	544.0 ft
		Vert. 108.4°	Horiz. 138.9°

Height	Center Beam fc	Beam Width	
17.0 ft	39.9 fc	35.9 ft	88.5 ft
34.0 ft	9.97 fc	71.8 ft	177.1 ft
51.0 ft	4.43 fc	107.7 ft	265.6 ft
68.0 ft	2.49 fc	143.6 ft	354.2 ft
85.0 ft	1.60 fc	179.4 ft	442.7 ft
102.0 ft	1.11 fc	215.3 ft	531.3 ft
		Vert. 93.1°	Horiz. 138.0°

Height	Center Beam fc	Beam Width	
17.0 ft	18.3 fc	144.2 ft	68.0 ft
34.0 ft	4.58 fc	288.2 ft	135.9 ft
51.0 ft	2.03 fc	432.5 ft	203.9 ft
68.0 ft	1.14 fc	576.7 ft	271.9 ft
85.0 ft	0.73 fc	720.9 ft	339.8 ft
102.0 ft	0.51 fc	865.1 ft	407.8 ft
		Vert. 153.5°	Horiz. 126.8°

FLICKER RATING

PETH-A02-100W-HY-XXXXK (277V)

Frequency	MOD (no-effect)	MOD (low-risk)	100% dim	90% dim	75% dim	50% dim	20% dim	10% dim
40 Hz	0.4%	1.0%	0.05%	0.09%	0.14%	0.19%	0.23%	0.29%
90 Hz	3.0%	7.2%	0.08%	0.13%	0.18%	0.23%	0.28%	0.33%
200 Hz	6.7%	16.0%	0.12%	0.16%	0.20%	0.27%	0.32%	0.37%
400 Hz	13.3%	32.0%	0.17%	0.21%	0.26%	0.31%	0.39%	0.42%
1000 Hz	33.3%	80.0%	0.20%	0.25%	0.30%	0.37%	0.43%	0.51%

PETH-A01-100W-HY-HV-XXXXK (480V)

Frequency	MOD (no-effect)	MOD (low-risk)	100% dim	90% dim	75% dim	50% dim	20% dim	10% dim
40 Hz	0.4%	1.0%	0.07%	0.11%	0.15%	0.20%	0.24%	0.27%
90 Hz	3.0%	7.2%	0.10%	0.15%	0.17%	0.22%	0.27%	0.31%
200 Hz	6.7%	16.0%	0.14%	0.19%	0.23%	0.27%	0.33%	0.38%
400 Hz	13.3%	32.0%	0.19%	0.23%	0.26%	0.30%	0.37%	0.40%
1000 Hz	33.3%	80.0%	0.22%	0.24%	0.29%	0.35%	0.41%	0.49%

PETH-A04-150W-HY-XXXXK (277V)

Frequency	MOD (no-effect)	MOD (low-risk)	100% dim	90% dim	75% dim	50% dim	20% dim	10% dim
40 Hz	0.4%	1.0%	0.18%	0.22%	0.29%	0.34%	0.41%	0.57%
90 Hz	3.0%	7.2%	0.21%	0.28%	0.35%	0.46%	0.50%	0.61%
200 Hz	6.7%	16.0%	0.29%	0.35%	0.41%	0.55%	0.61%	0.69%
400 Hz	13.3%	32.0%	0.32%	0.43%	0.49%	0.59%	0.68%	0.76%
1000 Hz	33.3%	80.0%	0.41%	0.56%	0.63%	0.68%	0.76%	0.98%

PETH-A03-150W-HY-HV-XXXXK (480V)

Frequency	MOD (no-effect)	MOD (low-risk)	100% dim	90% dim	75% dim	50% dim	20% dim	10% dim
40 Hz	0.4%	1.0%	0.07%	0.13%	0.19%	0.24%	0.29%	0.34%
90 Hz	3.0%	7.2%	0.13%	0.17%	0.21%	0.28%	0.35%	0.41%
200 Hz	6.7%	16.0%	0.17%	0.22%	0.25%	0.31%	0.42%	0.48%
400 Hz	13.3%	32.0%	0.23%	0.26%	0.29%	0.40%	0.49%	0.55%
1000 Hz	33.3%	80.0%	0.28%	0.34%	0.37%	0.47%	0.53%	0.60%

PETH-A05-200W-HY-XXXXK (277V)

Frequency	MOD (no-effect)	MOD (low-risk)	100% dim	90% dim	75% dim	50% dim	20% dim	10% dim
40 Hz	0.4%	1.0%	0.21%	0.25%	0.32%	0.39%	0.47%	0.62%
90 Hz	3.0%	7.2%	0.26%	0.29%	0.38%	0.45%	0.53%	0.75%
200 Hz	6.7%	16.0%	0.32%	0.37%	0.43%	0.52%	0.66%	0.89%
400 Hz	13.3%	32.0%	0.39%	0.43%	0.51%	0.64%	0.72%	0.96%
1000 Hz	33.3%	80.0%	0.46%	0.52%	0.63%	0.71%	0.86%	1.52%

PETH-A06-240W-HY-HV-XXXXK (480V)

Frequency	MOD (no-effect)	MOD (low-risk)	100% dim	90% dim	75% dim	50% dim	20% dim	10% dim
40 Hz	0.4%	1.0%	0.11%	0.17%	0.25%	0.29%	0.39%	0.47%
90 Hz	3.0%	7.2%	0.16%	0.22%	0.33%	0.36%	0.46%	0.53%
200 Hz	6.7%	16.0%	0.23%	0.27%	0.38%	0.45%	0.55%	0.68%
400 Hz	13.3%	32.0%	0.29%	0.35%	0.44%	0.51%	0.62%	0.74%
1000 Hz	33.3%	80.0%	0.34%	0.41%	0.52%	0.63%	0.74%	1.24%

PETH-A07-240W-HY-XXXXK (277V)

Frequency	MOD (no-effect)	MOD (low-risk)	100% dim	90% dim	75% dim	50% dim	20% dim	10% dim
40 Hz	0.4%	1.0%	0.09%	0.12%	0.16%	0.19%	0.23%	0.28%
90 Hz	3.0%	7.2%	0.11%	0.15%	0.19%	0.24%	0.26%	0.31%
200 Hz	6.7%	16.0%	0.15%	0.18%	0.23%	0.27%	0.34%	0.42%
400 Hz	13.3%	32.0%	0.19%	0.22%	0.25%	0.30%	0.39%	0.57%
1000 Hz	33.3%	80.0%	0.24%	0.27%	0.32%	0.37%	0.43%	1.02%

PETH-A09-300W-HY-XXXXK (277V)

Frequency	MOD (no-effect)	MOD (low-risk)	100% dim	90% dim	75% dim	50% dim	20% dim	10% dim
40 Hz	0.4%	1.0%	0.14%	0.17%	0.21%	0.24%	0.28%	0.36%
90 Hz	3.0%	7.2%	0.19%	0.22%	0.25%	0.29%	0.33%	0.41%
200 Hz	6.7%	16.0%	0.27%	0.31%	0.38%	0.41%	0.45%	0.52%
400 Hz	13.3%	32.0%	0.36%	0.39%	0.42%	0.46%	0.51%	0.62%
1000 Hz	33.3%	80.0%	0.65%	0.70%	0.74%	0.77%	0.82%	1.22%

PETH-A08-300W-HY-HV-XXXXK (480V)

Frequency	MOD (no-effect)	MOD (low-risk)	100% dim	90% dim	75% dim	50% dim	20% dim	10% dim
40 Hz	0.4%	1.0%	0.07%	0.09%	0.10%	0.13%	0.16%	0.21%
90 Hz	3.0%	7.2%	0.12%	0.15%	0.16%	0.17%	0.18%	0.26%
200 Hz	6.7%	16.0%	0.23%	0.24%	0.25%	0.30%	0.35%	0.47%
400 Hz	13.3%	32.0%	0.30%	0.33%	0.35%	0.42%	0.54%	0.61%
1000 Hz	33.3%	80.0%	0.54%	0.59%	0.61%	0.83%	1.02%	1.14%

Reference Standard IEEE 1789: 2015

SURGE PROTECTION

PETH-A02-100W-HY-XXXXK (277V)

Test Items	Surge /kv	Interval time/S	Times	Process phenomenon	Criteria	Result
L-N	±3	60	5	Normal	B	Pass
L-N	±6.6	60	5	Normal	B	Pass
L-PE/N-PE	±5	60	5	Normal	B	Pass
L-PE/N-PE	±10	60	5	Normal	B	Pass

PETH-A01-100W-HY-HV-XXXXK (480V)

Test Items	Surge /kv	Interval time/S	Times	Process phenomenon	Criteria	Result
L-N	±3	60	5	Normal	B	Pass
L-N	±6.6	60	5	Normal	B	Pass
L-PE/N-PE	±6.6	60	5	Normal	B	Pass
L-PE/N-PE	±10	60	5	Normal	B	Pass

PETH-A04-150W-HY-XXXXK (277V)

Test Items	Surge /kv	Interval time/S	Times	Process phenomenon	Criteria	Result
L-N	±3	60	5	Normal	B	Pass
L-N	±6.6	60	5	Normal	B	Pass
L-PE/N-PE	±5	60	5	Normal	B	Pass
L-PE/N-PE	±10	60	5	Normal	B	Pass

PETH-A03-150W-HY-HV-XXXXK (480V)

Test Items	Surge /kv	Interval time/S	Times	Process phenomenon	Criteria	Result
L-N	±3	60	5	Normal	B	Pass
L-N	±6.6	60	5	Normal	B	Pass
L-G	±6.6	60	5	Normal	B	Pass
L-G	±12	60	5	Normal	B	Pass
N-G	±6.6	60	5	Normal	B	Pass
N-G	±12	60	5	Normal	B	Pass

PETH-A05-200W-HY-XXXXK (277V)

Test Items	Surge /kv	Interval time/S	Times	Process phenomenon	Criteria	Result
L-N	±3	60	5	Normal	B	Pass
L-N	±6.6	60	5	Normal	B	Pass
L-PE/N-PE	±5	60	5	Normal	B	Pass
L-PE/N-PE	±10	60	5	Normal	B	Pass

PETH-A06-240W-HY-HV-XXXXK (480V)

Test Items	Surge /kv	Interval time/S	Times	Process phenomenon	Criteria	Result
L-N	±3	60	5	Normal	B	Pass
L-N	±6.6	60	5	Normal	B	Pass
L-PE/N-PE	±5	60	5	Normal	B	Pass
L-PE/N-PE	±10	60	5	Normal	B	Pass

PETH-A09-300W-HY-XXXXK (277V)

Test Items	Surge /kv	Interval time/S	Times	Process phenomenon	Criteria	Result
L-N	±3	60	5	Normal	B	Pass
L-N	±6.6	60	5	Normal	B	Pass
L-PE/N-PE	±5	60	5	Normal	B	Pass
L-PE/N-PE	±10	60	5	Normal	B	Pass

PETH-A08-300W-HY-HV-XXXXK (480V)

Test Items	Surge /kv	Interval time/S	Times	Process phenomenon	Criteria	Result
L-N	±3	60	5	Normal	B	Pass
L-N	±6.6	60	5	Normal	B	Pass
L-PE/N-PE	±5	60	5	Normal	B	Pass
L-PE/N-PE	±10	60	5	Normal	B	Pass

Reference Standard IEC 61000-4-5

- Testing Criteria B: Temporary loss of function or degradation of performance and recover its normal performance without operator intervention.

Smart Sensors & Remotes

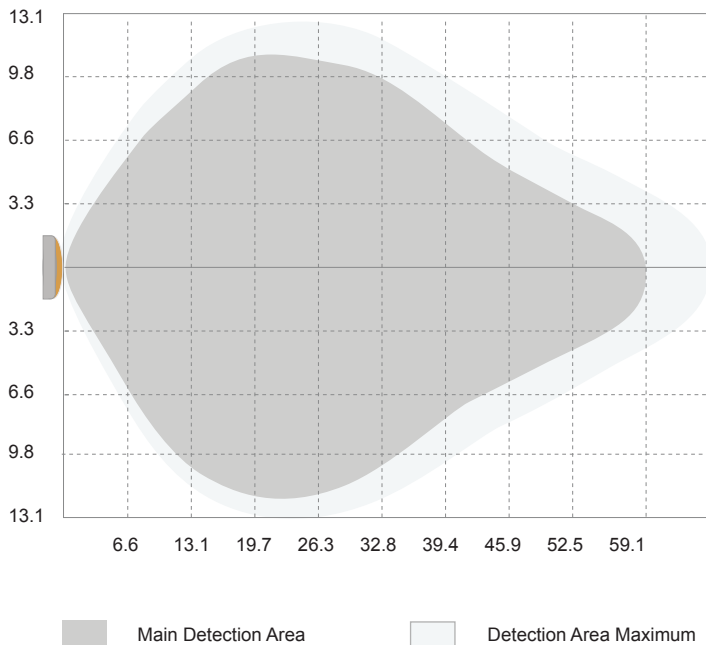
Remote Program Smart Sensor functions to automate and control sensitivity and brightness levels for photocell, daylight, standby dimming, and motion detection.

TECHNICAL DATA

Operating Voltage	10-15VDC
Operating Current	30mA±5%
Output	0-10V
Standby Power	≤0.5W
Detection Area	25%, 50%, 75%, 100%
Hold Time	5 sec, 30 sec, 1 min, 3 min, 5 min, 10 min, 20 min, 30 min
Daylight Threshold	2Lux, 10Lux, 30Lux, 50Lux, 80Lux, 120Lux, Disable
Standby Period	0 sec, 10 sec, 30 sec, 1 min, 5 min, 10 min, 30 min, + ∞
Standby Dimming Level	10%, 20%, 30%, 50%
Microwave Frequency	5.8GHz±75MHz
Microwave Power	<0.3mW
Mounting Height	49.2 FT Max Height
Detection Range	Max, Ø 45.92 FT
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Motion Detection	0.5~1.5 m/s
IP Rating	IP65 Wet Location
Warranty	5 Years

DETECTION RANGE

Detection range shown in feet of ProGem LED Area Light installed at the maximum height of 49.2 FT.



ALPCSG2

Photocell Sensor

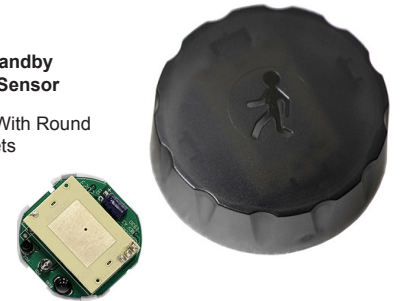
Translucent Black Cap With Round Chipset



ALMSPCSG2

Photocell, Daylight, Standby Dimming, and Motion Sensor

Translucent Black Cap With Round and Rectangular Chipsets



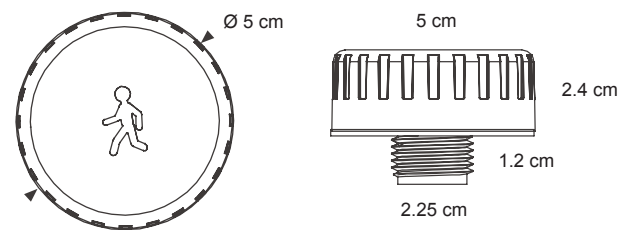
SC

Shorting Cap, No Sensor

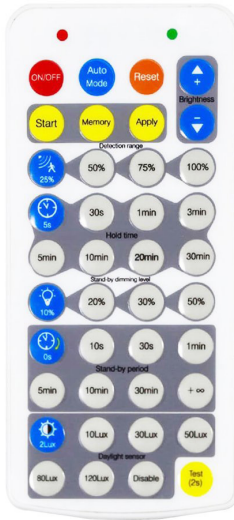
Translucent Black Cap Only With No Chipset



PHYSICAL DIMENSIONS

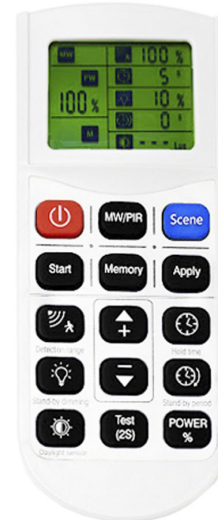


ALRM-HD03R REMOTE



*Uses 2X AAA Batteries, Not Included

ALRM-HD05R REMOTE



*Uses 2X AAA Batteries, Not Included

USER GUIDE

- Press the red ON/OFF button to turn on the luminaire.
- Press the START button:
 - Press button values for: a) Detection Range, b) Hold Time, c) Standby Dimming Level, d) Standby Time, e) Daylight Sensor
 - Press and hold arrow buttons to adjust the luminaire's maximum Brightness Level.
 - * Each selection will flash the red indicator light and momentarily dim the luminaire to communicate the setting.
- Press the MEMORY button to store current settings in the remote.
- Press the APPLY button, the green indicator light will flash and the luminaire will momentarily dim to save its new settings.

TO APPLY STORED SETTINGS TO ADDITIONAL LUMINAIRES:

- Press the ON/OFF power button to turn on the next luminaire.
- Press the APPLY button, the green indicator light will flash and the luminaire will momentarily dim to store the new settings.

NOTES

- Securely twist-on the Smart Sensor Cap and install the luminaire with the lighting system's power OFF. Program settings to the luminaire with the lighting system's power ON.
- Point the Remote towards the Smart Sensor throughout setting program functions. Settings must be applied within 30 seconds of pressing the Start button.

USER GUIDE

- Press the red ON/OFF power button to turn on the luminaire.
- Press the SCENE button.
- Press the START button:
 - Press MW/PIR to select between Microwave or Passive Infrared frequencies
 - Press an Icon button and use Arrow buttons to select a value. Repeat for a) Detection Range, b) Hold Time, c) Standby Dimming Level, d) Standby Time, e) Daylight Sensor
 - Press the Power % and use the Arrow buttons to adjust the luminaire's maximum Brightness Level.
 - * Each selection will momentarily dim the luminaire to communicate the setting.
- Press the MEMORY button to store current settings in the remote.
- Press the APPLY button, the luminaire will momentarily dim to save its new settings.

TO APPLY STORED SETTINGS TO ADDITIONAL LUMINAIRES:

- Press the ON/OFF power button to turn on the next luminaire.
- Press the SCENE button.
- Press the APPLY button, the green indicator light will flash and the luminaire will momentarily dim to store the new settings.

RECALL THE PREVIOUSLY STORED SETTINGS:

- Press the ON/OFF power button to turn on the screen.
- Press the SCENE button, Brightness will show less than 100%.
- Press the APPLY button and the previously saved settings will appear.

NOTES

- Securely twist-on the Smart Sensor Cap and install the luminaire with the lighting system's power OFF. Program settings to the luminaire with the lighting system's power ON.
- Point the Remote towards the Smart Sensor throughout setting program functions. Settings must be applied within 30 seconds of pressing the Start button.