



DMPS Series

Dual/Triple Head Motion Sensor & Photocell
(Dusk-To-Dawn) LED Security Fixture

Project:
QTY:
Email:
Phone:

Overview:

Settle for more with the new generation of outdoor security lighting that defends your home and office using smart sensor lighting.

The **DMPS Series** offers motion sensor and dusk to dawn capabilities matched with dual high-power flood lights. Heavily illuminate your dark parking lots and extend your warehouse loading bay hours. Increase night time safety and promote well-being in your living and work space.

Highlights:

- Fully certified security lighting fixture - ETL Listed suitable for wet locations, LM-80, TM-21, IP65 rated, NEC Compliant. 5 year warranty. 50,000 hour lifetime based on IES calculations.
- Up to 70% more efficient than previous technology ; 180 watt Incandescent equivalent ; 70 watt Metal Halide equivalent
- Refracted lens design difusses light evenly and significantly reduces night time glare
- 180° motion sensor detects up to 70 feet in distance
- 50,000 LED Lifetime Hours based on IES LM-80 results and TM-21 calculations
- Fully aimable 10 watt floodlight heads and motion sensor head allow for full illumination in complex angles
- Wall or eaves mounted with included junction box

LED Chip Info	
Watt Usage:	20 watts/30 watts
Color Temp:	3000K-6000K
CRI:	>70
L70 Lifespan:	100,000 hours
Lumens:	2000 lm/3000 lm
Efficacy:	100 lm per watt
Lifetime:	50,000 hours
Brand:	Osram Chips
Driver Info	
Type:	Class 1 Constant Current
Input Voltage:	120V, 50/60Hz
Power Factor:	90% 1KV Surge Protection
Replaces	
70W Metal Halide Equivalent (HID) 180W Incandescent Equivalent	

Characteristics	
Certifications:	cETL, IP65, LM-80, TM-21, CE, RoHS, NEC Compliant
Motion Sensor:	Detects 180° up to 60 ft
LED CCT:	3000K-6000K is warranted to shift no more than 200K in CCT over a 3 year period. CCT Range follows the AN-SSC of SSL. ANSI C78.377-2017.
Warranty:	5 year limited warranty. For terms visit www.poliled.com/warranty
Construction	
Operating Temp. Range	-40°F to 104°F
Housing	Heavy Duty Die-Cast Aluminum Construction and ABS Polycarbonate Construction
Mounting	Wall or eave mount
Lens	High transmittance polycarbonate
IP rating	IP65 - complete ingress protection against dust and high pressure water spraying
Gaskets	High temperature silicone
Net Weight	1.3228 lbs

Notes:

Recommended Mounting Height: Up to 16 ft.

Application:

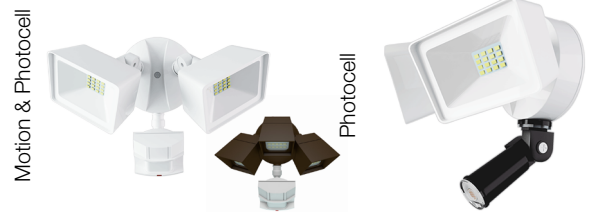
Ideal for entry ways, garages, corners, alley ways, security lighting, and more.

ORDERING

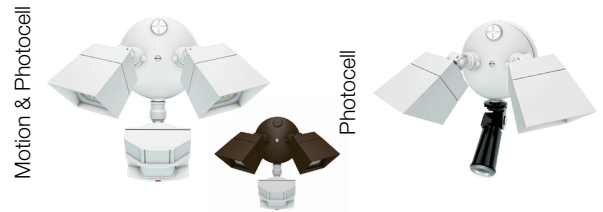
Example Model Number: 1-SL-DMPS-5K-20W-T1-MP-NON-WH

After selecting model number and filling out top right information, send completed PDF to sales@poliledsigns.com or your account manager.

Type 1 Square Head - 20W



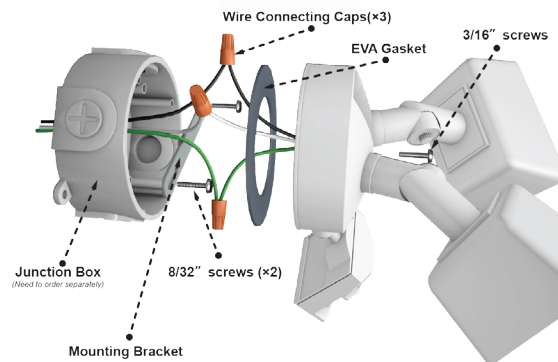
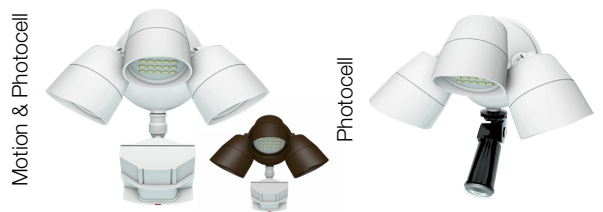
Type 2 Square Head w/ Shade - 20W



Type 3 Round Head - 20W



Type 3 Round Head - 30W



Series	Color Temp.	Watt	Head Type	Sensor	Junction Box	Finish
1-SL-DMPS	3K 3000K	20W 20 Watt	T1 Square	MP Motion Sensor and Photocell (Dusk-To-Dawn)	JB Included Junction Box	WH White BR Bronze
	4K 4000K	30W 30 Watt	T2 Square w/ Shade			
	5K 5000K		T3 Round w/ Shade	P Photocell (Dusk-To-Dawn)	NON No Junction Box	
	6K 6000K					



Lighting Facts Per Bulb

Brightness 2,000 lumens

Estimated Yearly Energy Cost \$2.31
Based on 3 hrs/day, 11¢/kWh
Cost depends on rates and use

Life 47.6 years
Based on 3 hrs/day

Light Appearance
Warm ————— Cool
5000K

Energy Used 20 watts



ETL Listed Product is certified by one of the world's most difficult quality control laboratories indicating superior performance and longevity.



5 Year Warranty We believe in our product quality and offer the warranty to prove it. Unlimited lifetime support is also included, call us anytime.



IP65 Rated Maximum protection against dust and water. Withstands all weather types with silicone sealed gaskets and tight manufacturing tolerances.

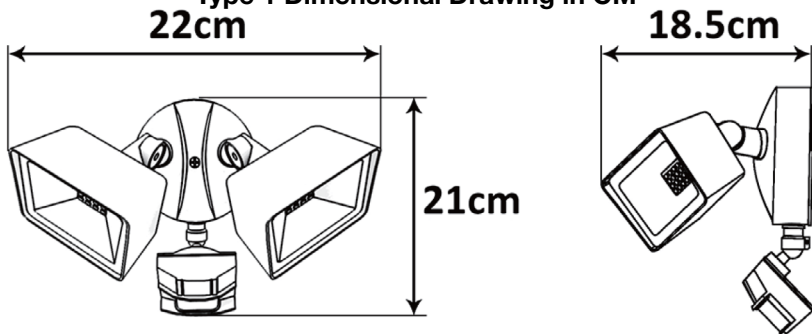


RoHS compliant components. Mercury and UV free. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

Wall Mount Junction Box
5 1/2" Outlets, 4" round junction box, 4 closure plugs. Rugged die cast construction. Reinforced connector outlets. State-of-the-art powder coat finish.



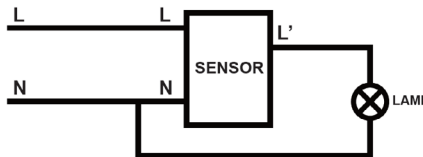
Type 1 Dimensional Drawing in CM



MOTION SENSOR MANUAL



SENSOR WIRING DIAGRAM



N : WHITE
L : BLACK
L' : RED

1. Test Mode

If people pass and trigger the motion sensor signal, the lamp will turn on during both day and night for 5 seconds. Allows testing of sensor.

2. Photocell and Motion Sensor Mode

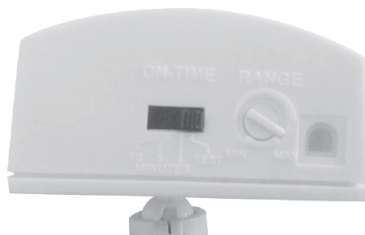
If people pass and trigger signal, the lamp will only turn on at night when the ambient brightness is less than 5LUX and turn off in daytime. Turning the black switch to position 1 min, 5 min, or 10 min will tell the light to stay on for that amount of time when triggered by motion.

3. Photocell Mode (Dusk-To-Dawn, no motion)

The lamp will keep turning on for 8 hours in night and light off in daytime. It will automatically switch to Induction Mode when the ambient brightness is more than 150LUX in daytime.

Mode Selection

1. Test Mode
2. Photocell and Motion Mode
3. Photocell Mode (Dusk-To-Dawn)



Sensor Specifications	
Input Voltage:	AC110-130V
Power Frequency	50/60Hz
Rated Load	MAX.500W resistive load MAX.200W Inductive load
Detection Range	150°
Detection Distance	MAX18m (adjustable)
Time-delay Setting	5sec, 1min, 5min, 10min
Detection Moving Speed	0.6-1.5m/s
Working Temperature	-10°C ~ +40°C
Installation Height	1-4m

Sensor Instructions

1. Connect wires according to the sensor wiring diagram
2. Turn on power, keep the induction device lit up for 30-40 seconds and the indicator lamp will blink to notify you it is on.
3. Working Mode: When power is on, the infrared motion sensor will enter into the corresponding mode based on switch position. The detection distance can be adjusted by the RANGE switch, max is 18 meters. Change the time delay after detecting a signal from 1 min to 10 min using the black switch.

Switching to Photocell Mode: Turn the main switch of the light on and off 3 times with 1-3 second delays between each on/off. This will allow you to enter photocell mode.

Switching back to Photocell and Motion Sensor Mode:

- a. Turn off the lamp after it has been on for 8 hours.
- b. Turn off the lamp when it is dawn (morning before sunrise).
- c. Turn off the power, wait one minute, turn back on.

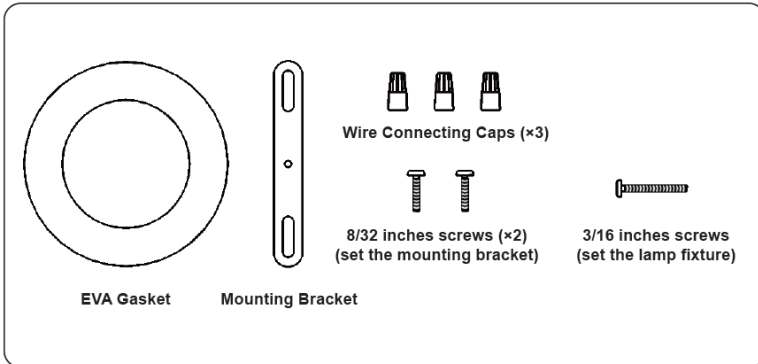
IMPORTANT

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

Fixtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

WARNING: Make certain power is OFF before installing or maintaining fixture. No user serviceable parts inside

Included Accessories



IMPORTANT

Do not attempt to service the LED driver for reduce the risk of electric shock. The use of accessory equipment may cause an unsafe condition. Do not use this product for other than intended use. Refer any servicing indicated by these checks to a Qualified Service Personnel.

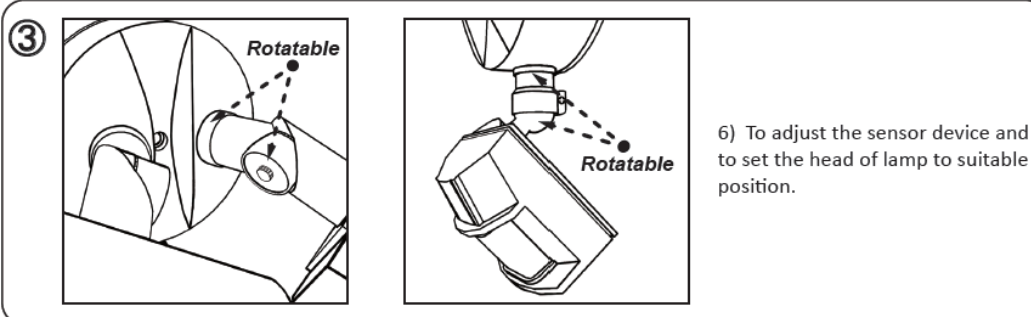
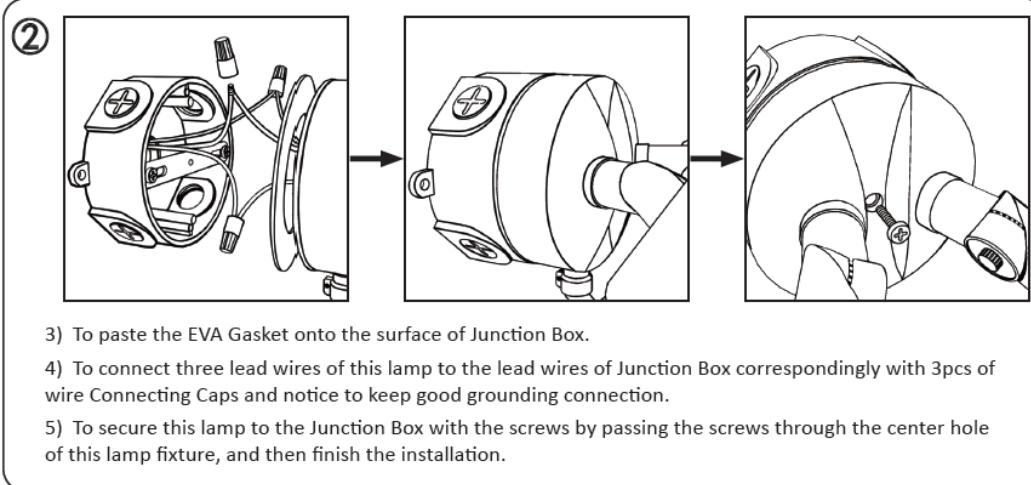
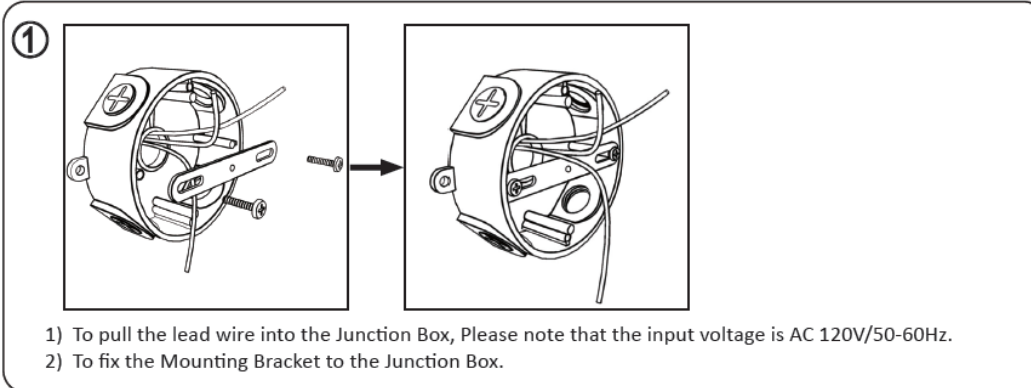
TROUBLESHOOTING

1. Check that the line voltage at fixture is correct. Refer to wiring directions.
2. Be sure the fixture is grounded properly.

CLEANING

CAUTION: Be sure fixture temperature is cool enough to touch. Do not clean or maintain while fixture is energized.

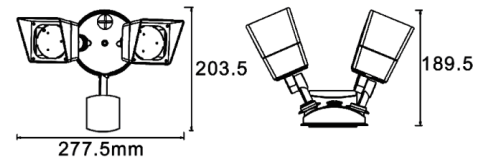
1. Lens should be washed in a solution of warm water and any mild, non abrasive household detergent, rinsed with clean water and wiped dry. Do not use chemicals to clean fixture.
2. Do not open fixture to clean the LED. Do not touch the LED.



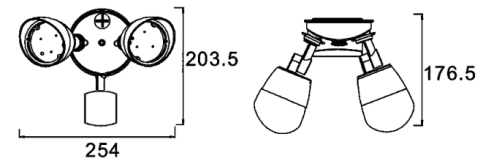
Note: These instructions do not cover all details or variations in equipment nor do they provide for everypossible situation during installation, operation or maintenance.

Dimensions in MM

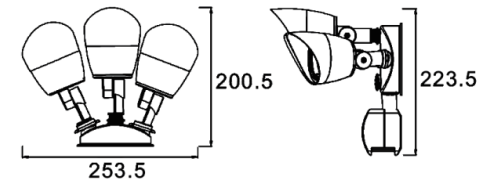
Type 2



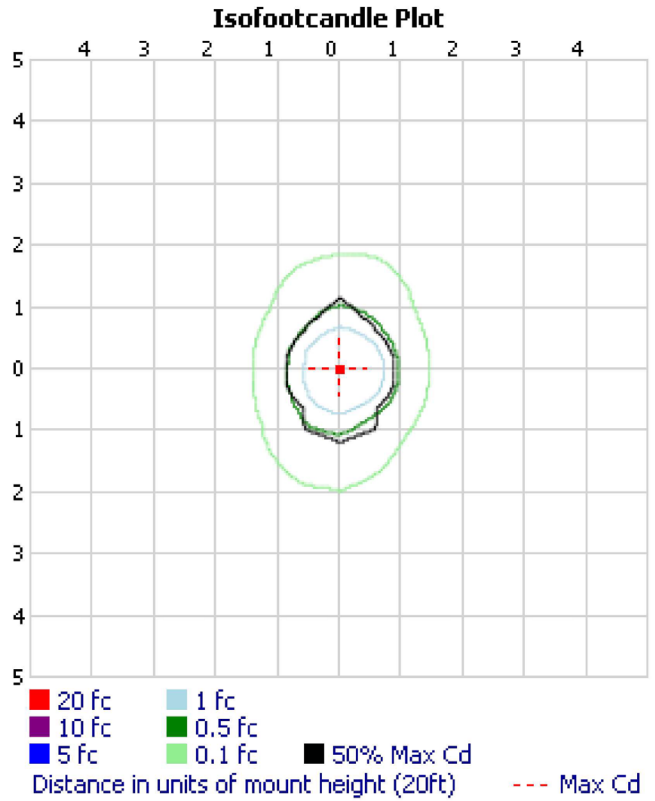
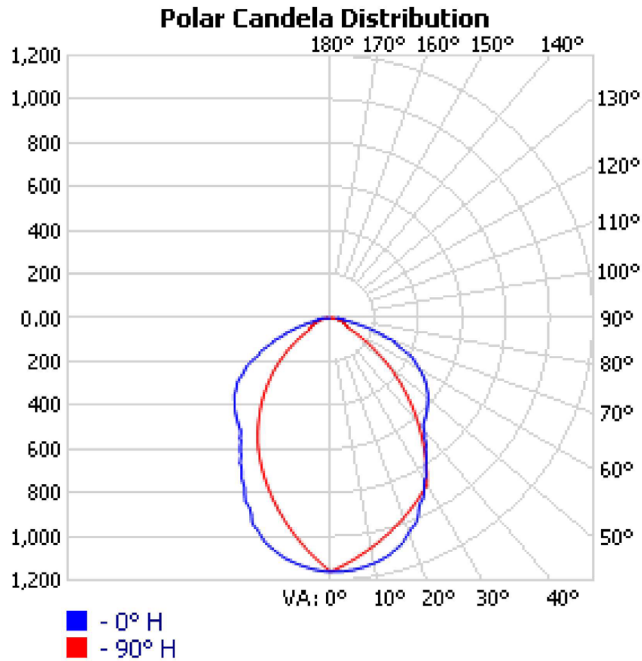
Type3 Dual-Head 20W



Type3 Tri-Head 30W



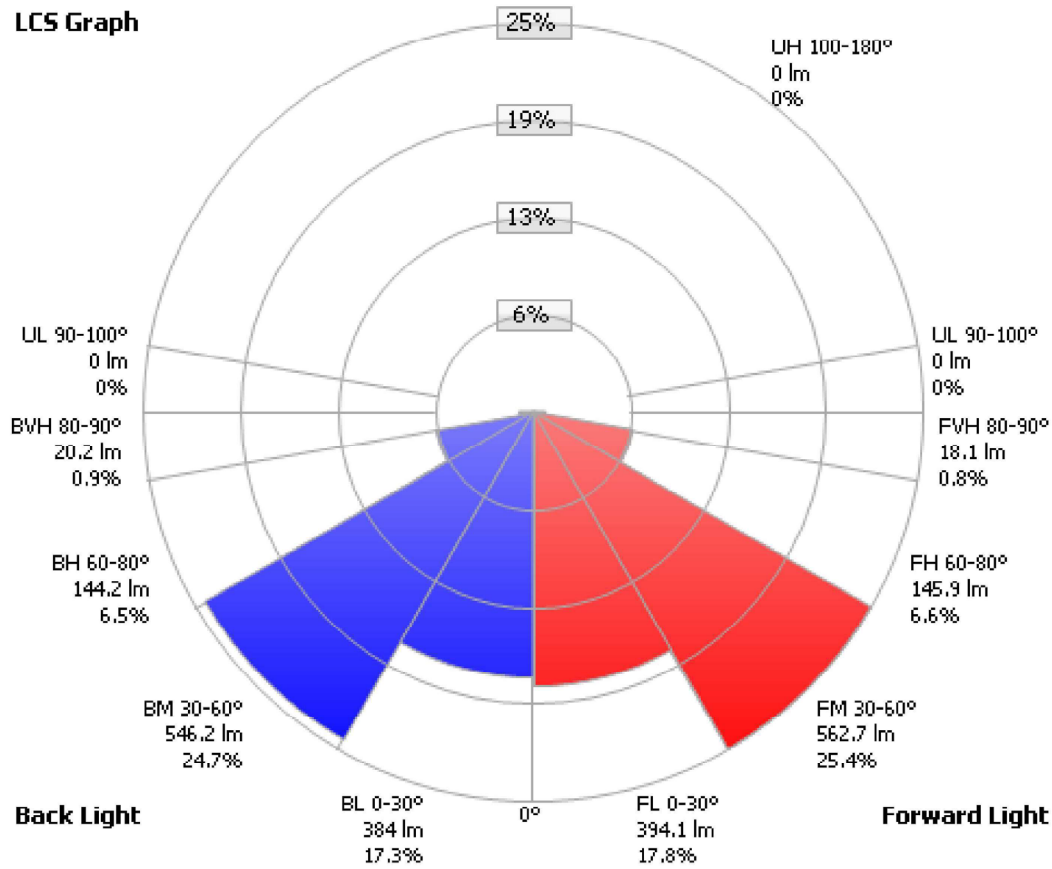
20W PHOTOMETRICS



CANDELA TABLE - TYPE C

	0	30	60	90	120	150	180	210	240	270	300	330	360
0	1161	1161	1161	1161	1161	1161	1161	1161	1161	1161	1161	1161	1161
5	1158	1135	1120	1114	1116	1127	1148	1107	1083	1078	1089	1117	1158
10	1140	1097	1076	1067	1067	1083	1123	1044	996	996	1015	1064	1140
15	1106	1049	1026	1021	1015	1025	1081	981	909	913	937	999	1106
20	1045	980	973	974	957	952	1017	904	830	830	857	930	1045
25	956	887	915	927	897	857	924	793	758	748	770	857	956
30	857	774	850	880	821	755	811	697	688	665	686	766	857
35	758	659	756	749	737	662	719	598	605	574	612	687	758
40	661	555	624	618	605	604	650	528	494	482	534	641	661
45	619	475	490	487	486	561	615	492	393	390	451	604	619
50	580	419	364	356	371	524	575	470	309	299	361	563	580
55	533	346	250	225	267	452	520	402	232	207	271	481	533
60	469	273	143	94	169	373	445	321	156	115	182	396	469
65	399	198	70	79	100	294	337	234	99	98	115	307	399
70	308	121	56	63	82	212	221	153	82	80	95	216	308
75	176	58	42	47	65	138	134	87	63	63	75	133	176
80	75	42	28	32	46	98	68	62	45	45	56	95	75
85	46	26	14	16	28	61	46	42	27	27	36	59	46
90	28	10	0	0	9	27	5	22	9	10	15	24	28

LCS Graph



Back Light

Forward Light

Scale = Max LCS %

Trapped Light: 0lm, 0%

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	777.9	35.1%	35.1%
0-40	1,197.1	54%	54%
0-60	1,887.0	85.2%	85.2%
60-90	328.4	14.8%	14.8%
0-90	2,215.4	100%	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL
0-10	104.7	4.7%
10-20	281.7	12.7%
20-30	391.5	17.7%
30-40	419.2	18.9%
40-50	384.7	17.4%
50-60	305.2	13.8%
60-70	191.0	8.6%
70-80	99.0	4.5%
80-90	38.4	1.7%

ROADWAY SUMMARY

CUTOFF CLASSIFICATION: CUTOFF

DISTRIBUTION: TYPE II, VERY SHORT

MAX CD, 90 DEG VERT: 31.1

MAX CD, 80 TO <90 DEG: 98.0

	LUMENS	% LAMP
DOWNWARD STREET SIDE:	1,120.9	50.6%
DOWNWARD HOUSE SIDE:	1,094.6	49.4%
DOWNWARD TOTAL:	2,215.5	100%
TOTAL LUMENS:	2,215.5	100%

LCS TABLE

BUG RATING	B1 - UX - G1	
FORWARD LIGHT	LUMENS	LUMENS %
LOW(0-30):	394.1	17.8%
MEDIUM(30-60):	562.7	25.4%
HIGH(60-80):	145.9	6.6%
VERY HIGH(80-90):	18.1	0.8%
BACK LIGHT		
LOW(0-30):	384.0	17.3%
MEDIUM(30-60):	546.2	24.7%
HIGH(60-80):	144.2	6.5%
VERY HIGH(80-90):	20.2	0.9%
TRAPPED LIGHT:	0.000	0%