

AG ALL GREEN LIGHTING, INC.

NEPTUNE Series



FEATURES

Application:	Government & Municipal, Roadway, Parking Lot and High Way, etc
Source:	Driver: Meanwell HLG (IP 67) / LED: CREE Light Engine IP 66
Warranty:	5 years
Long life:	50,000+ hours / 12 hrs per day for ~10 years
Power Factor:	> 0.9
Housing:	Die cast aluminum housing with integral heat sinkfins to optimize thermal management through conductive and convective cooling, toolless entry.
Surge Protection:	Integral 10kV/10kA surge suppression protection tested in accordance with UL1449 IEEE/ANSI Category C
Lab Tested:	National listing lab test in accordance with IES Standards
Solid-State:	High-Shock and High-Vibration Resistant
Instant-On:	Instant-On and Instant Re-strike

SPECIFICATIONS

Fixture Model	EPA	MH Replacement	Dimensions (inch)	Weight (lbs)	Certs	Temperature(°F)	CRI	IP Rating
NEPTUNE-25W	0.54 ft ²	50W	18 x 10 x 4	6.6	UL / DLC			
NEPTUNE-40W	0.54 ft ²	100W	18 x 10 x 4	6.6	UL / DLC			
NEPTUNE-65W	0.54 ft ²	160W	18x 10 x 4	6.6	UL / DLC			
NEPTUNE-80W	0.54 ft ²	200W	18x 10 x 4	6.6	UL / DLC			
NEPTUNE-100W	0.54 ft ²	250W	18x 10 x 4	6.6	UL / DLC	-40°F ~ +122°F	> 0.7	IP 65
NEPTUNE-120W	0.86 ft ²	300W	22.5 x 13 x5.3	14.3	UL / DLC			
NEPTUNE-150W	0.86 ft ²	350W	22.5 x 13 x5.3	14.3	UL / DLC			
NEPTUNE-180W	0.86 ft ²	450W	22.5 x 13 x5.3	14.3	UL / DLC			
NEPTUNE-240W	0.86 ft ²	600W	22.5 x 13 x5.3	14.3	UL / DLC			

LUMEN MAINTENANCE FACTOR

Data references the extrapolated performance projection for the platforms noted in 77F ambient temperature, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below:

Operating Hours	0	25,000	50,000	75,000	100,000
NEPTUNE-25W	1	0.92	0.85	0.8	0.75
NEPTUNE-100W	1	0.91	0.85	0.79	0.73
NEPTUNE-150W	1	0.92	0.85	0.8	0.75
NEPTUNE-240W	1	0.91	0.85	0.79	0.73

TOTAL LUMENS (LM)

	Type II		Type III		Type V	
	40K	57K	40K	57K	40K	57K
NEPTUNE-25W	2,825	3201	2,866	3,225	2,823	2,906
NEPTUNE-40W	4,853	5260	4,706	4,706	4,745	4,932
NEPTUNE-65W	7,401	7622	6,889	6,889	6,684	6,962
NEPTUNE-80W	9,275	10161	9,407	9,407	8,951	9,312
NEPTUNE-100W	11,636	11564	10,813	10,813	10,075	10,788
NEPTUNE-120W	13169	13,779	13,250	13,250	13,748	14,182
NEPTUNE-150W	16,987	18446	17,439	17,439	17,148	18,494
NEPTUNE-180W	18,543	19801	17,990	17,990	18,493	19,947
NEPTUNE-240W	24,376	26375	24,838	24,838	24,473	26,806

ISO-FOOTCANDLE CHART

	NEPTUNE-100W	NEPTUNE-150W	NEPTUNE-240W																																																																							
<p>illuminance at a Distance</p> <p>Center Beam LUX</p> <table border="1"> <tr><td>2m</td><td>453.42 LUX</td><td>1.0m</td><td>3.1m</td></tr> <tr><td>4m</td><td>113.35 LUX</td><td>1.9m</td><td>6.1m</td></tr> <tr><td>6m</td><td>50.38 LUX</td><td>2.9m</td><td>9.2m</td></tr> <tr><td>8m</td><td>28.34 LUX</td><td>3.9m</td><td>12.3m</td></tr> <tr><td>10m</td><td>18.14 LUX</td><td>4.8m</td><td>15.3m</td></tr> <tr><td>12m</td><td>12.59 LUX</td><td>5.8m</td><td>18.4m</td></tr> </table> <p>Vert. Spread 27.1 Horiz. Spread 74.9</p>	2m	453.42 LUX	1.0m	3.1m	4m	113.35 LUX	1.9m	6.1m	6m	50.38 LUX	2.9m	9.2m	8m	28.34 LUX	3.9m	12.3m	10m	18.14 LUX	4.8m	15.3m	12m	12.59 LUX	5.8m	18.4m	<p>illuminance at a Distance</p> <p>Center Beam LUX</p> <table border="1"> <tr><td>2m</td><td>713.45 LUX</td><td>0.9m</td><td>3.5m</td></tr> <tr><td>4m</td><td>178.36 LUX</td><td>1.9m</td><td>7.0m</td></tr> <tr><td>6m</td><td>79.27 LUX</td><td>2.8m</td><td>10.4m</td></tr> <tr><td>8m</td><td>44.59 LUX</td><td>3.7m</td><td>13.9m</td></tr> <tr><td>10m</td><td>28.54 LUX</td><td>4.7m</td><td>17.4m</td></tr> <tr><td>12m</td><td>19.82 LUX</td><td>5.6m</td><td>20.9m</td></tr> </table> <p>Vert. Spread 26.3 Horiz. Spread 82.0</p>	2m	713.45 LUX	0.9m	3.5m	4m	178.36 LUX	1.9m	7.0m	6m	79.27 LUX	2.8m	10.4m	8m	44.59 LUX	3.7m	13.9m	10m	28.54 LUX	4.7m	17.4m	12m	19.82 LUX	5.6m	20.9m	<p>illuminance at a Distance</p> <p>Center Beam LUX</p> <table border="1"> <tr><td>2m</td><td>1115.16 LUX</td><td>1.0m</td><td>3.3m</td></tr> <tr><td>4m</td><td>278.79 LUX</td><td>1.9m</td><td>6.5m</td></tr> <tr><td>6m</td><td>123.91 LUX</td><td>2.9m</td><td>9.8m</td></tr> <tr><td>8m</td><td>69.70 LUX</td><td>3.9m</td><td>13.1m</td></tr> <tr><td>10m</td><td>44.61 LUX</td><td>4.9m</td><td>16.3m</td></tr> <tr><td>12m</td><td>30.98 LUX</td><td>5.8m</td><td>19.6m</td></tr> </table> <p>Vert. Spread 27.3 Horiz. Spread 78.6</p>	2m	1115.16 LUX	1.0m	3.3m	4m	278.79 LUX	1.9m	6.5m	6m	123.91 LUX	2.9m	9.8m	8m	69.70 LUX	3.9m	13.1m	10m	44.61 LUX	4.9m	16.3m	12m	30.98 LUX	5.8m	19.6m
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ORDERING INFORMATION

Model	Wattage	Input Voltage	Fixture Color	CCT	PC	Dimming	Motion Sensor	Beam Angle
NEPTUNE	25W	100-277V	GR	50K	7PC - SC	DM	MS	T5
	25W	100-277V			3PC: 3-Pin Photocell	DM:	MS: Motion	Type II
	40W	100-277V with photo electric switch	GR: Grey (RAL: 7038)	30K: 27K~33K	5PC: 5-Pin Photocell	Dimmable	Sensor	Type III
	65W				7PC: 7-Pin Photocell	ND: None	NM: None	Type V
	80W	347-480V	BL: Black (RAL:9017)	40K: 37K~43K	SC: Shorting Cap			
	100W							
	120W		BR: Bronze (RAL:8028)	50K: 47K~53K				
	150W							
	180W		Custom Colors Available	60K 57K~63K				
	240W							