NLS LIGHTING

NEWPORT

ARCHITECTURAL LIGHTING

LED WATTAGE CHART

Drive Current	Star Power Low Glare Optics			Silicone Micro Optics			
	16L	32L	48L	16L	32L	48L	64L
350 milliamps	-	33W	51W	-	-	-	68W
400 milliamps	21W	-	-	21W	-	-	-
530 milliamps	28W	54W	-	28W	-	-	103W
700 milliamps	36W	71W	-	36W	71W	102W	137W
1050 milliamps	52W	-	-	56W	106W	154W	206W

The Newport LED is a beautiful series of uplifting luminaires designed to make people feel comfortable in any retail, urban, park, or pathway setting. The patent pending Star Power LED optical system improves light efficiently offering up to 70 percent energy savings over traditional light sources, directing the light downward with the elimination of direct up light. The Newport with Star Power Optics comes standard with an opal lens, but no lens when configured with the Silicone Micro Optics.

Available in a range of warm to cool colors. The Newport LED is available in Amber, 2700K, 3000K, 3500K, 4000K or 5000K Kelvin. The Newport utilizes the highest lumen per watt LEDs available. The Newport Series is available from 21 to 206 watts.

BUY AMERICAN

To ensure the latest BAA/TAA/BABA Standards are being met, please select BAA, TAA, or BABA in the options section. Please contact the factory before placing an order for any NLS products requesting BAA (Buy American Act), TAA (Trade American Act), or BABA (Build America, Buy America).

MICROPTICS

PROUDLY MADE IN THE USA

STAR POWER OPTICAL SYSTEM

STAR POWER™ OPTICAL SYSTEM

The Star Power™ reflector is an excellent system which provides great value and performance. Star Power Patent number: 10168023

Project Name:	Type:

NEWPORT ORDERING GUIDE

Cat#	Shade	# of Bars	Light Dist.	# of LEDs	Drive Current	Color Temp./CRI	Volts
Newport 1 **(NWP-1)**	Shade 1 **(S1)** Shade 2 **(S2)** Shade 3 **(S3)**	2 Bar Mounting **(2B)** 4 Bar Mounting **(4B)**	**Low Glare - Star Power Optics** Type 3 Low Glare **(T3-LG)** [13] Type 5 Low Glare **(T5-LG)** [13]	**Standard Configurations** 16 LED **(16L)** 32 LED **(32L)** 48 LED **(48L)**	350mA **(35)** 400mA **(40)** [13] 530mA **(53)** 700mA **(7)**	Standard Turtle Friendly Amber LED 595nm Dominant Wavelength **(AMBER)** [1,5,6,12,14,18] Amber LED Phosphor Converted **(AMBER/PC)** [1,6,12,14,18] 2700K, 70 CRI **(27K7)** [2] 2700K, 80 CRI **(27K8)** [2] 3000K, 70 CRI **(30K7)** [2] 3000K, 80 CRI **(30K8)** [2] 3500K, 80 CRI **(35K8)** [2] 4000K, 70 CRI **(40K7)** [2] 4000K, 80 CRI **(40K8)** [2] 5000K, 70 CRI **(50K7)** [2] 5000K, 80 CRI **(50K8)** [2]	120V - 277V **(UNV)** 347V - 480V **(HV)**
	Shade 1 **(S1)**	2 Bar Mounting **(2B)**	**Standard Silicone Micro Optics** Type 2 **(T2)**[15] Type 3 **(T3)** [15]	**Standard Configurations** 16 LED **(16L)** 32 LED **(32L)** 48 LED **(48L)** 64 LED **(64L)**	400mA **(40)** 530mA **(53)** 700mA **(7)** 1050mA **(1)**		
			Performance Silicone Micro Optics Type 4 Forward Throw Wide (For perimeters) **(T4FTW)** [15] Type 5 Wide (For Improved uniformity & Wider Pole Spacing) **(T5W)** [15]	**Standard Configurations** 16 LED **(16L)** 32 LED **(32L)** 48 LED **(48L)** 64 LED **(64L)**	400mA **(40)** 530mA **(53)** 700mA **(7)** 1050mA **(1)** [6]		
				Performance Plus Configurations 64 LED **(64L)**	350mA **(35)** 530mA **(53)**		

Performance Silicone Micro Optics are available in all chip counts and drive currents as our Standard Silicone Micro Optics. For optimum results use our Performance Plus Configurations, which use our New Performance Silicone Optics with maximum chip counts, while being powered at Lower Drive Currents. This approach provides the perfect combination of performance and efficacy.

Mounting	Color	Controls	Options	Lens Options
Post Top (slips over 3" O.D.) **(PT3)**	Bronze Textured **(BRZ)** White Textured **(WHT)** Smooth White Gloss **(SWT)** Silver Metallic **(SVR)** Black Textured **(BLK)** Smooth Black Gloss **(SBK)** Graphite Textured **(GPH)** Grey Textured **(GRY)** Green Textured **(GRN)** Hunter Green Textured **(HGN)** Custom **(CS)**	**FSP-211** **w/Motion Sensor/Photocell** **(120/277VAC,230-240VAC)** 8' Height **(FSP211-8)** [9] 9'-20' Heights **(FSP211-20)** [9] 21'-40' Heights **(FSP211-40)** [9] **FSP-221** **w/Motion Sensor/Photocell** **(100/347VAC,208/230/480VAC)** 8' Height **(FSP-HV-8)** [10] 9'-20' Heights **(FSP-HV-20)** [10] 21'-40' Heights **(FSP-HV-40)**[10] Photocell Receptacle **(PCR)** [17] NEMA 7-Pin Receptacle **(PE7)** [17] Receptacle + Shorting Cap **(PER)** [17] Custom Controls Integration **(CCI)** Button Type Photocell **(PC)** [4] FSP Remote **(FSIR)** [11]	Bird Spikes **(BS)** Decorative Band **(DB)** [14] House Side Shield **(HSS)** [15] Marine Grade Finish **(MCF)** Buy American Act **(BAA)** [3] Trade Agreement Act **(TAA)** [3] Build America, Buy American **(BABA)** [3]	Clear Cylindrical Lens **(CL)** [13] OPAL Lens Standard **(OPAL)** [13] No Lens **(NL)** [14]

PRODUCT SPECIFICATIONS

NOTES:

1. Consult Factory for Lead Time.
2. Consult Factory for 90 CRI Requests.
3. Consult factory for all BAA/TAA/BABA requests.
4. Universal Voltage 120V-277V.
5. Turtle Safe.
6. Not available above 530mA.
7. HAL Lens: Yellow Polycarbonate Lens — less than 2% Blue Light Content
8. Please contact Factory for Custom Control Integration requests (nLight, NX, WaveLinx, Crestron,DMX, RDM, Synapse, Casambi, Dali II, Avi-On, or other control systems).
9. FSP-211, 120V/277VAC (800W/1200W Max), 230-240VAC (300W Max), 50/60Hz Single Phase. Field/Site line voltage must be disclosed for project validation.
10. FSP-221, 100-347VAC 50/60Hz Single Phase, 208/230/480VAC 50/60Hz Phase-to-Phase. 120VAC (800W Max), 230-240VAC (300W Max), 277/347/480VAC (1200W Max). Field/Site line voltage must be disclosed for project validation.Project with sensors require Qty. 1 FSIR per project.
11. See estimated scaling chart for multiplier values to estimate lumen output Please contact Factory to verify the estimated performance data.
12. 16L only.
13. Star Powered Optics with Cylindrical Lens Required.
14. Silicone Micro Optics Required.
15. 350mA Max.
16. 7 -Pin Receptacle placement located at the top of the shade.
17. Only available with Micro Optics

ELECTRICAL

- 120-277 Volts (UNV) or 347-480 Volts (HV)
- 0-10V dimming driver
- Driver power factor at maximum load is ≥ .95, THD maximum load is 15%
- LED Drivers Ambient Temp. Min is -40°C and Ambient Temp. Max ranges from 50°C to 55°C and, in some cases, even higher. Consult the factory for revalidation by providing the fixture catalog string before quoting and specifying it.
- All internal wiring UL certified for 600 VAC and 105°C
- CRI 70, 80 or 90
- Color temperatures: Amber, 2700K, 3000K, 3500K, 4000K, 5000K
- Surge Protection: 20KA supplied as standard.

CONSTRUCTION

- Cast Aluminum

OPTIONS

- MARINE GRADE FINISH (MGF) - A multi-step process creating protective finishing coat against harsh environments. Chemically washed in a 5 stage cleaning system. Pre-baked, Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer. Oven Baked. Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.
- Decorative Band - a decorative metal band that wraps around the lens.
- Clear Lens - Clear acrylic lens to primarily be used with the decorative band option.

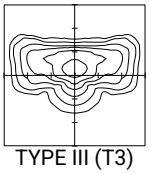
CONTROL OPTIONS

- PHOTOCELL - Button type photocell.
- Controls Agnostic: Please contact factory for your preferred controls option. (nLight, NX, WaveLinx, Crestron, DMX/RDM, Synapse, Casambi, DALI II, Avi-On, or other control systems)

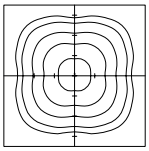
OPTICS

Star Power Optical System is 95% reflective material. Utilizes a linear diffused pattern, softening the light distribution and eliminating any dark shadows or striations.

- IES Types

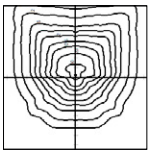


TYPE III (T3)

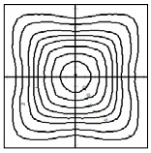


TYPE V (T5)

- Silicone optics high thermal stability and light output provide higher powered LEDs with minimized lumen depreciation. UV stability with scratch resistance increases exterior application durability. Silicone optics do not yellow, crack or brittle over time.
- IES Types



TYPE IV FORWARD THROW WIDE (T4FTW)



TYPE V WIDE (T5W)

FINISH

- 3-5 mils electrostatic powder coat.
- NLS Light's standard high-quality finishes prevent corrosion protects against and extreme environmental conditions
- 10 Standard Finishes, Custom Finish and Marine Grade Finish Available

WARRANTY

Five-year limited warranty for drivers and LEDs.

LISTINGS

- UL Listed in compliance with UL 1598, the Standard for Safety of Luminaires, including the applicable wet location requirements
- Compliant with UL 8750 LED driver design and test safety standards
- CSA C22.2 No. 250.0

BUY AMERICAN OPTION

While all of the NLS Lighting products listed in this document qualify for the Buy America(n) Act of 1933, we reserve the right to change our listings without notice.

The information provided above is for general informational purposes only. We encourage you to consult legal professionals for advice particular to your projects concerning BAA, TAA, BABA or Buy America.

Additional NLS Products that meet BAA, TAA standards can be found at the following link:

https://nlslighting.com/buy-american/

The information and specifications on this document are subject to change without any notification. All values are design, nominal, typical or prorated values when measured under internal and external laboratory conditions.

Performance Plus Solution

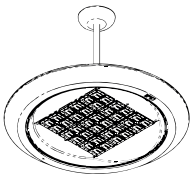
What is "Performance Plus"?

Light Pattern Optimization + Lumen Maintenance Longevity + High Efficacy + Visual Comfort

Performance Plus solutions combine Performance Silicone Micro Optics with maximum LED count at lower drive currents. This strategy enhances luminaire efficiency, visual comfort, and the reduced maintenance costs already associated with NLS's Performance Silicone Micro Optics. It can also deliver an additional 20% in savings for both new construction and retrofit projects.

T4FTW **T5W**

+



= *Performance Plus*

Performance Series Silicone Micro Optics ***Maximum LED Count at Lower Drive Current***

Do More With Less

New Construction:

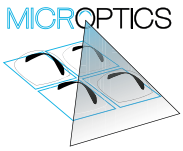
Saves tens-to-hundreds of thousands of dollars in upfront project cost

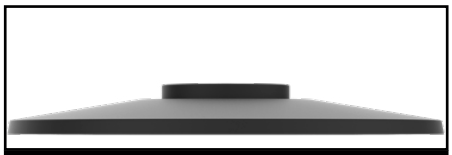
Performance Silicone Micro Optics save end users thousands in material and installation costs by reducing the fixtures by an average of 15%. Efficient and precise Performance Silicone Micro Optics materially improve fixture spacing without sacrificing light levels.

Retrofit:

Saves tens-to-hundreds of thousands of dollars in project life cycle energy

Performance Silicone Micro Optics provide substantial energy savings, while markedly outperforming industry benchmarks for light output depreciation and illumination quality.





SHADE 1

SHADE 2

SHADE 3

2 BAR DESIGN WITH STAR POWER OPTICS

NWP - 1 - S1 - 2B
Opal Lens (Standard Lens)

NWP - 1 - S2 - 2B
Opal Lens (Standard Lens)

NWP - 1 - S3 - 2B
Opal Lens (Standard Lens)

NWP - 1 - S1 - 2B - CL
Clear Lens

NWP - 1 - S2 - 2B - CL
Clear Lens

NWP - 1 - S3 - 2B - CL
Clear Lens

NWP - 1 - S1 - 2B - DB
Decorative Band with Opal Lens

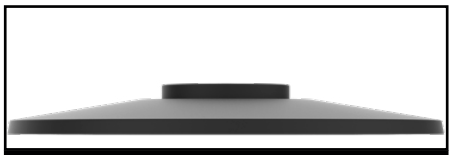
NWP - 1 - S2 - 2B - DB
Decorative Band with Opal Lens

NWP - 1 - S3 - 2B - DB
Decorative Band with Opal Lens

NWP - 1 - S1 - 2B - DB - CL
Decorative Band with Clear Lens

NWP - 1 - S2 - 2B - DB - CL
Decorative Band with Clear Lens

NWP - 1 - S3 - 2B - DB - CL
Decorative Band with Clear Lens



SHADE 1

SHADE 2

SHADE 3

4 BAR DESIGN WITH STAR POWER OPTICS

NWP - 1 - S1 - 4B
Opal Lens (Standard Lens)

NWP - 1 - S2 - 4B
Opal Lens (Standard Lens)

NWP - 1 - S3 - 4B
Opal Lens (Standard Lens)

NWP - 1 - S1 - 4B - CL
Clear Lens

NWP - 1 - S2 - 4B - CL
Clear Lens

NWP - 1 - S3 - 4B - CL
Clear Lens

NWP - 1 - S1 - 4B - DB
Decorative Band with Opal Lens

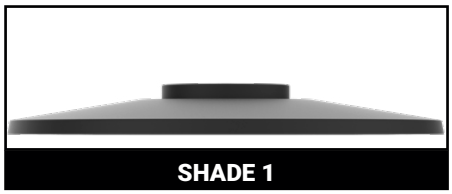
NWP - 1 - S2 - 4B - DB
Decorative Band with Opal Lens

NWP - 1 - S3 - 4B - DB
Decorative Band with Opal Lens

NWP - 1 - S1 - 4B - DB - CL
Decorative Band with Clear Lens

NWP - 1 - S2 - 4B - DB - CL
Decorative Band with Clear Lens

NWP - 1 - S3 - 4B - DB - CL
Decorative Band with Clear Lens



SHADE 1

2 BAR DESIGN WITH SILICONE MICRO OPTICS

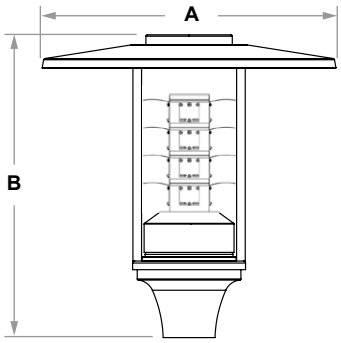
NWP - 2 - S1 - 2B
No Lens

NWP - 2 - S1 - 2B - FSP
No Lens with Motion Sensor
Side Car Mounted

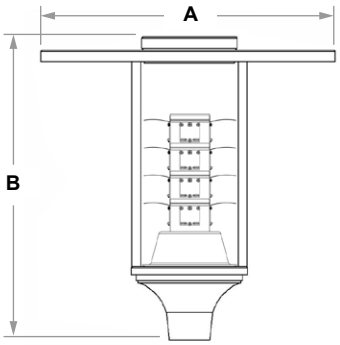
PRODUCT SPECIFICATIONS

DIMENSION	STAR POWER SHADE 1	STAR POWER SHADE 2	STAR POWER SHADE 3	MICRO SILICONE OPTIC
A	25.5 in	28 in	30 in	25.5 in
B	26.3 in	25.5 in	25.3 in	26.3 in

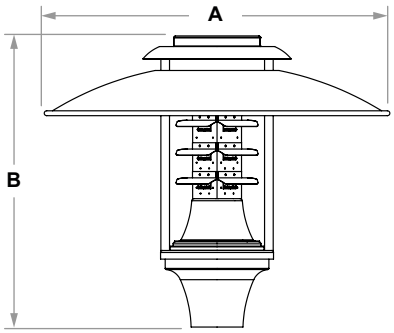
STAR POWER OPTIC SHADE 1



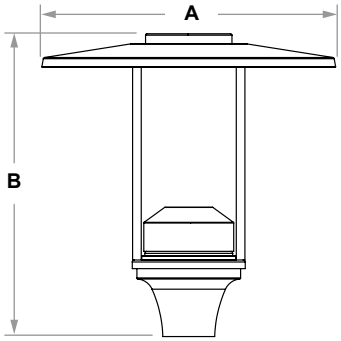
STAR POWER OPTIC SHADE 2



STAR POWER OPTIC SHADE 3

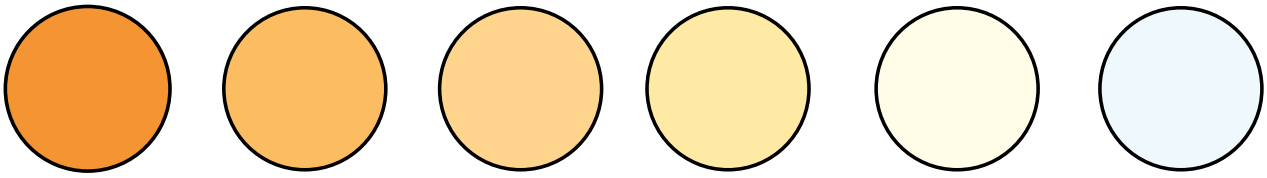


SILICONE MICRO OPTIC



EPA	SHADE-1	SHADE-2	SHADE-3	WEIGHT
STAR POWER FRONT	.81	.79	.89	20 lbs
MICRO SILICONE FRONT	.45	-	-	23 lbs

LED KELVIN RANGE



AMBER
585-600 nm

2700K 70 CRI

3000K 70 CRI

3500K 80 CRI

4000K 70 CRI

5000K 70 CRI

Color	Dominant or Peak Wavelength Range (nm)	
	Minimum	Maximum
Amber	585	600

Lumen Maintenance Data							
Ambient Temperature	**Drive Current**	**L90 Hours***	**L70 Hours****	**30,000 Hours***	**50,000 Hours***	**60,00 Hours***	**100,000 Hours****
25°C	Up to 700mA	58,000	173,000	95.7%	91.6%	89.6%	82.1%
	1050mA	38,000	96,000	93.0%	85.4%	81.8%	68.8%
*Reported extrapolations per IESNA TM-21 **Projected extrapolations per IESNA TM-21							

LUMEN DATA

NEWPORT - STAR POWER LOW GLARE OPTICS - LUMEN DATA CHART					
PART NUMBER	**T3 LUMENS**	**Lm/W**	**T5 LUMENS**	**Lm/W**	**WATTS**
NWP-1-16L-40-27K7	1673	80	1619	77	21
NWP-1-16L-40-27K8	1566	75	1516	72	21
NWP-1-16L-40-30K8	1679	80	1625	77	21
NWP-1-16L-40-30K7	1808	86	1750	83	21
NWP-1-16L-40-35K8	1679	80	1625	77	21
NWP-1-16L-40-40K8	1808	86	1750	83	21
NWP-1-16L-40-40K7	1954	93	1891	90	21
NWP-1-16L-40-50K8	1808	86	1750	83	21
NWP-1-16L-40-50K7	1954	93	1891	90	21
NWP-1-16L-53-30K7	2408	86	2296	82	28
NWP-1-16L-53-40K7	2548	91	2436	87	28
NWP-1-16L-53-50K7	2660	95	2576	92	28
NWP-116L-7-30K7	3096	86	2952	82	36
NWP-1-16L-7-40K7	3276	91	3132	87	36
NWP-1-16L-7-50K7	3420	95	3056	92	36
NWP-1-32L-35-30K7	2838	86	2706	82	33
NWP-1-32L-35-40K7	3003	91	2871	87	33
NWP-1-32L-35-50K7	3135	95	3036	92	33
NWP-1-32L-53-30K7	4644	86	4428	82	54
NWP-1-32L-53-40K7	4914	91	4698	87	54
NWP-1-32L-53-50K7	5130	95	4968	92	54
NWP-1-32L-7-30K7	6106	86	5822	82	71
NWP-1-32L-7-40K7	6461	91	6177	87	71
NWP-1-32L-7-50K7	6745	95	6532	92	71
NWP-1-48L-35-30K7	4386	86	4182	82	51
NWP-1-48L-35-40K7	4641	91	4437	87	51
NWP-1-48L-35-50K7	4845	95	4692	92	51

LUMEN DATA

NEWPORT - STANDARD SILICONE MICRO OPTICS - 16L LUMEN DATA CHART					
PART NUMBER	T2 LUMENS	Lm/W	T3 LUMENS	Lm/W	WATTS
NWP-16L-4-27K7	2187	104	2205	105	21
NWP-16L-4-27K8	1919	91	1935	92	21
NWP-16L-4-30K7	2539	121	2559	122	21
NWP-16L-4-30K8	2021	96	2037	97	21
NWP-16L-4-35K8	2083	99	2100	100	21
NWP-16L-4-40K7	2604	124	2625	125	21
NWP-16L-4-40K8	2161	103	2179	104	21
NWP-16L-4-50K7	2604	124	2625	125	21
NWP-16L-4-50K8	2161	103	2179	104	21
NWP-16L-53-27K7	2705	97	2728	97	28
NWP-16L-53-27K8	2373	85	2394	85	28
NWP-16L-53-30K7	3140	112	3167	113	28
NWP-16L-53-30K8	2499	89	2520	90	28
NWP-16L-53-35K8	2576	92	2598	93	28
NWP-16L-53-40K7	3220	115	3248	116	28
NWP-16L-53-40K8	2673	95	2696	96	28
NWP-16L-53-50K7	3220	115	3248	116	28
NWP-16L-53-50K8	2673	95	2696	96	28
NWP-16L-7-27K7	3205	89	3236	90	36
NWP-16L-7-27K8	2812	78	2839	79	36
NWP-16L-7-30K7	3721	103	3756	104	36
NWP-16L-7-30K8	2961	82	2989	83	36
NWP-16L-7-35K8	3053	85	3082	86	36
NWP-16L-7-40K7	3816	106	3852	107	36
NWP-16L-7-40K8	3167	88	3197	89	36
NWP-16L-7-50K7	3816	106	3852	107	36
NWP-16L-7-50K8	3167	88	3197	89	36
NWP-16L-1-27K7	4905	88	4918	88	56
NWP-16L-1-27K8	4303	77	4315	77	56
NWP-16L-1-30K7	5693	102	5709	102	56
NWP-16L-1-30K8	4531	81	4543	81	56
NWP-16L-1-35K8	4671	83	4684	84	56
NWP-16L-1-40K7	5839	104	5855	105	56
NWP-16L-1-40K8	4846	87	4860	87	56
NWP-16L-1-50K7	5839	104	5855	105	56
NWP-16L-1-50K8	4846	87	4860	87	56

NEWPORT - PERFORMANCE SILICONE MICRO OPTICS - 16L LUMEN DATA CHART					
PART NUMBER	T4FTW LUMENS	Lm/W	T5W LUMENS	Lm/W	WATTS
NWP-16L-4-27K7	2029	97	2293	109	21
NWP-16L-4-27K8	1780	85	2012	96	21
NWP-16L-4-30K7	2355	112	2662	127	21
NWP-16L-4-30K8	1874	89	2118	101	21
NWP-16L-4-35K8	1932	92	2184	104	21
NWP-16L-4-40K7	2415	115	2730	130	21
NWP-16L-4-40K8	2004	95	2266	108	21
NWP-16L-4-50K7	2415	115	2730	130	21
NWP-16L-4-50K8	2004	95	2266	108	21
NWP-16L-53-27K7	2493	89	3011	108	28
NWP-16L-53-27K8	2187	78	2641	94	28
NWP-16L-53-30K7	2894	103	3494	125	28
NWP-16L-53-30K8	2303	82	2781	99	28
NWP-16L-53-35K8	2374	85	2867	102	28
NWP-16L-53-40K7	2968	106	3584	128	28
NWP-16L-53-40K8	2463	88	2975	106	28
NWP-16L-53-50K7	2968	106	3584	128	28
NWP-16L-53-50K8	2463	88	2975	106	28
NWP-16L-7-27K7	2933	81	3840	107	36
NWP-16L-7-27K8	2574	71	3370	94	36
NWP-16L-7-30K7	3405	95	4458	124	36
NWP-16L-7-30K8	2710	75	3548	99	36
NWP-16L-7-35K8	2794	78	3658	102	36
NWP-16L-7-40K7	3492	97	4572	127	36
NWP-16L-7-40K8	2898	81	3795	105	36
NWP-16L-7-50K7	3492	97	4572	127	36
NWP-16L-7-50K8	2898	81	3795	105	36
NWP-16L-1-27K7	4473	80	5234	93	56
NWP-16L-1-27K8	3925	70	4592	82	56
NWP-16L-1-30K7	5192	93	6075	108	56
NWP-16L-1-30K8	4132	74	4835	86	56
NWP-16L-1-35K8	4260	76	4985	89	56
NWP-16L-1-40K7	5325	95	6231	111	56
NWP-16L-1-40K8	4420	79	5172	92	56
NWP-16L-1-50K7	5325	95	6231	111	56
NWP-16L-1-50K8	4420	79	5172	92	56

NEWPORT - STANDARD SILICONE MICRO OPTICS - 32L LUMEN DATA CHART					
PART NUMBER	T2 LUMENS	Lm/W	T3 LUMENS	Lm/W	WATTS
NWP-32L-7-27K7	6560	92	6620	93	71
NWP-32L-7-27K8	5756	81	5808	82	71
NWP-32L-7-30K7	7615	107	7684	108	71
NWP-32L-7-30K8	6061	85	6116	86	71
NWP-32L-7-35K8	6248	88	6305	89	71
NWP-32L-7-40K7	7810	110	7881	111	71
NWP-32L-7-40K8	6482	91	6541	92	71
NWP-32L-7-50K7	7810	110	7881	111	71
NWP-32L-7-50K8	6482	91	6541	92	71
NWP-32L-1-27K7	9653	91	9694	91	106
NWP-32L-1-27K8	8470	80	8505	80	106
NWP-32L-1-30K7	11205	106	11252	106	106
NWP-32L-1-30K8	8918	84	8955	84	106
NWP-32L-1-35K8	9194	87	9232	87	106
NWP-32L-1-40K7	11492	108	11540	109	106
NWP-32L-1-40K8	9538	90	9578	90	106
NWP-32L-1-50K7	11492	108	11540	109	106
NWP-32L-1-50K8	9538	90	9578	90	106

NEWPORT - PERFORMANCE SILICONE MICRO OPTICS - 32L LUMEN DATA CHART					
PART NUMBER	T4FTW LUMENS	Lm/W	T5W LUMENS	Lm/W	WATTS
NWP-32L-7-27K7	5785	81	7574	107	71
NWP-32L-7-27K8	5076	71	6646	94	71
NWP-32L-7-30K7	6715	95	8792	124	71
NWP-32L-7-30K8	5344	75	6997	99	71
NWP-32L-7-35K8	5510	78	7214	102	71
NWP-32L-7-40K7	6887	97	9017	127	71
NWP-32L-7-40K8	5716	81	7484	105	71
NWP-32L-7-50K7	6887	97	9017	127	71
NWP-32L-7-50K8	5716	81	7484	105	71
NWP-32L-1-27K7	8460	80	9841	93	106
NWP-32L-1-27K8	7423	70	8635	81	106
NWP-32L-1-30K7	9820	93	11423	108	106
NWP-32L-1-30K8	7816	74	9092	86	106
NWP-32L-1-35K8	8058	76	9373	88	106
NWP-32L-1-40K7	10072	95	11716	111	106
NWP-32L-1-40K8	8360	79	9724	92	106
NWP-32L-1-50K7	10072	95	11716	111	106
NWP-32L-1-50K8	8360	79	9724	92	106

LUMEN DATA

NEWPORT - STANDARD SILICONE MICRO OPTICS - 48L LUMEN DATA CHART					
PART NUMBER	T2 LUMENS	Lm/W	T3 LUMENS	Lm/W	WATTS
NWP-48L-7-27K7	9253	91	9339	92	102
NWP-48L-7-27K8	8119	80	8194	80	102
NWP-48L-7-30K7	10741	105	10840	106	102
NWP-48L-7-30K8	8548	84	8628	85	102
NWP-48L-7-35K8	8813	86	8894	87	102
NWP-48L-7-40K7	11016	108	11118	109	102
NWP-48L-7-40K8	9143	90	9228	90	102
NWP-48L-7-50K7	11016	108	11118	109	102
NWP-48L-7-50K8	9143	90	9228	90	102
NWP-48L-1-27K7	13685	89	13822	90	154
NWP-48L-1-27K8	12007	78	12127	79	154
NWP-48L-1-30K7	15885	103	16044	104	154
NWP-48L-1-30K8	12643	82	12769	83	154
NWP-48L-1-35K8	13034	85	13164	85	154
NWP-48L-1-40K7	16292	106	16455	107	154
NWP-48L-1-40K8	13522	88	13658	89	154
NWP-48L-1-50K7	16292	106	16455	107	154
NWP-48L-1-50K8	13522	88	13658	89	154

NEWPORT - PERFORMANCE SILICONE MICRO OPTICS - 48L LUMEN DATA CHART					
PART NUMBER	T4FTW LUMENS	Lm/W	T5W LUMENS	Lm/W	WATTS
NWP-48L-7-27K7	8054	79	10881	107	102
NWP-48L-7-27K8	7066	69	9547	94	102
NWP-48L-7-30K7	9348	92	12630	124	102
NWP-48L-7-30K8	7440	73	10052	99	102
NWP-48L-7-35K8	7670	75	10363	102	102
NWP-48L-7-40K7	9588	94	12954	127	102
NWP-48L-7-40K8	7958	78	10752	105	102
NWP-48L-7-50K7	9588	94	12954	127	102
NWP-48L-7-50K8	7958	78	10752	105	102
NWP-48L-1-27K7	11920	77	14419	94	154
NWP-48L-1-27K8	10459	68	12651	82	154
NWP-48L-1-30K7	13836	90	16736	109	154
NWP-48L-1-30K8	11012	72	13320	86	154
NWP-48L-1-35K8	11353	74	13732	89	154
NWP-48L-1-40K7	14191	92	17165	111	154
NWP-48L-1-40K8	11779	76	14247	93	154
NWP-48L-1-50K7	14191	92	17165	111	154
NWP-48L-1-50K8	11779	76	14247	93	154

NEWPORT - STANDARD SILICONE MICRO OPTICS - 64L LUMEN DATA CHART					
PART NUMBER	T2 LUMENS	Lm/W	T3 LUMENS	Lm/W	WATTS
NWP-64L-35-27K7	6969	102	7026	103	68
NWP-64L-35-27K8	6114	90	6164	91	68
NWP-64L-35-30K7	8089	119	8155	120	68
NWP-64L-35-30K8	6438	95	6490	95	68
NWP-64L-35-35K8	6637	98	6691	98	68
NWP-64L-35-40K7	8296	122	8364	123	68
NWP-64L-35-40K8	6886	101	6942	102	68
NWP-64L-35-50K7	8296	122	8364	123	68
NWP-64L-35-50K8	6886	101	6942	102	68
NWP-64L-53-27K7	9690	94	9777	95	103
NWP-64L-53-27K8	8502	83	8578	83	103
NWP-64L-53-30K7	11248	109	11348	110	103
NWP-64L-53-30K8	8952	87	9032	88	103
NWP-64L-53-35K8	9229	90	9311	90	103
NWP-64L-53-40K7	11536	112	11639	113	103
NWP-64L-53-40K8	9575	93	9660	94	103
NWP-64L-53-50K7	11536	112	11639	113	103
NWP-64L-53-50K8	9575	93	9660	94	103
NWP-64L-7-27K7	11738	86	11853	87	137
NWP-64L-7-27K8	10299	75	10400	76	137
NWP-64L-7-30K7	13625	99	13758	100	137
NWP-64L-7-30K8	10844	79	10950	80	137
NWP-64L-7-35K8	11179	82	11289	82	137
NWP-64L-7-40K7	13974	102	14111	103	137
NWP-64L-7-40K8	11598	85	11712	85	137
NWP-64L-7-50K7	13974	102	14111	103	137
NWP-64L-7-50K8	11598	85	11712	85	137
NWP-64L-1-27K7	17328	84	17464	85	206
NWP-64L-1-27K8	15203	74	15323	74	206
NWP-64L-1-30K7	20112	98	20271	98	206
NWP-64L-1-30K8	16007	78	16134	78	206
NWP-64L-1-35K8	16502	80	16633	81	206
NWP-64L-1-40K7	20628	100	20791	101	206
NWP-64L-1-40K8	17121	83	17257	84	206
NWP-64L-1-50K7	20628	100	20791	101	206
NWP-64L-1-50K8	17121	83	17257	84	206

NEWPORT - PERFORMANCE SILICONE MICRO OPTICS - 64L LUMEN DATA CHART					
PART NUMBER	T4FTW LUMENS	Lm/W	T5W LUMENS	Lm/W	WATTS
NWP-64L-35-27K7	6112	90	7368	108	68
NWP-64L-35-27K8	5362	79	6465	95	68
NWP-64L-35-30K7	7094	104	8553	126	68
NWP-64L-35-30K8	5646	83	6807	100	68
NWP-64L-35-35K8	5821	86	7018	103	68
NWP-64L-35-40K7	7276	107	8772	129	68
NWP-64L-35-40K8	6039	89	7281	107	68
NWP-64L-35-50K7	7276	107	8772	129	68
NWP-64L-35-50K8	6039	89	7281	107	68
NWP-64L-53-27K7	8392	81	11075	108	103
NWP-64L-53-27K8	7363	71	9717	94	103
NWP-64L-53-30K7	9741	95	12854	125	103
NWP-64L-53-30K8	7753	75	10231	99	103
NWP-64L-53-35K8	7993	78	10547	102	103
NWP-64L-53-40K7	9991	97	13184	128	103
NWP-64L-53-40K8	8293	81	10943	106	103
NWP-64L-53-50K7	9991	97	13184	128	103
NWP-64L-53-50K8	8293	81	10943	106	103
NWP-64L-7-27K7	10012	73	14500	106	137
NWP-64L-7-27K8	8784	64	12722	93	137
NWP-64L-7-30K7	11621	85	16830	123	137
NWP-64L-7-30K8	9249	68	13395	98	137
NWP-64L-7-35K8	9535	70	13810	101	137
NWP-64L-7-40K7	11919	87	17262	126	137
NWP-64L-7-40K8	9893	72	14327	105	137
NWP-64L-7-50K7	11919	87	17262	126	137
NWP-64L-7-50K8	9893	72	14327	105	137
NWP-64L-1-27K7	14792	72	19054	92	206
NWP-64L-1-27K8	12978	63	16717	81	206
NWP-64L-1-30K7	17169	83	22116	107	206
NWP-64L-1-30K8	13665	66	17602	85	206
NWP-64L-1-35K8	14087	68	18146	88	206
NWP-64L-1-40K7	17609	85	22683	110	206
NWP-64L-1-40K8	14615	71	18827	91	206
NWP-64L-1-50K7	17609	85	22683	110	206
NWP-64L-1-50K8	14615	71	18827	91	206

BUG RATINGS

NWP-1- STAR POWER LOW GLARE OPTICS - BUG DATA CHART			
PART NUMBER	T3	T5	Watts
NWP-1-16L-400-30K	B1-U3-G2	B1-U3-G1	21
NWP-1-16L-400-40K	B1-U3-G2	B1-U3-G2	21
NWP-1-16L-400-50K	B1-U3-G2	B1-U3-G2	21
NWP-1-16L-530-30K	B1-U3-G2	B1-U4-G2	28
NWP-1-16L-530-40K	B1-U3-G2	B1-U4-G2	28
NWP-1-16L-530-50K	B1-U3-G2	B1-U4-G2	28
NWP-1-16L-700-30K	B1-U3-G2	B1-U4-G2	36
NWP-1-16L-700-40K	B1-U3-G3	B1-U4-G2	36
NWP-1-16L-700-50K	B1-U3-G3	B1-U5-G2	36
NWP-1-32L-350-30K	B1-U3-G2	B1-U4-G2	33
NWP-1-32L-350-40K	B1-U3-G2	B1-U4-G2	33
NWP-1-32L-350-50K	B1-U3-G2	B1-U4-G2	33
NWP-1-32L-530-30K	B1-U4-G3	B2-U5-G3	54
NWP-1-32L-530-40K	B2-U4-G3	B2-U5-G3	54
NWP-1-32L-530-50K	B2-U4-G3	B2-U5-G3	54
NWP-1-32L-700-30K	B2-U4-G3	B2-U5-G3	71
NWP-1-32L-700-40K	B2-U4-G3	B2-U5-G3	71
NWP-1-32L-700-50K	B2-U4-G3	B2-U5-G3	71
NWP-1-48L-350-30K	B1-U4-G3	B1-U5-G3	51
NWP-1-48L-350-40K	B1-U4-G3	B1-U5-G3	51
NWP-1-48L-350-50K	B1-U4-G3	B2-U5-G3	51

NEWPORT - STANDARD SILICONE MICRO OPTICS - 16L BUG RATINGS			
PART NUMBER	T2 B-U-G	T3 B-U-G	WATTS
NWP-16L-4-27K7	B1-U2-G1	B1-U1-G1	21
NWP-16L-4-27K8	B1-U1-G1	B1-U1-G1	21
NWP-16L-4-30K7	B1-U2-G1	B1-U2-G1	21
NWP-16L-4-30K8	B1-U1-G1	B1-U1-G1	21
NWP-16L-4-35K8	B1-U1-G1	B1-U1-G1	21
NWP-16L-4-40K7	B1-U2-G1	B1-U2-G1	21
NWP-16L-4-40K8	B1-U2-G1	B1-U1-G1	21
NWP-16L-4-50K7	B1-U2-G1	B1-U2-G1	21
NWP-16L-4-50K8	B1-U2-G1	B1-U1-G1	21
NWP-16L-53-27K7	B1-U2-G1	B1-U2-G1	28
NWP-16L-53-27K8	B1-U2-G1	B1-U2-G1	28
NWP-16L-53-30K7	B1-U2-G1	B1-U2-G1	28
NWP-16L-53-30K8	B1-U2-G1	B1-U2-G1	28
NWP-16L-53-35K8	B1-U2-G1	B1-U2-G1	28
NWP-16L-53-40K7	B1-U2-G1	B1-U2-G1	28
NWP-16L-53-40K8	B1-U2-G1	B1-U2-G1	28
NWP-16L-53-50K7	B1-U2-G1	B1-U2-G1	28
NWP-16L-53-50K8	B1-U2-G1	B1-U2-G1	28
NWP-16L-7-27K7	B1-U2-G1	B1-U2-G1	36
NWP-16L-7-27K8	B1-U2-G1	B1-U2-G1	36
NWP-16L-7-30K7	B1-U2-G1	B1-U2-G1	36
NWP-16L-7-30K8	B1-U2-G1	B1-U2-G1	36
NWP-16L-7-35K8	B1-U2-G1	B1-U2-G1	36
NWP-16L-7-40K7	B1-U2-G1	B1-U2-G1	36
NWP-16L-7-40K8	B1-U2-G1	B1-U2-G1	36
NWP-16L-7-50K7	B1-U2-G1	B1-U2-G1	36
NWP-16L-7-50K8	B1-U2-G1	B1-U2-G1	36
NWP-16L-1-27K7	B1-U2-G1	B1-U2-G1	56
NWP-16L-1-27K8	B1-U2-G1	B1-U2-G1	56
NWP-16L-1-30K7	B1-U2-G1	B1-U2-G1	56
NWP-16L-1-30K8	B1-U2-G1	B1-U2-G1	56
NWP-16L-1-35K8	B1-U2-G1	B1-U2-G1	56
NWP-16L-1-40K7	B1-U2-G1	B1-U2-G1	56
NWP-16L-1-40K8	B1-U2-G1	B1-U2-G1	56
NWP-16L-1-50K7	B1-U2-G1	B1-U2-G1	56
NWP-16L-1-50K8	B1-U2-G1	B1-U2-G1	56

NEWPORT - PERFORMANCE SILICONE MICRO OPTICS - 16L BUG RATINGS			
PART NUMBER	T4FTW B-U-G	T5W B-U-G	WATTS
NWP-16L-4-27K7	B1-U1-G1	B2-U1-G1	21
NWP-16L-4-27K8	B1-U1-G1	B2-U1-G1	21
NWP-16L-4-30K7	B1-U1-G2	B2-U1-G1	21
NWP-16L-4-30K8	B1-U1-G1	B2-U1-G1	21
NWP-16L-4-35K8	B1-U1-G1	B2-U1-G1	21
NWP-16L-4-40K7	B1-U1-G2	B2-U1-G1	21
NWP-16L-4-40K8	B1-U1-G1	B2-U1-G1	21
NWP-16L-4-50K7	B1-U1-G2	B2-U1-G1	21
NWP-16L-4-50K8	B1-U1-G1	B2-U1-G1	21
NWP-16L-53-27K7	B1-U1-G2	B2-U1-G1	28
NWP-16L-53-27K8	B1-U1-G2	B2-U1-G1	28
NWP-16L-53-30K7	B1-U1-G2	B3-U1-G1	28
NWP-16L-53-30K8	B1-U1-G2	B2-U1-G1	28
NWP-16L-53-35K8	B1-U1-G2	B2-U1-G1	28
NWP-16L-53-40K7	B1-U1-G2	B3-U1-G1	28
NWP-16L-53-40K8	B1-U1-G2	B2-U1-G1	28
NWP-16L-53-50K7	B1-U1-G2	B3-U1-G1	28
NWP-16L-53-50K8	B1-U1-G2	B2-U1-G1	28
NWP-16L-7-27K7	B1-U1-G2	B3-U1-G2	36
NWP-16L-7-27K8	B1-U1-G2	B3-U1-G1	36
NWP-16L-7-30K7	B1-U1-G2	B3-U1-G2	36
NWP-16L-7-30K8	B1-U1-G2	B3-U1-G1	36
NWP-16L-7-35K8	B1-U1-G2	B3-U1-G1	36
NWP-16L-7-40K7	B1-U1-G2	B3-U1-G2	36
NWP-16L-7-40K8	B1-U1-G2	B3-U1-G2	36
NWP-16L-7-50K7	B1-U1-G2	B3-U1-G2	36
NWP-16L-7-50K8	B1-U1-G2	B3-U1-G2	36
NWP-16L-1-27K7	B1-U2-G2	B3-U2-G2	56
NWP-16L-1-27K8	B1-U1-G2	B3-U1-G2	56
NWP-16L-1-30K7	B1-U2-G3	B3-U2-G2	56
NWP-16L-1-30K8	B1-U2-G2	B3-U1-G2	56
NWP-16L-1-35K8	B1-U2-G2	B3-U1-G2	56
NWP-16L-1-40K7	B1-U2-G3	B3-U2-G2	56
NWP-16L-1-40K8	B1-U2-G2	B3-U2-G2	56
NWP-16L-1-50K7	B1-U2-G3	B3-U2-G2	56
NWP-16L-1-50K8	B1-U2-G2	B3-U2-G2	56

BUG RATINGS

NEWPORT - STANDARD SILICONE MICRO OPTICS - 32L BUG RATINGS			
PART NUMBER	T2 B-U-G	T3 B-U-G	WATTS
NWP-32L-7-27K7	B2-U2-G2	B2-U2-G2	71
NWP-32L-7-27K8	B1-U2-G1	B2-U2-G2	71
NWP-32L-7-30K7	B2-U2-G2	B2-U2-G2	71
NWP-32L-7-30K8	B1-U2-G1	B2-U2-G2	71
NWP-32L-7-35K8	B1-U2-G1	B2-U2-G2	71
NWP-32L-7-40K7	B2-U2-G2	B2-U2-G2	71
NWP-32L-7-40K8	B2-U2-G2	B2-U2-G2	71
NWP-32L-7-50K7	B2-U2-G2	B2-U2-G2	71
NWP-32L-7-50K8	B2-U2-G2	B2-U2-G2	71
NWP-32L-1-27K7	B2-U2-G2	B2-U2-G2	106
NWP-32L-1-27K8	B2-U2-G2	B2-U2-G2	106
NWP-32L-1-30K7	B2-U3-G2	B3-U2-G3	106
NWP-32L-1-30K8	B2-U2-G2	B2-U2-G2	106
NWP-32L-1-35K8	B2-U2-G2	B2-U2-G2	106
NWP-32L-1-40K7	B2-U3-G2	B3-U2-G3	106
NWP-32L-1-40K8	B2-U2-G2	B2-U2-G2	106
NWP-32L-1-50K7	B2-U3-G2	B3-U2-G3	106
NWP-32L-1-50K8	B2-U2-G2	B2-U2-G2	106

NEWPORT - PERFORMANCE SILICONE MICRO OPTICS - 32L BUG RATINGS			
PART NUMBER	T4FTW B-U-G	T5W B-U-G	WATTS
NWP-32L-7-27K7	B1-U2-G3	B3-U2-G2	71
NWP-32L-7-27K8	B1-U2-G3	B3-U2-G2	71
NWP-32L-7-30K7	B1-U2-G3	B4-U2-G2	71
NWP-32L-7-30K8	B1-U2-G3	B3-U2-G2	71
NWP-32L-7-35K8	B1-U2-G3	B3-U2-G2	71
NWP-32L-7-40K7	B1-U2-G3	B4-U2-G2	71
NWP-32L-7-40K8	B1-U2-G3	B3-U2-G2	71
NWP-32L-7-50K7	B1-U2-G3	B4-U2-G2	71
NWP-32L-7-50K8	B1-U2-G3	B3-U2-G2	71
NWP-32L-1-27K7	B1-U2-G3	B4-U2-G3	106
NWP-32L-1-27K8	B2-U2-G3	B4-U2-G2	106
NWP-32L-1-30K7	B2-U2-G3	B4-U2-G3	106
NWP-32L-1-30K8	B2-U2-G3	B4-U2-G3	106
NWP-32L-1-35K8	B2-U2-G3	B4-U2-G3	106
NWP-32L-1-40K7	B2-U2-G3	B4-U2-G3	106
NWP-32L-1-40K8	B2-U2-G3	B4-U2-G3	106
NWP-32L-1-50K7	B2-U2-G3	B4-U2-G3	106
NWP-32L-1-50K8	B2-U2-G3	B4-U2-G3	106

NEWPORT - STANDARD SILICONE MICRO OPTICS - 48L BUG RATINGS			
PART NUMBER	T2 B-U-G	T3 B-U-G	WATTS
NWP-48L-7-27K7	B2-U2-G2	B2-U2-G2	102
NWP-48L-7-27K8	B2-U2-G2	B2-U2-G2	102
NWP-48L-7-30K7	B2-U2-G2	B3-U2-G3	102
NWP-48L-7-30K8	B2-U2-G2	B2-U2-G2	102
NWP-48L-7-35K8	B2-U2-G2	B2-U2-G2	102
NWP-48L-7-40K7	B2-U2-G2	B3-U2-G3	102
NWP-48L-7-40K8	B2-U2-G2	B2-U2-G2	102
NWP-48L-7-50K7	B2-U2-G2	B3-U2-G3	102
NWP-48L-7-50K8	B2-U2-G2	B2-U2-G2	102
NWP-48L-1-27K7	B3-U3-G3	B3-U3-G3	154
NWP-48L-1-27K8	B3-U3-G3	B3-U3-G3	154
NWP-48L-1-30K7	B3-U3-G3	B3-U3-G3	154
NWP-48L-1-30K8	B3-U3-G3	B3-U3-G3	154
NWP-48L-1-35K8	B3-U3-G3	B3-U3-G3	154
NWP-48L-1-40K7	B3-U3-G3	B3-U3-G3	154
NWP-48L-1-40K8	B3-U3-G3	B3-U3-G3	154
NWP-48L-1-50K7	B3-U3-G3	B3-U3-G3	154
NWP-48L-1-50K8	B3-U3-G3	B3-U3-G3	154

NEWPORT - PERFORMANCE SILICONE MICRO OPTICS - 48L BUG RATINGS			
PART NUMBER	T4FTW B-U-G	T5W B-U-G	WATTS
NWP-48L-7-27K7	B2-U2-G3	B4-U2-G2	102
NWP-48L-7-27K8	B1-U2-G3	B4-U2-G2	102
NWP-48L-7-30K7	B2-U2-G3	B4-U2-G3	102
NWP-48L-7-30K8	B2-U2-G3	B4-U2-G2	102
NWP-48L-7-35K8	B2-U2-G3	B4-U2-G2	102
NWP-48L-7-40K7	B2-U2-G3	B4-U2-G3	102
NWP-48L-7-40K8	B2-U2-G3	B4-U2-G2	102
NWP-48L-7-50K7	B2-U2-G3	B4-U2-G3	102
NWP-48L-7-50K8	B2-U2-G3	B4-U2-G2	102
NWP-48L-1-27K7	B2-U2-G3	B4-U2-G3	154
NWP-48L-1-27K8	B2-U2-G3	B4-U2-G3	154
NWP-48L-1-30K7	B2-U2-G4	B4-U2-G3	154
NWP-48L-1-30K8	B2-U2-G3	B4-U2-G3	154
NWP-48L-1-35K8	B2-U2-G3	B4-U2-G3	154
NWP-48L-1-40K7	B3-U2-G4	B4-U2-G3	154
NWP-48L-1-40K8	B2-U2-G3	B4-U2-G3	154
NWP-48L-1-50K7	B3-U2-G4	B4-U2-G3	154
NWP-48L-1-50K8	B2-U2-G3	B4-U2-G3	154

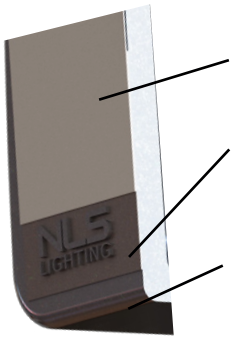
BUG RATINGS

NEWPORT - STANDARD SILICONE MICRO OPTICS - 64L BUG RATINGS			
PART NUMBER	T2 B-U-G	T3 B-U-G	WATTS
NWP-64L-35-27K7	B2-U2-G2	B2-U2-G2	68
NWP-64L-35-27K8	B2-U2-G2	B2-U2-G2	68
NWP-64L-35-30K7	B2-U2-G2	B2-U2-G2	68
NWP-64L-35-30K8	B2-U2-G2	B2-U2-G2	68
NWP-64L-35-35K8	B2-U2-G2	B2-U2-G2	68
NWP-64L-35-40K7	B2-U2-G2	B2-U2-G2	68
NWP-64L-35-40K8	B2-U2-G2	B2-U2-G2	68
NWP-64L-35-50K7	B2-U2-G2	B2-U2-G2	68
NWP-64L-35-50K8	B2-U2-G2	B2-U2-G2	68
NWP-64L-53-27K7	B2-U2-G2	B2-U2-G2	103
NWP-64L-53-27K8	B2-U2-G2	B2-U2-G2	103
NWP-64L-53-30K7	B2-U2-G2	B3-U2-G3	103
NWP-64L-53-30K8	B2-U2-G2	B2-U2-G2	103
NWP-64L-53-35K8	B2-U2-G2	B2-U2-G2	103
NWP-64L-53-40K7	B2-U3-G2	B3-U2-G3	103
NWP-64L-53-40K8	B2-U2-G2	B2-U2-G2	103
NWP-64L-53-50K7	B2-U3-G2	B3-U2-G3	103
NWP-64L-53-50K8	B2-U2-G2	B2-U2-G2	103
NWP-64L-7-27K7	B2-U3-G2	B3-U2-G3	137
NWP-64L-7-27K8	B2-U2-G2	B2-U2-G2	137
NWP-64L-7-30K7	B3-U3-G3	B3-U3-G3	137
NWP-64L-7-30K8	B2-U2-G2	B3-U2-G3	137
NWP-64L-7-35K8	B2-U2-G2	B3-U2-G3	137
NWP-64L-7-40K7	B3-U3-G3	B3-U3-G3	137
NWP-64L-7-40K8	B2-U3-G2	B3-U2-G3	137
NWP-64L-7-50K7	B3-U3-G3	B3-U3-G3	137
NWP-64L-7-50K8	B2-U3-G2	B3-U2-G3	137
NWP-64L-1-27K7	B3-U3-G3	B3-U3-G3	206
NWP-64L-1-27K8	B3-U3-G3	B3-U3-G3	206
NWP-64L-1-30K7	B3-U3-G3	B3-U3-G3	206
NWP-64L-1-30K8	B3-U3-G3	B3-U3-G3	206
NWP-64L-1-35K8	B3-U3-G3	B3-U3-G3	206
NWP-64L-1-40K7	B3-U3-G3	B3-U3-G3	206
NWP-64L-1-40K8	B3-U3-G3	B3-U3-G3	206
NWP-64L-1-50K7	B3-U3-G3	B3-U3-G3	206
NWP-64L-1-50K8	B3-U3-G3	B3-U3-G3	206

NEWPORT - PERFORMANCE SILICONE MICRO OPTICS - 64L BUG RATINGS			
PART NUMBER	T4FTW B-U-G	T5W B-U-G	WATTS
NWP-64L-35-27K7	B1-U2-G2	B3-U2-G2	68
NWP-64L-35-27K8	B1-U2-G2	B3-U2-G2	68
NWP-64L-35-30K7	B2-U2-G3	B4-U2-G2	68
NWP-64L-35-30K8	B1-U2-G2	B3-U2-G2	68
NWP-64L-35-35K8	B1-U2-G2	B3-U2-G2	68
NWP-64L-35-40K7	B2-U2-G3	B4-U2-G2	68
NWP-64L-35-40K8	B1-U2-G2	B3-U2-G2	68
NWP-64L-35-50K7	B2-U2-G3	B4-U2-G2	68
NWP-64L-35-50K8	B1-U2-G2	B3-U2-G2	68
NWP-64L-53-27K7	B2-U2-G3	B4-U2-G2	103
NWP-64L-53-27K8	B2-U2-G3	B4-U2-G2	103
NWP-64L-53-30K7	B2-U2-G3	B4-U2-G2	103
NWP-64L-53-30K8	B2-U2-G3	B4-U2-G2	103
NWP-64L-53-35K8	B2-U2-G3	B4-U2-G2	103
NWP-64L-53-40K7	B2-U2-G3	B4-U2-G2	103
NWP-64L-53-40K8	B2-U2-G3	B4-U2-G2	103
NWP-64L-53-50K7	B2-U2-G3	B4-U2-G2	103
NWP-64L-53-50K8	B2-U2-G3	B4-U2-G2	103
NWP-64L-7-27K7	B2-U2-G3	B4-U2-G2	137
NWP-64L-7-27K8	B2-U2-G3	B4-U2-G2	137
NWP-64L-7-30K7	B2-U2-G3	B5-U2-G3	137
NWP-64L-7-30K8	B2-U2-G3	B4-U2-G2	137
NWP-64L-7-35K8	B2-U2-G3	B4-U2-G2	137
NWP-64L-7-40K7	B2-U2-G3	B5-U2-G3	137
NWP-64L-7-40K8	B2-U2-G3	B4-U2-G2	137
NWP-64L-7-50K7	B2-U2-G3	B5-U2-G3	137
NWP-64L-7-50K8	B2-U2-G3	B4-U2-G2	137
NWP-64L-1-27K7	B3-U2-G3	B5-U2-G3	206
NWP-64L-1-27K8	B2-U2-G3	B5-U2-G3	206
NWP-64L-1-30K7	B3-U3-G4	B5-U2-G3	206
NWP-64L-1-30K8	B2-U2-G3	B5-U2-G3	206
NWP-64L-1-35K8	B3-U2-G3	B5-U2-G3	206
NWP-64L-1-40K7	B3-U3-G4	B5-U2-G3	206
NWP-64L-1-40K8	B3-U2-G3	B5-U2-G3	206
NWP-64L-1-50K7	B3-U3-G4	B5-U2-G3	206
NWP-64L-1-50K8	B3-U2-G3	B5-U2-G3	206

MARINE GRADE FINISH (MGF)

The **(MGF)** is a multi step process. Chemically washed in a 5 stage cleaning system. Pre-baked. Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer. Oven Baked. Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.



Powder Coat Finish
3-5 mil Powder Coat

Primer Layer
3-5 mil Zinc Rich Super Durable Polyester Primer

Prepared Casting
Chemically washed in multi Step 5 stage cleaning process

BUTTON PHOTOCELL

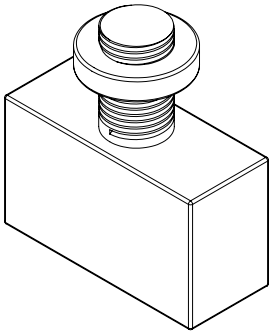



Photo Cell for dusk to dawn operation.