

The Wilshire is the perfect luminaire designed to replace existing post top fixtures saving seventy five percent energy while meeting IES minimum foot candle levels while improving light distribution and uniformity.

The Full Cutoff Dark Sky Wilshire luminaire features LEDs recessed deep into the luminaire eliminating any direct glare. Frosted textured glass is Standard lens.

Wilshire is available from 21 to 80 watts and its scale is perfect to replace any wattage between 70-400 watt HID. The Wilshire throws light four to five mounting heights in all directions which is a major light distribution improving existing optical technology. The Wilshire features the Star Power Reflector system, a diffused 95 percent reflective low glare optical material.

Wilshire is available in Kelvin temperatures of Amber, 2700K, 3000K, 3500K, 4000K, and 5000K in Type 3 and Type 5 distributions.

#### 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).



#### STAR POWER™ OPTICAL SYSTEM

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

#### LED WATTAGE CHART

	16L	32L	48L
350 milliamps	-	33w	51w
400 milliamps	21w	-	-
530 milliamps	28w	54w	80w

Project Name:

Type:

Cat#	Light Dist.	# of LEDs	Milliamps	Kelvin	Volts	Mounting	Color	Options
Wilshire (WIL)	Type 3 (T3)	16 (16L)	350 (35)	Amber 585-600nm (AMBER) ①	120-277 (UNV)	Post Top Over 2-3/8" OD (T2R)	Bronze Textured (BRZ)	Marine Grade Finish (MGF)
	Type 5 (T5)	32 (32L)	400 (40) ⑥	2700K, 70 CRI (27K7)	347-480 (HV)	Post Top Over 3" OD (T3R)	White Textured (WHT)	Button Photocell (PC) ②
		48 (48L)	530 (53)	2700K, 80 CRI (27K8) ①			Smooth White Gloss (SWT)	House Side Shield (HSS)
				3000K, 70 CRI (30K7)			Silver (SVR)	Buy American (BAA) ③
				3000K, 80 CRI (30K8) ①			Black Textured (BLK)	Trade American (TAA) ③
				3500K, 80 CRI (35K8) ①			Smooth Black Gloss (SBK)	Build America Buy American (BABA) ③
				4000K, 70 CRI (40K7)			Graphite Textured (GPH)	Custom Controls Integration (CCI) ⑤
				4000K, 80 CRI (40K8) ①			Grey Textured (GRY)	
				5000K, 70 CRI (50K7)			Custom (CS)	
				5000K, 80 CRI (50K8) ①				
Notes:								
① Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.								
② Universal Voltage 120-277								
③ Please contact Factory for Custom Control Integration requests (nLight, NX, WaveLinX, Crestron, DMX/RDM, Synapse, Casambi, Dali II, Avi-On, or other control systems)								
④ Turtle Safe								
⑤ Consult factory for all BAA/TAA/BABA requests								
⑥ 16L Only								

## PRODUCT SPECIFICATIONS

### ELECTRICAL

- 120-277 Volts (UNV) or 347-480 Volts (HV)
- 0-10V dimming driver
- Driver power factor at maximum load is  $\geq .95$ , THD maximum load is 15%
- LED Drivers Ambient Temp. Min is  $-40^{\circ}\text{C}$  and Ambient Temp. Max ranges from  $50^{\circ}\text{C}$  to  $55^{\circ}\text{C}$  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  $105^{\circ}\text{C}$
- CRI 70, 80 or 90
- Color temperatures: Amber, 2700, 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.

House Side Shield (HSS) is designed for full property line cut-off.

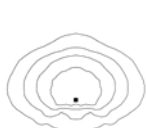
### CONTROL OPTIONS

- 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

Recessed 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)

### FINISH

- 3-5 mils electrostatic powder coat.
- NLS Light's standard high-quality finishes prevent corrosion protects against and extreme environmental conditions

### WARRANTY

Five-year limited warranty for drivers and LEDs.

### LISTINGS

- Certified to UL 1598
- UL 8750
- 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://nlsighting.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.



701 Kingshill Place, Carson, CA 90746  
Call Us Today (310) 341-2037

[nlsighting.com](https://nlsighting.com)

# PRODUCT SPECIFICATIONS

WILSHIRE LUMEN DATA CHART

PART NUMBER	T3 LUMENS	T3 LM/W	T5 LUMENS	T5 LM/W	Watts
WIL-16L-40-27K7	1902	91	1849	88	21
WIL-16L-40-27K8	1781	85	1731	82	21
WIL-16L-40-30K8	1909	91	1856	88	21
WIL-16L-40-30K7	2056	98	1999	95	21
WIL-16L-40-35K8	1909	91	1856	88	21
WIL-16L-40-40K8	2056	98	1999	95	21
WIL-16L-40-40K7	2222	106	2160	103	21
WIL-16L-40-50K8	2056	98	1999	95	21
WIL-16L-40-50K7	2222	106	2160	103	21
WIL-16L-53-30K7	2772	99	2716	97	28
WIL-16L-53-40K7	2912	104	2828	101	28
WIL-16L-53-50K7	3024	108	2940	105	28
WIL-32L-35-30K7	3267	99	3201	97	33
WIL-32L-35-40K7	3432	104	3333	101	33
WIL-32L-35-50K7	3564	108	3465	105	33
WIL-32L-53-30K7	5398	99	5238	97	54
WIL-32L-53-40K7	5616	104	5454	101	54
WIL-32L-53-50K7	5832	108	5670	105	54
WIL-48L-35-30K7	5049	99	4947	97	51
WIL-48L-35-40K7	5304	104	5151	101	51
WIL-48L-35-50K7	5508	108	5352	105	51
WIL-48L-53-30K7	7920	99	7760	97	80
WIL-48L-53-40K7	8320	104	8080	101	80
WIL-48L-53-50K7	8640	108	8400	105	80

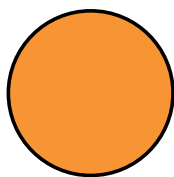
Lumen Maintenance Data

Ambient Temperature	Drive Current	L90 Hours*	L70 Hours**	30,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours**
25°C	Up to 700mA	58,000	173,000	95.7%	91.6%	89.6%	82.1%

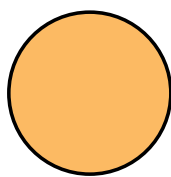
\*Reported extrapolations per IESNA TM-21

\*\*Projected extrapolations per IESNA TM-21

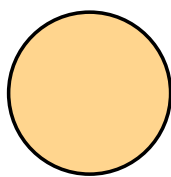
## LED KELVIN RANGE



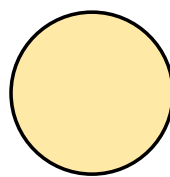
AMBER  
585-600 nm



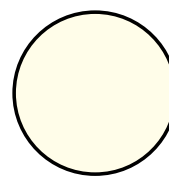
2700K 70 CRI



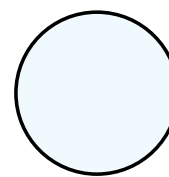
3000K 70 CRI



3500K 80 CRI



4000K 70 CRI



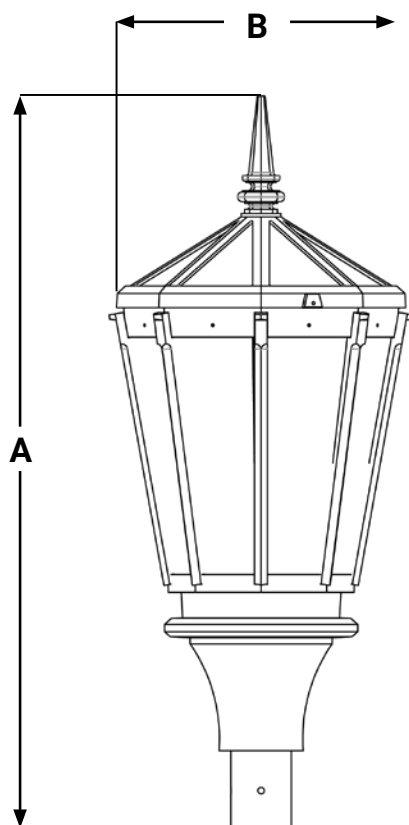
5000K 70 CRI

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

## PRODUCT SPECIFICATIONS

DIMENSION	WIL
<b>A</b>	42.5 in
<b>B</b>	16.75 in

EPA	WEIGHT
2.8ft <sup>2</sup>	29 lbs



OVER 2-3/8" TO 3"OD Ø