

LED WATTAGE CHART

	16L	32L
400 milliamps	21w	33w
530 milliamps	28w	54w
700 milliamps	36w	71w
1050 milliamps	56w	-

Flow is a full cutoff wall scone available from 21 to 71 watts. This low profile scone "flows" nicely with any architectural project to create a bold and sleek design. It is available with title 24 options to meet the stringent criteria for energy savings. Using the best and newest LED and electronic driver technology, the Flow is a popular choice for any project where both a sleek design and new technology are needed.

The Flow is cast aluminum with die formed aluminum parts, CNC machined and tooled for precision. The optical system is full cutoff anti-glare Star Power made of proprietary 95% mirror reflective material.

The Flow comes standard with a 0-10v dimming driver with a power factor of >90. Recommended for replacing up to 250 watts of HID with savings of 70% or more with virtually zero maintenance.

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

Project Name:

Type:

FLW-1 ORDERING GUIDE

Cat#	Light Dist.	# of LEDs	Miliamps	Kelvin	Volts
Flow 1 (FLW-1)	Type 4 (T4)	16 (16L) 32 (32L)	400 (40) 530 (53) 700 (7) 1050 (1) ¹	Amber 585-600nm (AMBER) ^{5, 7, 8} 2700K, 70 CRI (27K7) 2700K, 80 CRI (27K8) ¹ 3000K, 70 CRI (30K7) 3000K, 80 CRI (30K8) ¹ 3500K, 80 CRI (35K8) ¹ 4000K, 70 CRI (40K7) 4000K, 80 CRI (40K8) ¹ 5000K, 70 CRI (50K7) 5000K, 80 CRI (50K8) ¹	120-277 (UNV)

Mounting	Color	Controls Options	Options	Lens Options
Wall Mount (WM)	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)	Button Photocell (PC) ^{3,9} Custom Controls Integration (CCI) ⁴	Marine Grade Finish (MGF) Emergency Battery Back-Up 4W (EM4) Emergency Battery Back-Up 8W (EM8) Emergency Battery Cold Pack 14W (EMCP) 20KA Surge Protector (20K) Dual Circuit (2CT) ^{1,9} Buy American Act (BAA) ⁶ Trade Agreement Act (TAA) ⁶ Build America Buy American (BABA) ⁶	Polycarbonate Lens (PL)

NOTES:

1. 32L Only
2. Consult Factory for Lead Time. Consult Factory for 90 CRI Requests
3. Universal Voltage 120-277
4. Please contact Factory for Custom Control Integration requests
(nLight, NX, WaveLinx, Crestron, DMX/RDM, Synapse, Casambi, Dali II, Avi-On, or other control systems)
5. Turtle Safe
6. Consult factory for all BAA/TAA/BABA requests
7. Consult Factory for Lead Time
8. Not Available above 700mA
9. Photocell or battery pack only operates 1 of the 2 circuits when 2CT is selected.



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

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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°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, 2700, 3000K, 3500K, 4000K, 5000K

CONSTRUCTION

- Cast Aluminum. CNC Die Formed.

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.
- POLYCARBONATE LENS (PL)
- EMERGENCY BATTERY BACK-UP
 - 100-277 VAC \pm 10%, 50/60 Hz Input Voltage
 - 24-48 Hours Recharge Time
 - Battery Type LiFePO4 9.6VDC
 - 90 Minutes Min. Illumination Time
 - Class 2 Output Classification
 - Bi-Color Wet Location Test Switch
- EMERGENCY BATTERY (EM4) - 4W Total Max. LED Powered.
- EMERGENCY BATTERY (EM8) - 8W Total Max. LED Powered.
- EMERGENCY BATTERY BACK-UP (EMCP)
 - 14W Total Max. LED Powered
 - Ambient Operating Temp: -4°F to 122°F
- 20KA SURGE PROTECTOR (20KA) - protects the complete system against nominal surges of up to 20KA. Protection against power surges, storms and lightning strikes.
- Dual-circuit option (2CT) - extra driver included and wired to independently operate LED modules.

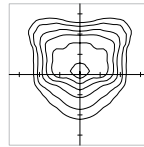
CONTROL OPTIONS

- PHOTOCCELL
- 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 IV (T4)

- 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)

FINISH

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

WARRANTY

Five-year limited warranty for drivers and LEDs.

LISTINGS

- UL Listed

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, or typical or prorated values when measured under internal and external laboratory conditions.



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PRODUCT SPECIFICATIONS

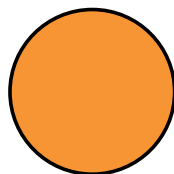
FLOW - LUMEN DATA CHART

PART NUMBER	T4 Lumens	T4 LM/W	Watts
FLW-1-16L-40-27K7	1584	75	21
FLW-1-16L-40-27K8	1484	71	21
FLW-1-16L-40-30K8	1591	76	21
FLW-1-16L-40-30K7	1713	82	21
FLW-1-16L-40-35K8	1591	76	21
FLW-1-16L-40-40K8	1713	82	21
FLW-1-16L-40-40K7	1851	88	21
FLW-1-16L-40-50K8	1713	82	21
FLW-1-16L-40-50K7	1851	88	21
FLW-1-16L-53-30K7	2352	84	28
FLW-1-16L-53-40K7	2436	87	28
FLW-1-16L-53-50K7	2520	90	28
FLW-1-16L-7-30K7	3024	84	36
FLW-1-16L-7-40K7	3132	87	36
FLW-1-16L-7-50K7	3240	90	36
FLW-1-16L-1-30K7	4704	84	56
FLW-1-16L-1-40K7	4872	87	56
FLW-1-16L-1-50K7	5040	90	56
FLW-1-32L-35-30K7	2772	84	33
FLW-1-32L-35-40K7	2871	87	33
FLW-1-32L-35-50K7	2970	90	33
FLW-1-32L-53-30K7	4536	84	54
FLW-1-32L-53-40K7	4698	87	54
FLW-1-32L-53-50K7	4860	90	54
FLW-1-32L-7-30K7	5964	84	71
FLW-1-32L-7-40K7	6177	87	71
FLW-1-32L-7-50K7	6390	90	71

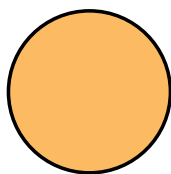
LUMEN MAINTENANCE DATA

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%
	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			

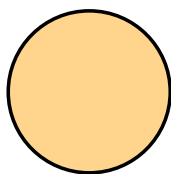
LED KELVIN RANGE



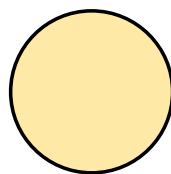
AMBER
585-600 nm



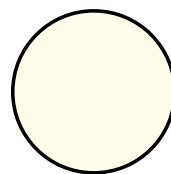
2700K 70 CRI



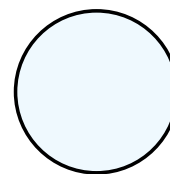
3000K 70 CRI



3500K 80 CRI



4000K 70 CRI



5000K 70 CRI

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

PRODUCT SPECIFICATIONS

Luminaire	A	B	C
FLW-1	9 in	11 in	8 in

