

NLS
LIGHTING

AUTOMOTIVE DEALERSHIP LIGHTING



SAVE 65% ENERGY
+ DOUBLE TO TRIPLE YOUR LIGHT!

AUTOMOTIVE LIGHTING SOLUTIONS

VUE SERIES

Designed for Auto Dealerships, The VUE has a patent-pending Star Power optical system that allows a distinct advantage over its competitors, reduces glare and shows true color to increase night sales.



NV SERIES

A collaboration of form and function. Architectural style meets performance. These combined features reduce energy, utilize minimum number of fixtures while beating IES minimum foot candle levels.



VALUE SERIES

Value Series Square (VSS) – affordable cost and numerous benefits as a long-term lighting solution. VSS outperforms competitors in performance, low energy consumption and durability.





OPTICAL SYSTEMS FOR **AUTOMOTIVE**

Dealers can now save thousands of dollars on new construction costs through a reduction in the quantity of required poles, fixtures and installation costs. While attaining high, uniform light levels along the front line and into the display area. NLS' recessed and concealed Star Power and Silicone Micro Optics are "Shopper Friendly", enabling customers to make their decision to buy without direct fixture glare from nearby or background fixtures.

MADE IN THE U.S.A.

All NLS fixtures are designed, tooled, manufactured and assembled in the United States, adhering to the strictest Made in the U.S.A. requirements.





NV SERIES

OPTICAL ADVANTAGE

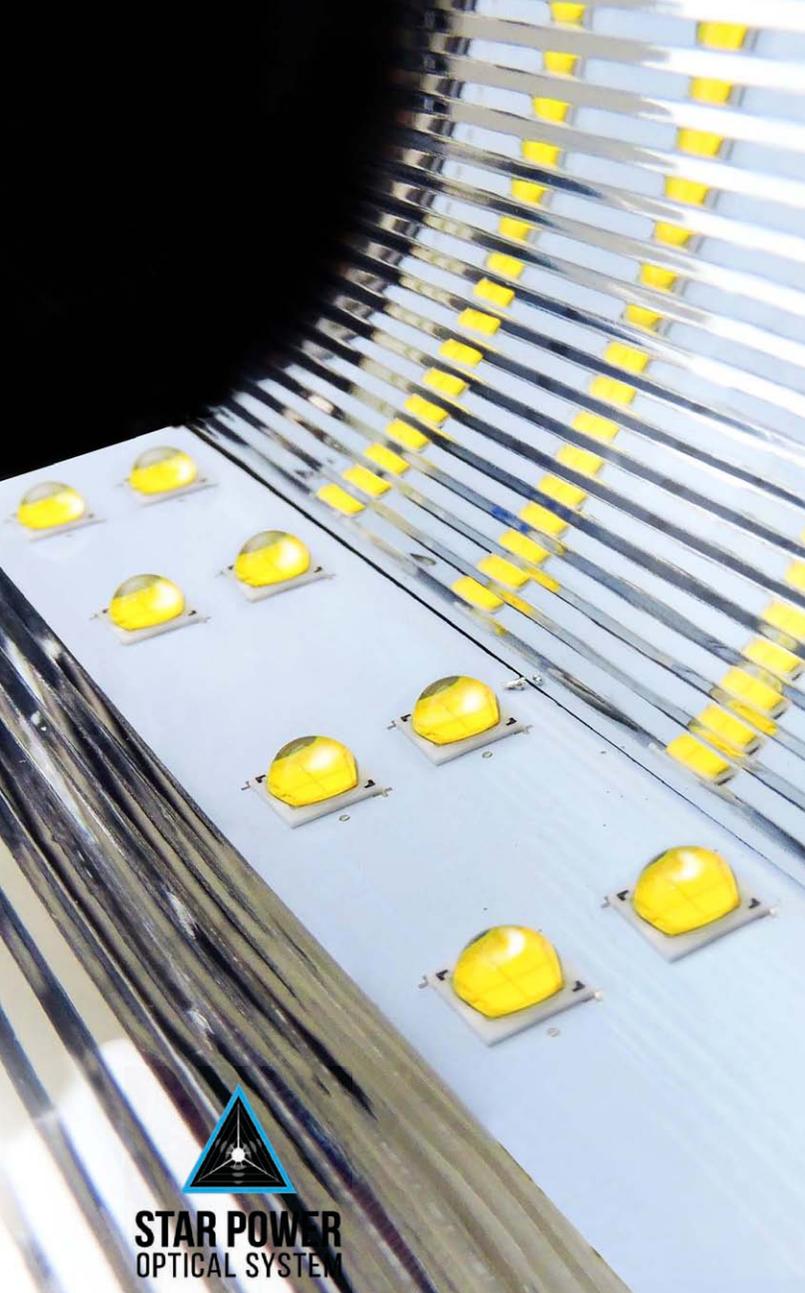
NLS' optical systems combined with custom in-house photometric design capabilities, will provide the optimum optical solution for any application at the lowest cost of energy and maintenance.

COMPETITOR OPTICS

- Optics hang below the surface plane of the fixture
- Visible for hundreds of yards away
- Disrupts neighbors
- Create intense light pollution

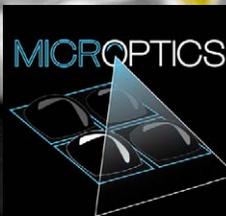
NLS HIDDEN OPTICS

- Full Cut off design; no glare
- Precise uniformity with high vertical and horizontal lumens
- Dark Sky compliant
- Neighborhood friendly



STAR POWER OPTICAL SYSTEM

- Patent pending
- 95% Reflective material
- Utilizes a linear diffused pattern, softening the light distribution and eliminating any dark shadows or striations
- Ecologically friendly
- LED Light Engine is recessed 2-3" inside fixture, promoting a shopper friendly environment



MICRO OPTICS

- Silicone optic withstands harshest weather and dirt conditions
- Exceptional thermal and UV resistance
- Rated up to 200° C, acrylic rated up to 85° C
- No yellowing, cracking or brittleness
- Vandal resistant, no fading or chalking
- Proven and warranted solution
- House Side Shield (HSS) is designed for full cut-off at property line.





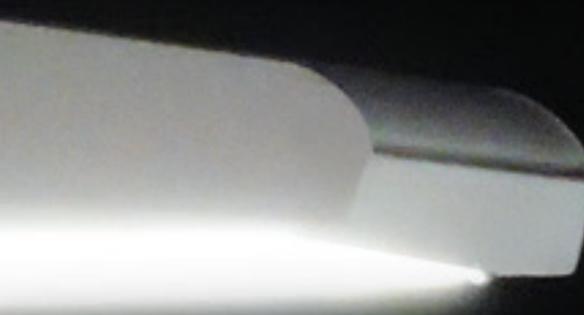
FEATURES + BENEFITS

NLS' AUTOMOTIVE LUMINAIRES...

- ✓ Cast light uniformly, covering a long distance with minimal backlight for the perfect perimeter and lot illumination.
- ✓ Provide the highest levels of vertical light distribution, highlighting vibrant colors and contours of vehicles from bumper to bumper.
- ✓ Are fully customizable optical solutions to angle the beam spread focusing additional amounts of light on individual displays.
- ✓ Take Control. NLS offers a wide range of wired and wireless luminaire control systems.
- ✓ Double to Triple light levels by offering the dealer flexibility, enabling two or three consecutive perimeter display rows.
- ✓ Emit high foot candle levels deep into the lot with large pole spacing of sixty feet without sacrificing light levels.

A night scene featuring a large, illuminated signpost on the left. The signpost has a vertical pole and a horizontal arm with a large, glowing, teardrop-shaped light fixture. The background is dark, with several smaller streetlights visible in the distance, creating a bokeh effect. The overall atmosphere is dark and focused on the illuminated elements.

**SELL MORE
CARS AT NIGHT!**



REDUCE ENERGY BY 65%

+ DOUBLE TO TRIPLE THE LIGHT LEVELS

Your primary goal is to sell cars. Our primary goal is to accomplish this with the smallest number of poles, fixtures and energy, while maximizing your light levels. The team at NLS Lighting has designed and sold hundreds of car dealerships. We take many factors into account, including existing light levels as well as current and potential light levels of adjacent dealerships. Our goal on a retrofit, our mission on every site, is to create a wow factor by reducing energy by 65 percent and achieving up to triple the light levels throughout the dealership. Here at NLS, we understand dealership application efficiency and know that it's not only about the amount of lumens a dealership luminaire has, but where the lumens go.

SHOPPER FRIENDLY OPTICAL SYSTEM

NLS' optics are recessed into the light engine cavity. When optics are located at or below the bottom plane of a luminaire housing, they emit a very significant amount of distracting glare. Our fixtures are designed to have no background glare. Customers can comfortably walk the lot long enough to find the perfect car.

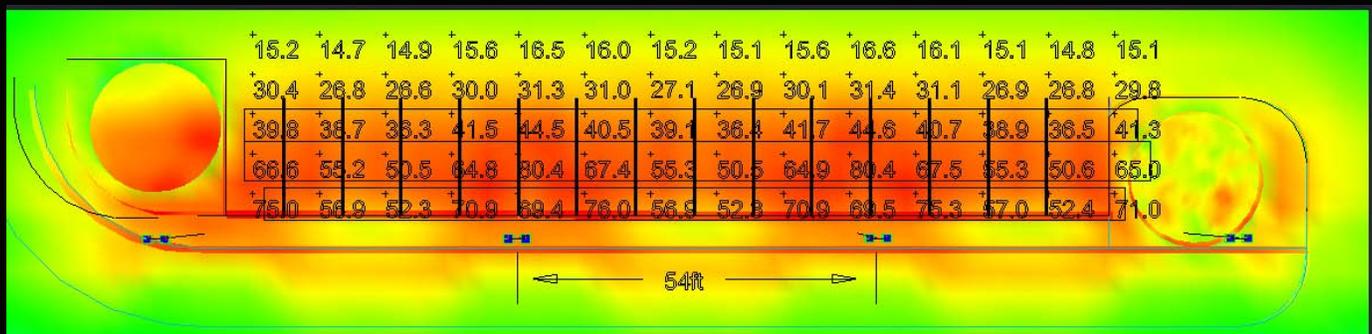


DESIGNED TO PERFORM



HIGH COMPETITION LIGHT LEVELS

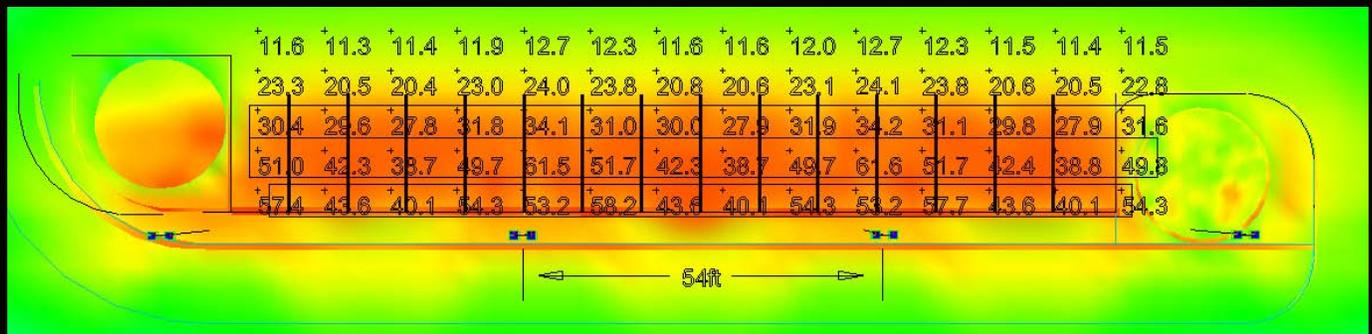
54' CENTERS - DOUBLES - 18'MTG - 594 WATT - CALCS 3' AFF





MEDIUM COMPETITION LIGHT LEVELS

54' CENTERS - DOUBLES - 18'MTG - 458 WATT - CALCS 3' AFF



ARCHITECTURAL COMPATIBILITY

Enhance Today's Dealership Architecture





**UNIFORMITY
+ PRECISION**



BEAUTIFUL ILLUMINATION
DARK SKY + NEIGHBORHOOD FRIENDLY



1 TO 2 YEAR RETURN ON INVESTMENT (ROI)

NLS' fixtures will triple your light and provide up to a two-year payback based on energy and maintenance savings.

VALUE ENGINEERING

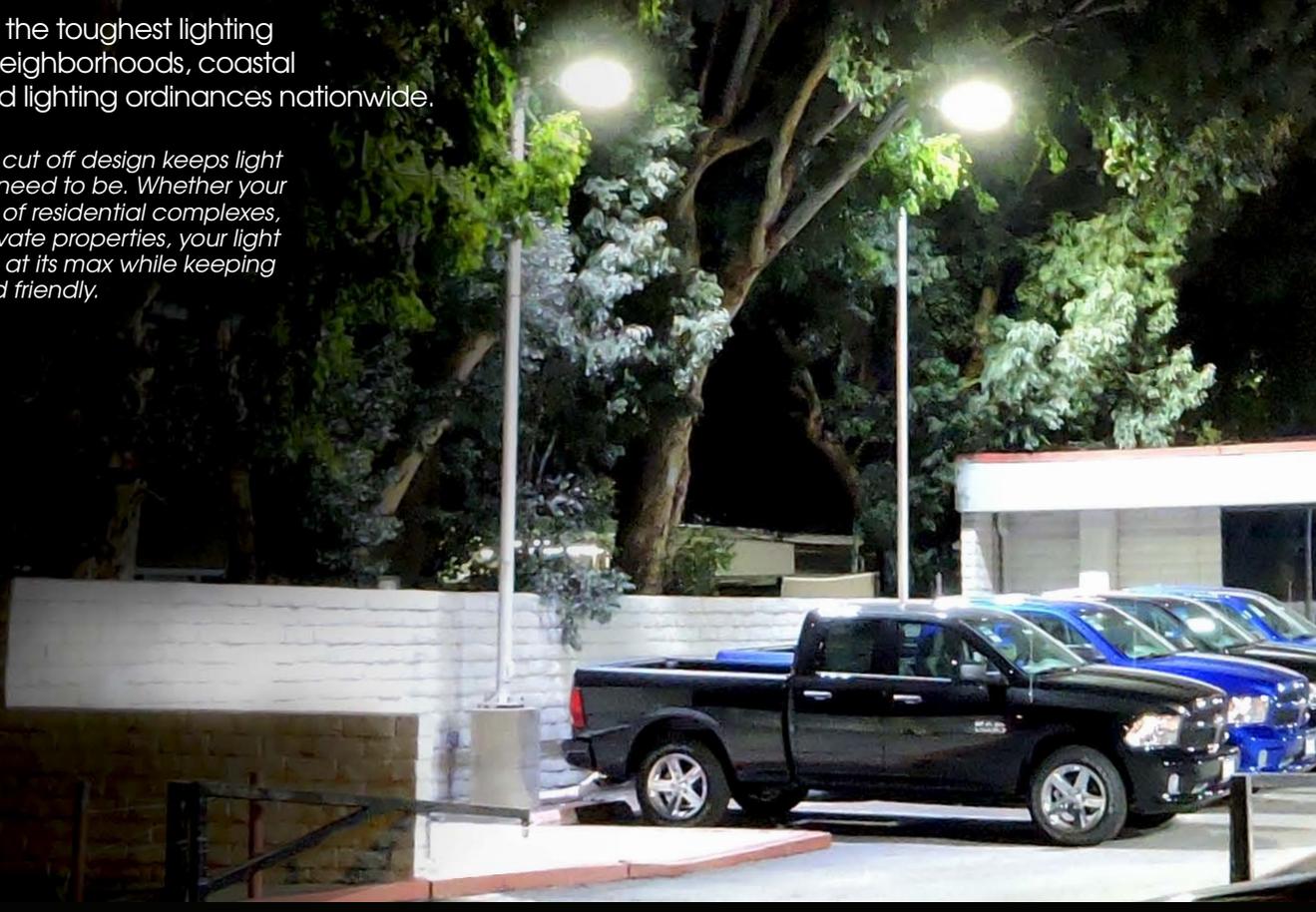
Send us your existing photometric lighting layout and we will equal or surpass the proposed foot candle levels with 15-20% less material and installation costs per dealership by providing the same lighting criteria with less poles and fewer luminaires—typically resulting in an estimated cost savings of \$25,000 to \$50,000 per dealership.

GET APPROVED

ON YOUR NEW CONSTRUCTION PROJECT

The VUE satisfies the toughest lighting municipalities, neighborhoods, coastal commissions and lighting ordinances nationwide.

As Shown: Our full cut off design keeps light levels where they need to be. Whether your perimeters consist of residential complexes, commercial or private properties, your light fixture will perform at its max while keeping you neighborhood friendly.



LIGHT LEVELS

NLS' Automotive product boasts a dynamic electrical, thermal and optical design which increases lumens and lifetime, quality built to last. Our Automotive luminaires perform exceptionally well at low mounting heights ranging from 12 to 18 feet with light levels taken three feet above grade. Performance is graded by high levels of light in the middle between poles that match the light levels under the fixtures. The most efficient designs are with the least amount of poles.

Many municipal codes opt to limit the mounting height of the fixtures so the volume of light above and around the dealership is limited. Municipalities also require fixtures to not be tilted. The International Dark Sky Association (IDA) states that for light fixtures not facing down (tilted) the photons (light). This harms the dark sky and the ability to see stars at night in a natural environment.

When dealing with municipalities, planning commissions and city councils, you can promote NLS' luminaires for your dealership and state that you would be a great neighbor and benefactor to your community. The lights can be mounted at fifteen feet or below. The pole will be spread sixty feet (50% wider than normal) which reduces visual clutter making the dealership more attractive.

LET'S GET TECHNICAL

- Ambient operating temperature of -40°C to +40°C
- Up to 92% energy efficiency
- Fully customizable optical distributions
- High performance LEDs and Driver combinations for consistency and high reliability
- DLC and UL listed
- Wired and Wireless control solutions
- Up to 65,000 lumens
- 25 Year Solution

SAVE BIG

62% Plus Plus Plus
ON LIGHTING!

Ask Us How To...

✓ INCREASE YOUR LIGHTING LEVELS BY 2 TO 3X!!

✓ UTILITY REBATES AVAILABLE

✓ 29 MONTH ROI AVERAGE

✓ NO MAINTENANCE!



BANNER PROOF OPTICS

NLS has specifically designed a Banner Proof optical system that allows dealers to market while maintaining high visibility at night. Many dealerships install large advertising banners on perimeter light poles pointing toward the inside of their lot and block up to fifty percent of light that should distribute onto the front row. NLS' Banner Proof optics provide controlled light distribution around such obstacles and insure photometric readout accuracy between what is forecast and what is installed, including banners.



PROJECT SUMMARY

KEN GRODY FORD DEALERSHIP — 65.7% Energy Savings

NLS tripled the average light levels throughout while saving the dealer over \$1,000,000.

- Replaced (127) 1050 system watt HID fixtures with (91) 452 system watt LED fixtures
- Replaced (2) 420 system watt HID fixtures with (12) 312 system watt LED fixtures
- 88,000 system watts per hour saved

“The lights look awesome. They’re nice and bright and I am very pleased.”

Eric Romanoff, GM

KEN GRODY FORD DEALERSHIP | Buena Park, CA

GET YOUR SPARKLE ON!





NLS
LIGHTING

INTELLIGENT LIGHT + PERFORMANCE[®]

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