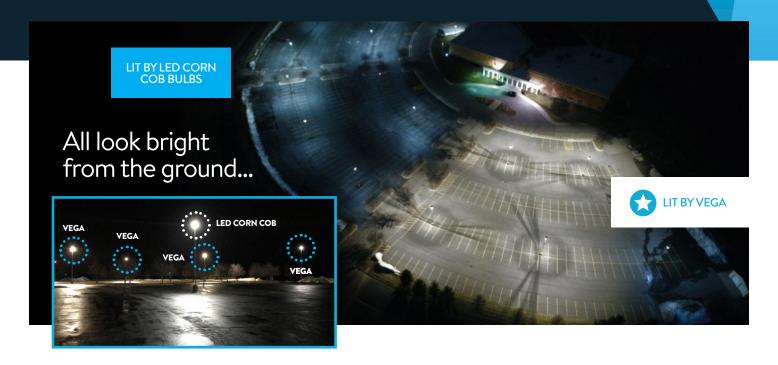
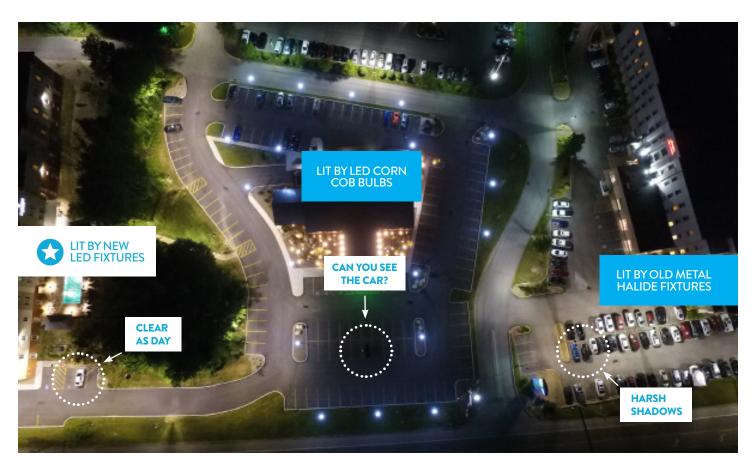
A Difference You Can See









VEGA Outperforms & Outlasts the Others

VEGATOP 5 PROJECTS

| CUSTOMER | PRODUCT | TOTAL QUANTITY | TOTAL FAILED | FAILURE PERCENT | YEARS IN FIELD | UTILITY |
|---------------------------------|---|-------------------|-----------------|--------------------|----------------|------------------------------------|
| CITY OF CHICAGO | D4 & D4A | 55,028 | 12 | 0.02% | 7 | COMED |
| CITY OF JACKSONVILLE FLORIDA | C5 | 14,844 | 0 | 0.00% | 7 | JACKSONVILLE ELECTRIC AUTHORITY |
| FLORIDA DOT | LED SIGN KITS | 15,000 | 49 | 0.33% | 11 | NA |
| CITY OF HAMMOND INDIANA | D4 | 4,990 | 6 | 0.12% | 6 | NIPSCO |
| | • | | | | | |

TOTALS 93,247

57 **0.07**%

ACTUAL FAILURE RATE

SAVINGS

Designed light levels at much lower wattage



SAFETY

Reduced glare & maximum coverage



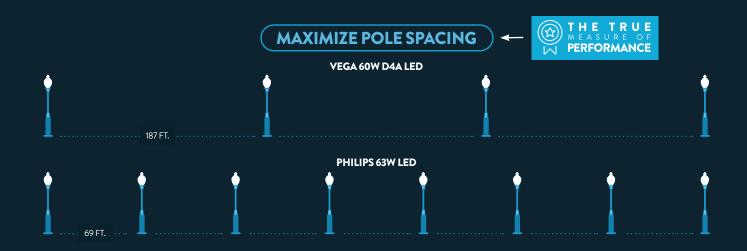
TROUBLE FREE

Low glare, light coverage, & high reliability reduces phone calls



ENVIRONMENT

Minimum wattage, low glare & reduced uplight



THE NUMBER THAT Ranked Performance Inside Globe **REALLY MATTERS** GLOBE LUMEN OUTPUT MAX POLE SPACING (FT) LIGHT SOURCE WATTAGE LPW 61 **VEGA D4A LED** 8,825 145 187 190 HADCO 150W HPS 15,348 81 163 175W METAL HALIDE 14,543 218 67 HOLOPHANE GRANVILLE II 60W 7.643 60 127 125 AMERLUX 68W RETROFIT 6,242 68 92 125 LUMECON RING OF FIRE 4,572 58 79 98 63 96 **KEYSTONE 63W LED** 8,382 133 PHILIPS 63W LED 8,230 63 131 69 EYE LIGHTING 50W LEDIOC 5.524 53 105

NOTES: ALL LAYOUTS PERFORMED IN AGI32 USING ROADWAY OPTIMIZER, DECEMBER 2019. LAYOUTS PERFORMED TO IES RP-08, ILLUMINANCE 0.6 FC AVG, 6:1 AVG/MIN. ABOVE PERFORMANCE DOES NOT INCLUDE A LIGHT LOSS FACTOR (LLF = 1.0).



