



November 1, 2018

Planning Board Members  
Town of West Seneca  
1250 Union Road  
West Seneca, NY 14224

**Re: Lighting Impact for Royal Car Wash**

Dear Board Members:

The Royal Car Wash will utilize a limited number of LED fixtures for site security and operations. The LED lights are a relatively new technology that offer several advantages compared to traditional Metal Halide lights which are prevalent at most commercial uses along Transit Road. First, they consume less electricity and have less impact to the environment in terms of energy. Second, the lighting is far more controlled and directional. That being said, the lighting can easily be directed into the site, away from neighbors using the "Neighbor Friendly Optic" which eliminates unwanted backlight. A copy of specifications are attached for reference.

As a supplement to the Site Plan Application, a revised lighting plan has been resubmitted to demonstrate that the proposed lighting will not impact the neighboring properties.

Please contact me directly if you have any further questions. Thank you.

Sincerely,

A handwritten signature in black ink that reads 'Jess Sudol'.

Jess D. Sudol, PE, CPESC, CPSWQ  
Vice President

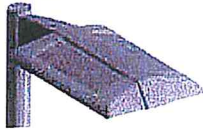
JDS:paf  
Enclosures

cc: File  
Anthony Daniele

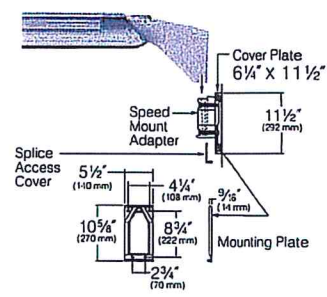
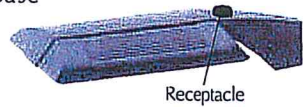
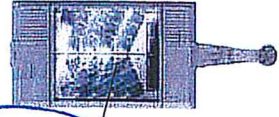
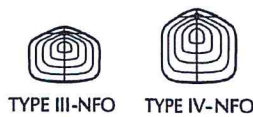
Type:

Job:

Page: 3 of 5



## Optional Features

<p><b>Finish</b>        TGIC powder coat.</p>	<p>Color:    Black    Dark Bronze    Stealth Gray    Platinum Silver    White    Custom Color<sup>1</sup>        Cat. No.:   <input type="checkbox"/> <b>BL</b>    <input type="checkbox"/> <b>DB</b>    <input type="checkbox"/> <b>SG</b>    <input type="checkbox"/> <b>PS</b>    <input type="checkbox"/> <b>WH</b>    <input type="checkbox"/> <b>CC</b></p> <p><sup>1</sup>Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description: _____</p>
<p><b>Wall Mounting</b>        Cat. No. <b>1SW</b>        Select from Mounting on page 2.</p>	<p>The Altitude™ easily mounts to the wall. A cast aluminum mounting plate is attached to the wall over the junction box. Bolt the Speed Mount to the cover plate. Then install the assembly over the mounting plate. Slide the luminaire into place for hands free wiring and finishing.</p> 
<p><b>Fusing (internal only):</b>        Cat. No.    <b>(see chart at right)</b>  <input type="checkbox"/> <b>No Option</b></p>	<p>High temperature fuse holders factory installed inside the fixture housing. Fuse is included.</p> <p>Cat. No.:    <input type="checkbox"/> <b>SF</b> for 120, 277 and 347 Line Volts                      <input type="checkbox"/> <b>DF</b> for 208, 240 and 480 Line Volts</p>
<p><b>Photocell Receptacle</b>        Cat. No.    <input type="checkbox"/> <b>A26</b>  <input type="checkbox"/> <b>No Option</b></p>	<p>Rotatable photocell receptacle provided for NEMA base photocell (by others).</p> 
<p><b>Lenses</b>        Cat. No.    <input type="checkbox"/> <b>FGL</b> (Glass)  <input type="checkbox"/> <b>FPL</b> (Polycarbonate)  <input type="checkbox"/> <b>No Option</b></p>	<p>One-piece flat glass or polycarbonate lens slips into reveal. Extra silicone gasketing will be provided to retain a clear optical compartment. (Only available for 350mA systems).  <b>CAUTION:</b> Use only when vandalism is anticipated to be high.</p> 
<p><b>Neighbor Friendly Optic:</b>        Cat. No.    <input type="checkbox"/> <b>NFO</b>  <input type="checkbox"/> <b>No Option</b></p>	<p>Integrated Neighbor Friendly Optic on each PicoPrism™ module to completely control unwanted backlight. Most effective with Type III and IV distributions.</p> 

Type:  
Job:  
Catalog number:

Approvals:

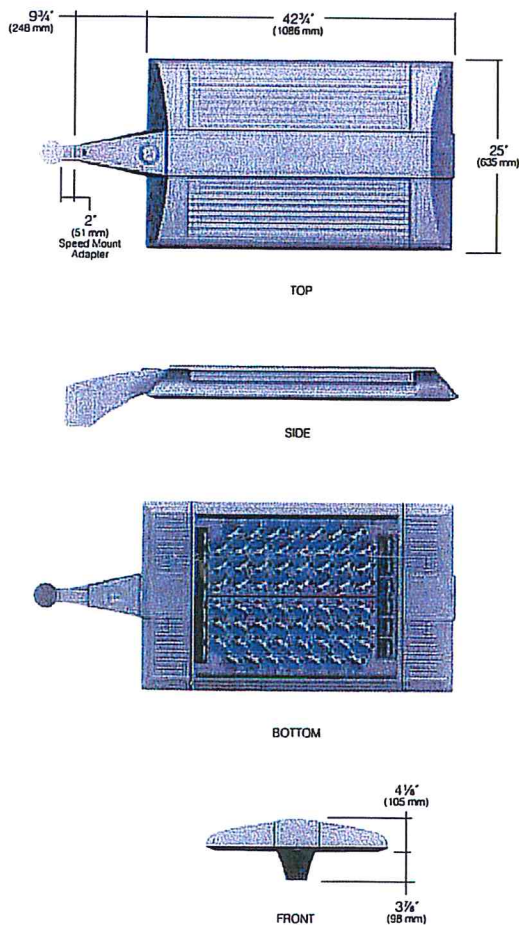
Mfg. Fixture Electrical Module Finish Options  
See page 2 See pages 3-4

Ordering Example: 1SA/ALT3P35/300L5K277/WH/A26  
Select pole from Kim's Arms and Poles Selection Guide. If pole is provided by others indicate O.D. for arm fitting.

Date:  
Page: 1 of 5

## Specifications

ALT300  
Approx. Wt. = 67 lbs.



**Housing:** One piece, low copper, aluminum extrusion is mechanically secured with stainless steel fasteners to low copper aluminum die-cast electrical compartment and end cap. The electrical compartment includes an integral support arm for mounting directly to a surface mount pole adaptor or a horizontal slipfitter. A solid barrier wall separates the optical and electrical compartment for thermal control. Electrical compartment and end cap covers are securely fastened with two hinges and a single latch at each cover. One piece silicone gaskets seal the compartments at the barrier surface.

**Optical Module:** The high performance optic utilizes the IP66 rated PicoPrism™ technology securely attached to internal heat sink modules producing incredible uniformity and visual comfort. This PicoPrism optic utilizes a canted prism lens aimed toward the task and spreads horizontally to produce high lumen output as well as great uniformity. All the optical modules are fastened to the body of the luminaire across the center as well as around the perimeter.

**Electrical Compartment:** Input voltage is 120V through 480V @ 50/60Hz. Class 2 output with power factor >0.9 at full load in accordance with the National Electrical Code, ANSI/NFPA 70. Integral 10kV surge suppression protection standard. To address inrush current, slow blow fuse or type C/D breaker should be used. All electronic components are UL and CSA recognized and mounted directly to a driver tray for maximum heat dissipation and modularity. Module includes a driver, LifeShield® temperature control device and surge protector. Driver is rated for -40°C starting and has a 0-10V dimming interface for multi-level illumination options. All electronic components are IP66 rated. 347V and 480V currents supplied with step-down transformer.

**Support Arm:** Die-cast, low copper aluminum with splice access cover and tool-less entry. A die-cast pole adaptor and an internal reinforcing plate are provided with wire strain relief. Arm adaptor is circular cut for specified round pole. For field wire connections, a terminal block is mounted in the arm cavity and accessible behind the splice access cover. Accepts #14 to #8 wire sizes and is factory prewired to electrical module quick-disconnect plug inside the electrical compartment.

**Optional Horizontal Slip-fitter:** Cast low copper aluminum with stamped, splice access cover. A die-cast adaptor plate is provided to secure the luminaire to 1-1/4" to 2" IPS pipe size arms. For field wire connections, a terminal block is mounted in the arm cavity and accessible behind the splice access cover. Accepts #14 to #8 wire sizes and is factory prewired to electrical module quick-disconnect plug inside the electrical compartment.

**Optional Wall Mount:** The Altitude easily mounts to the wall. A cast aluminum mounting plate is attached to the wall over the junction box. Bolt the Speed Mount to the cover plate. Then install the assembly over the mounting plate. Slide the luminaire into place for hands free wiring and finishing.

**Finish:** Each luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat finish. Standard colors include (BL) Black, (DB) Dark Bronze, (WH) White, (PS) Platinum Silver, (SG) Stealth Gray, (LG) Light Gray, and (CC) Custom Color (Include RAL#).

**Listed to:** UL 1598 Standard for Luminaires - UL 8750 Standard for Safety for Light Emitting Diode (LED) Equipment for use in Lighting Products and CSA C22.2#250.0 Luminaires. RoHS compliant. Meets Buy American provisions within ARRA.

**CAUTION:** Fixtures must be grounded in accordance with national, state and/or local electrical codes, Failure to do so may result in serious personal injury.

KIM LIGHTING RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.



US Patent Numbers D674,950 S and D674,965 S.  
Other Patents Pending.