

Product Evaluation

RE: Review of Review of Roadstar RoadFocus LED Luminaire

PRODUCT

Roadstar RoadFocus LED luminaire is manufactured by Philips Lighting Canada located in Boisbriand, Quebec and distributed by LSW Lighting Agencies Ltd located in Edmonton, Alberta. Website: <http://www.lighting.philips.ca/products/product-highlights/roadfocus.html>

VENDOR CLAIMS AND INFORMATION

CLAIMS

Roadstar RoadFocus LED Luminaire is designed to replace 70-400W HID luminaires and provides uniform, high performance LED illumination. In addition to enhanced light output with excellent uniformity, RoadFocus LED luminaires can help to drive cost and workflow efficiencies.

DESCRIPTION

Roadstar RoadFocus LED Luminaire housing is made of a low copper die cast aluminum alloy (A360), 2.5mm minimum thickness. The Light Engine is composed of 4 main components LED Module/Optical System/Heat Sink/Driver. Electrical components are RoHS compliant, IP66 sealed light engine equipped with Philips Lumileds LUXEON T LEDs. The Optical System is composed of high performance optical grade polymer refractor lenses to achieve desired distribution optimized to get maximum spacing. System is rated IP66.

POTENTIAL USAGE

Roadstar RoadFocus LED Luminaire familiar cobra head aesthetics by day; powerful 70-400W HID replacement illumination at night; seamless installation in new and existing areas across all roadway applications.

STANDARDS

UL 1598, Luminaires
UL 8750, Light Emitting Diode Light Sources for use in Lighting
CSA C22.2 No. 250.0-08, Luminaires

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has used this product in multiple projects

APPLICABLE STANDARDS

Alberta Transportation Standard Specification 2.25 Street Lighting
Alberta Transportation Highway Lighting Guide

RECOMMENDATIONS

Roadstar RoadFocus LED Luminaires be listed as a Proven Product under Alberta Transportation Products List, Electrical Equipment – Street Lighting Luminaires – Proprietary, based on the information provided and the performance of this product at the trial sites.

RESTRICTIONS ON USE

Caveat: Street Lighting LED Luminaires must have Correlated Color Temperature (CCT) of 4000K +/- 300k only and LED Luminaires must ensure minimum average luminance level of 0.60 cd/m².

TRIAL PROJECTS

Roadstar RoadFocus Large (Model No. RFL-241W112LED4K-T-R3M, RFL-215W96LED4K-T-R3M) is installed at various locations in Central and North Central Regions

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