

OSQ Series

OSQ™ LED Billboard Luminaire featuring Cree TrueWhite® Technology – Medium

Product Description

The OSQ™ billboard luminaire combines high performance, low maintenance and ease of installation in a cost effective package for the outdoor advertising market. Cree's patented NanoOptic® Precision Delivery Grid™ optic provides high illumination and superior uniformity on the board, apron and extensions. Cree's TrueWhite® Technology provides superior color rendering for clarity, vividness and contrast of the billboard image resulting in increased visual impact while saving up to half of the energy of traditional metal halide technology.

Application: Billboards

Performance Summary

Utilizes Cree TrueWhite® Technology

NanoOptic® Precision Delivery Grid™ optic

Made in the U.S.A. of U.S. and imported parts

CRI: 90 CRI

CCT: 5000K (+/- 300K)

Limited Warranty*: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

*See www.cree.com/lighting/products/warranty for warranty terms

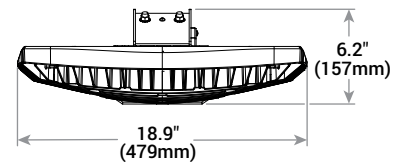
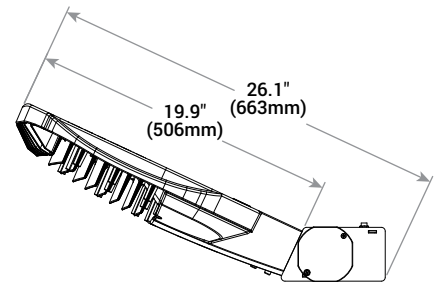
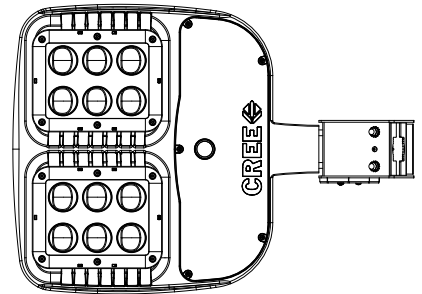
Ordering Information

Fully assembled luminaire is composed of two components that must be ordered separately:

Example: **Mount:** OSQ-F25SV + **Luminaire:** OSQ-NM-WSN-J-50K9-UL-SV-BB

Mount (Luminaire must be ordered separately)		
OSQ-F25	SV	
OSQ-F25 25' Fixed	Color Options:	SV Silver

Luminaire (Mount must be ordered separately)							
OSQ	NM	WSN	J	50K9	UL	SV	BB
Product	Mounting	Optic	Input Power Designator	CCT	Voltage	Color Options	Configuration
OSQ	NM No Mount	WSN Wide Sign	J	50K9 5000K, 90 CRI	UL Universal 120-277V	SV Silver	BB Billboard



Weight
26.5 lbs. (12kg)



Rev. Date: V1 12/01/2015



US: www.cree.com/lighting

T (800) 236-6800 F (262) 504-5415

Canada: www.cree.com/canada

T (800) 473-1234 F (800) 890-7507

Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high performance heat sink
- Carbon steel mounting arm is fixed at 25 degrees, and mounts to 1.5" (38mm) square or 1.66" (42mm) O.D. round tubing
- Mounting arm serves as junction box
- Designed for uplight applications only
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with a silver ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion
- **Weight:** 26.5 lbs. (12kg)

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C/D breaker should be used

REGULATORY & VOLUNTARY QUALIFICATIONS

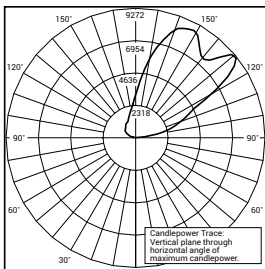
- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 1.5G normal vibration standards
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- RoHS Compliant. Consult factory for additional details

Electrical Data*					
Configuration	System Watts 120-277V	Total Current			
		120V	208V	240V	277V
BB	139	1.22	0.68	0.59	0.52

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V +/-10%

Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory



RESTL Test Report #: PL07180-001
OSQ-**-WSN-50K9-J-UL-BB w/OSQ-F25
Initial Delivered Lumens: 14,550

Wide Sign Distribution	
Configuration	5000K
	Initial Delivered Lumens*
BB	14,550

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens