

SMS6 4' or 2'

STAINLESS STEEL SERIES

LED Surface Mount Luminaire Ceiling/Wall Vandal Resistant



We reserve the right to revise the design or components of any product without notice.

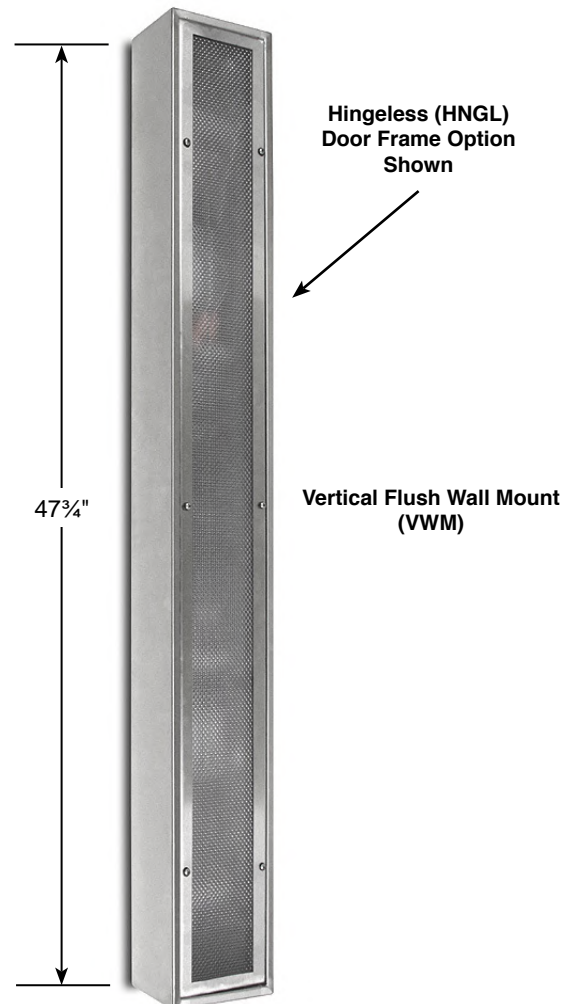
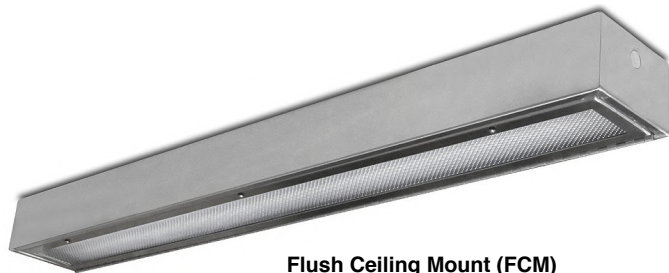
CATALOG #		TYPE
PROJECT/LOCATION		
APPROVED BY		

SPECIFICATIONS

- **HOUSING** — 18 gauge 304 stainless steel. Die formed with seam welded and ground smooth construction. Provided with three 7/8" trade size knockouts (one on top and one on each end of housing. Offered in 2' and 4' versions.
- **DOOR-FRAME** — 18 gauge 304 stainless steel. Die formed with seam welded and ground smooth construction. One piece in-lay style securely holds lensing and LED filters via 304 stainless steel hold downs. Corners are welded and ground smooth to provide water tight construction.
- **HINGE** — 304 stainless steel piano hinge, secures door-frame flush into recessed housing flange. Hinge is riveted to the housing while door-frame mechanically attaches to hinge for easy replacement.
- **LENS** — High impact Vandal Resistant, 0.187" thick Clear Prismatic Polycarbonate (standard). Lensing is sealed into door-frame with durable and long lasting neoprene and/or EPDM gasketing, for water tight application. (Optional) LED diffusion layer (GC) removes LED image and striations, refer to lensing options.
- **REFLECTOR** — 20 gauge die formed aluminum, dual internal linear reflectors painted high white with an LRV of 95%. Increases luminaire delivered efficiency by recollecting and reflecting all spill light out of the luminaire aperture.
- **GASKETING** — UL Recognized, Neoprene Closed Cell gasketing used for sealing door-frame to housing.
- **HARDWARE** — All supplied mechanical hardware is corrosion resistant stainless steel. All internal threads are applied with thread locking cement to prevent loosening from vibrations. Tamper-proof security screws are provided for door-frame lockup to housing. Captive fasteners fasten and secure the LED reflector assembly for easy access during maintenance of drivers and fuses.
- **FINISH** — Housing and Door-frame finished in natural satin no.4, housing furnished raw.
- **MOUNTING** — Eight point, surface mount (via contractor supplied hardware).
- **DRIVERS** — UL Listed, Universal voltage drivers (120 thru 277V) with 0-10V dimming capability. FCC Class A compliant with a minimum power factor of 0.90%. Drivers have a minimum starting temperatures of

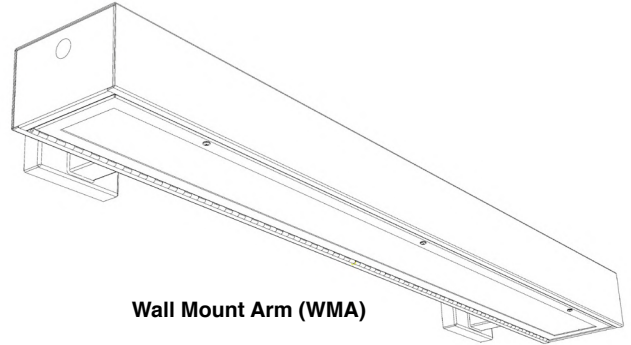
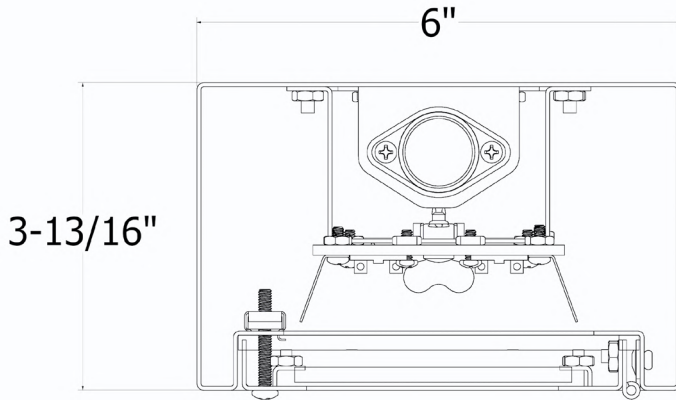
-30°C. (Drivers by Philips Advance, Thomas Research Products, Osram or Inventronics).

- **LEDS** — LED arrays offered with Samsung, Philips Lumileds or Nichia discreet chips. Minimum CRI > 80. Correlated color temperature offered is 4000K & 5000K. Wires connections are soldered to prevent disconnection from vibrations. LED arrays are secured to a removable 1/8" thick aluminum plate with tested thermal management and easy replacement for future maintenance.
- **OPERATING TEMPERATURE** — 40°C Ambient.
- **WIRING** — All wiring rated for 1000V.
- **OPTIONS** — The SMS6 can alternatively be ordered in Cold Rolled Steel (CRS) construction with Sky White Polyester Powder Coat Finish. See options section on page 2 for additional options.
- **COMPLIANCE** — Built to comply with US and Canadian safety standards. Suitable for wet location. 3G Vibration Certified. IP65 Rated.
- **MADE IN USA** — The products listed are manufactured in the U.S. and comply with the Buy America / Buy American Act requirements for Transit systems as prescribed in: 49 U.S. C§ 5323(j)/49 CFR Part 661.
- **WARRANTY** — 5 Year Limited Warranty is Standard.



APPLICATIONS

- TRANSPORTATION APPLICATIONS
 - ATHLETIC FACILITIES
 - NATATORIUMS / PUBLIC POOLS
 - SCHOOLS
 - LOCKER ROOMS
 - HOSPITALS
- PUBLIC HOUSING COMPLEXES
 - ROADWAY UNDERPASSES
 - STAIRWELLS
 - TRUCK DOCKS
 - VANITY
 - ASSISTED LIVING



ORDERING GUIDE:

Series	Length	Mounting	Model	CCT	Voltage	Options

SERIES
 Note: Minimum Order Quantity = 25pcs
 SMS6 = Stainless Steel Surface Mount Luminaire

LENGTH
 2' = 6" Wide x 24" Length
 4' = 6" Wide x 48" Length

MOUNTING
 FCM = Flush Ceiling Mount*
 HWM = Horizontal Flush Wall Mount*
 VWM = Vertical Flush Wall Mount*
 WMA = Wall Mount Arm
 *NOTE: FCM, HWM, VWM are 8-Point Mounting

MODEL
 LED25 = (2')25 Watt
 LED30 = (2')30 Watt
 LED45 = (4')45 Watt
 LED72 = (4')72 Watt

LED COLOR TEMPERATURE (CCT)
 3K = ±3000K Range LED
 35K = ±3500K Range LED
 4K = ±4000K Range LED
 5K = ±5000K Range LED

VOLTAGE
 UNV = Universal Volt (120-277v) Electronic Driver

LENS OPTIONS
 81 = 0.156" Thick, Clear Prismatic Polycarbonate
 82 = 0.187" Thick, Clear Prismatic Polycarbonate
 GC = Glare Control Optic, Controls Pixilation and produces a softer Distribution. (Ordered in addition to other lensing)

OPTIONS
 2D7 = 2 Drivers, 120-277V, 0-10 Dimmable
 9002 = Tamperproof Screwdriver
 AM = Anti-Microbial Finish
 ASH = All Stainless Steel Hardware
 — (Includes Screws, Nuts, PEMS & 1/4" Turn Fasteners.)
 BL1 = Bi-Level Light (High/Low)
 — Single AC Input Feed, with Switch Sensor (Required)
 BL2 = Bi-Level Light (High/Low)
 — Wired for Dual AC Input Feeds
 CRS = 18 Gauge Cold Rolled Steel Construction
 — (Housing, Doorframe, Hinging and Internal bracketry)
 — All parts finished in Sky White Polyester Powder Coat.
 D7 = 0-10V low-voltage LED Dimming (100-30% Standard, Consult Factory for alternative Deep Dimming Options)
 EPX = Epoxy Coated Housing
 FUSE = Single Inline Fusing
 HNGL = Hingeless Door Frame (Supplied with 6-Security Screws)
 MSI = Motion Sensor Integral, Single Circuit: ALL ON / ALL OFF
 NAT = Natatorium Construction
 SS = 18 Gauge 304 Stainless Steel Housing (Standard)
 — (Ceiling side faces finished in Natural Satin No.4 Finish).
 316SS = 18 Gauge 316 Stainless Steel Housing (Optional)
 — (Ceiling side faces finished in Natural Satin No.4 Finish).
 TP = Center Pin Reject style Security Lock-up screws for door frame.
 — 18-8 Stainless Steel.
 WH = White Finish (Optional)
 — Consult Factory for Other Finishes and Minimum Order Qty

EMERGENCY BATTERY OPTIONS
 No onsite Emergency Power (AC or DC) is provided
 Specify Fixture Voltage: 120V or 277V Power Feed
 A=120V or B=277V
 Meets California Energy Commission Title 20:
 (CEC-400-2014-009-CMF) Efficiency Standards
 EL4W = Integral LED 4 Watt — 500 Lumens
 EL8W = Integral LED 8 Watt — 1000 Lumens
 EL16W = Integral LED 16 Watt — 2000 Lumens

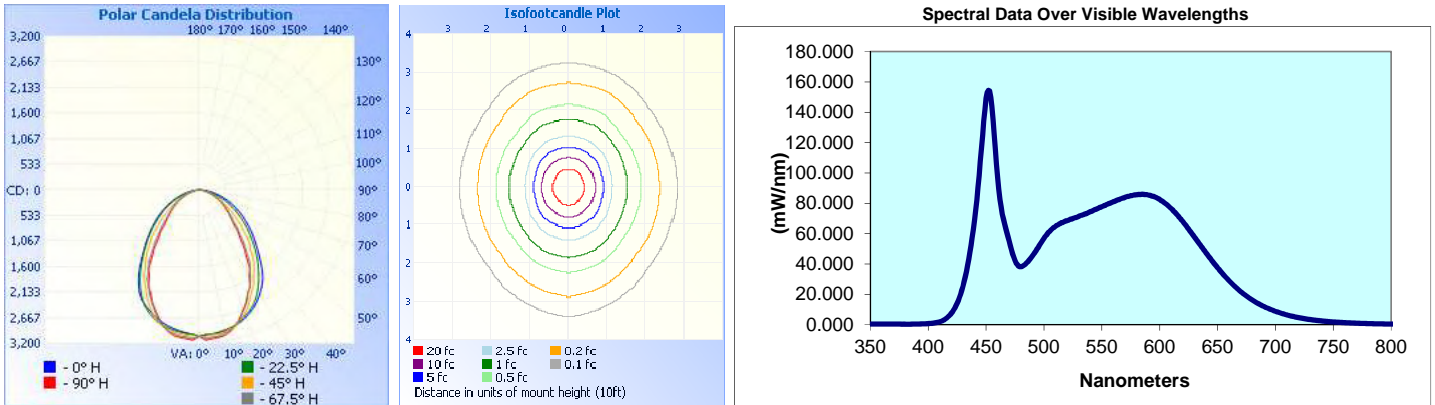
PHOTOMETRIC DATA

Test # 103096176CHI-003

CATALOGUE #: RFS6-SMS6-4-LED72-5K-EBU-82-D7

Test Date: 9/27/2017 — Tested in accordance with LM-79-80. The results contained in this summary report pertain only to the tested sample.

Summary of Results								
Lamp Output	Lumen Efficacy	Input Voltage	Input Current	Input Wattage	Power Factor	Delta UV (Duv)	Color Temp	CRI
6388 Lumens	93.36 LPW	120.0V	580.2 mA	68.42W	0.982	0.0005	5356K	85.0



PHOTOMETRIC DATA

Test # 102063649LAX-002A

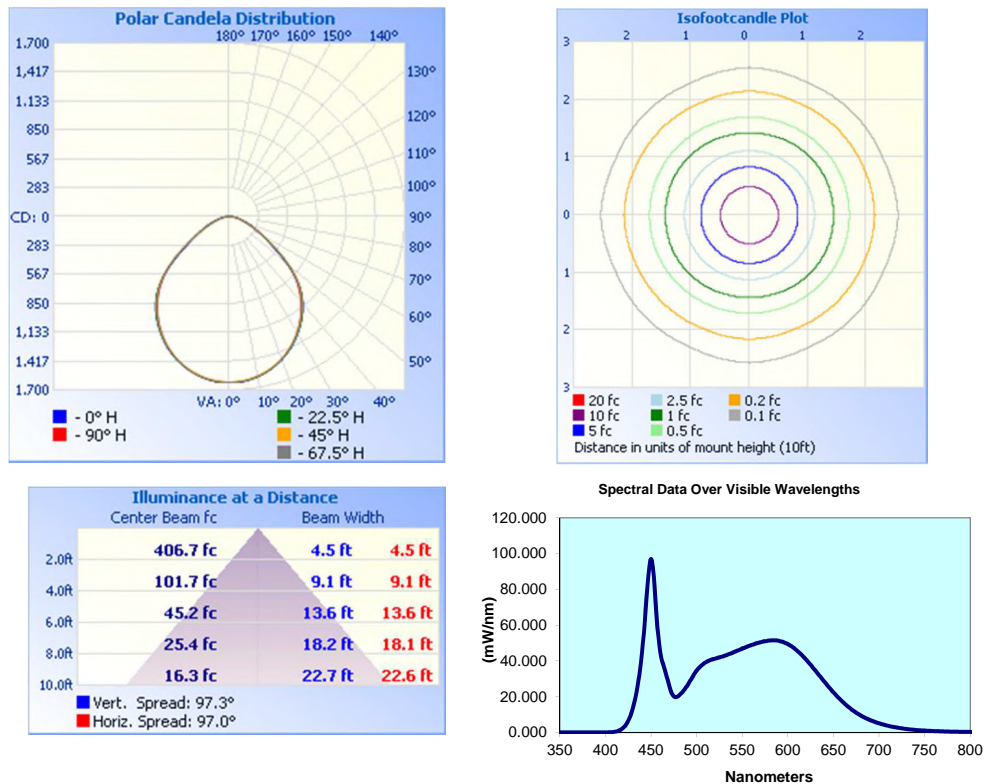
CATALOGUE #: SMS6-LED40-5K-EBU-D7-GC (With Glare Control Shield)

Test Date: 3/30/2017

Tested in accordance with LM-79-80. The results contained in this summary report pertain only to the tested sample.

Electrical Test Conditions						
Temp	Voltage	Current	Power	Power Factor	Current THD	BUG Rating
25°C (±1°C)	120.0	389.4mA	46.18W	0.979	11.66%	B2-U0-G1

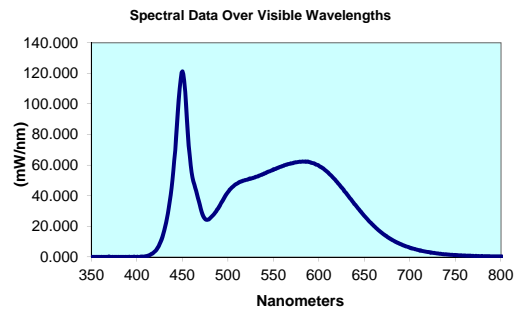
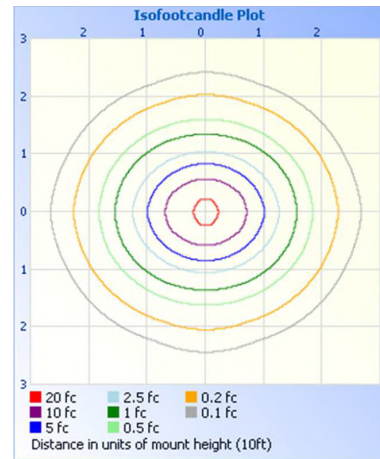
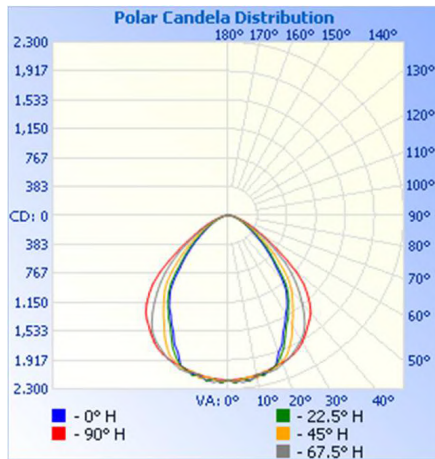
Summary of Results		
IES Classification	Type VS	
Total Lumen Output	3820 Lumens	
Efficacy (Lm/W)	82.72 Lm/W	
CRI	83.7	
CCT	5215K	
Duv	0.001	
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1239	33.9
0-40	1998	54.7
0-60	3223	88.2
60-90	431.9	11.8
0-90	3655	100.0
90-180	0.0	0.0
0-180	3655	100.0
Chromaticity Coordinates		
Chromaticity (x)	0.339	
Chromaticity (y)	0.347	
Chromaticity (u')	0.209	
Chromaticity (v')	0.481	



Tested in accordance with LM-79-80
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Summary of Results		
IES Classification	Type VS	
Total Lumen Output	4641 Lumens	
Efficacy (Lm/W)	101.4 Lm/W	
CRI	83.8	
CCT	5320K	
Duv	0.001	
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1676	37.9
0-40	2638	59.6
0-60	3986	90.1
60-90	438.9	9.9
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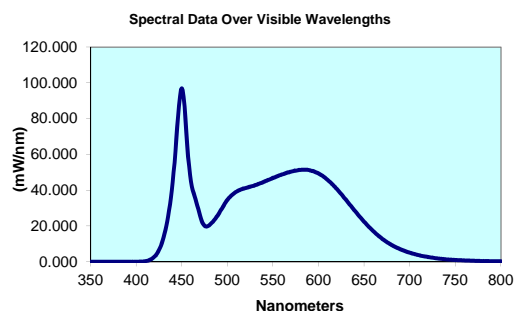
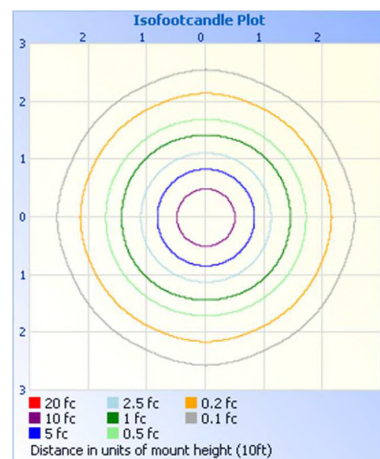
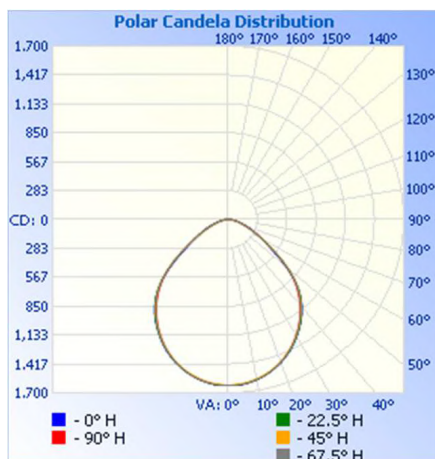
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