

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		

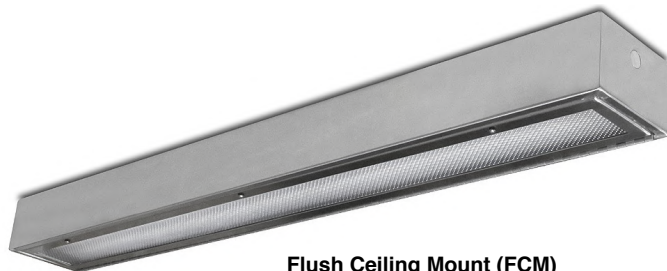
SPECIFICATIONS

• **MINIMUM ORDER QUANTITY — MOQ of 25pcs.**

- **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).

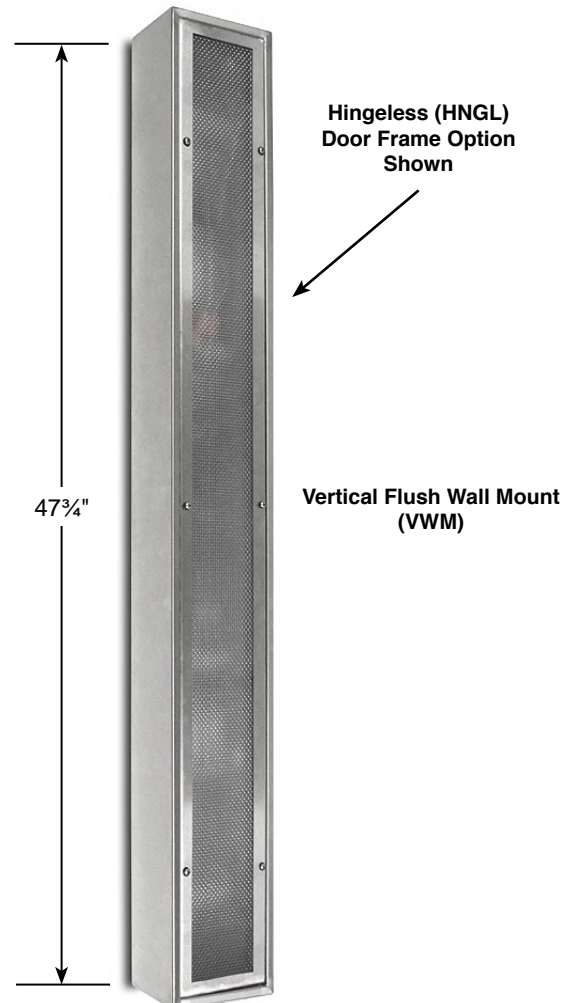
- **LEDS** — LED arrays offered with Samsung, Philips Lumileds or Nichia discrete chips. Minimum CRI > 80. Correlated color temperature offered is 4000K & 5000K. Wires connections are soldered to prevent disconnection from vibrations. LED arrays are secured to a removable 1/8" thick aluminum plate with 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 Build America/Buy America Act (BABA) requirements for Transit systems as prescribed in: 49 U.S. C§ 5323(j)/49 CFR Part 661.
- **WARRANTY** — 5 Year Limited Warranty is Standard.



Flush Ceiling Mount (FCM)



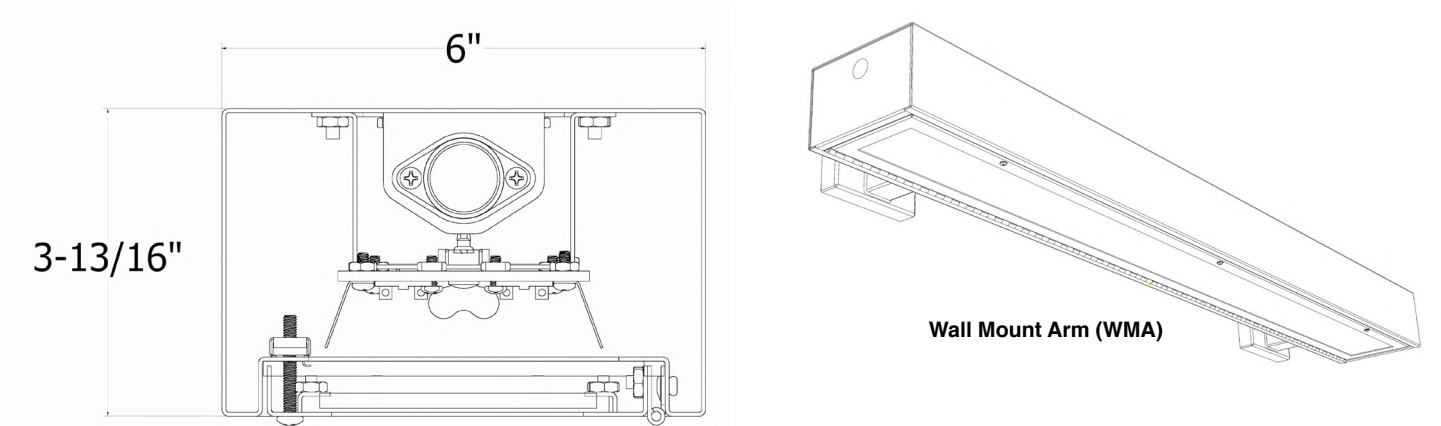
Horizontal Flush Wall Mount (HWM)



Vertical Flush Wall Mount (VWM)

APPLICATIONS

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



Series	Length	Mounting	Model	CCT	Voltage	Options
ORDERING GUIDE:						

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)
OCC = 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

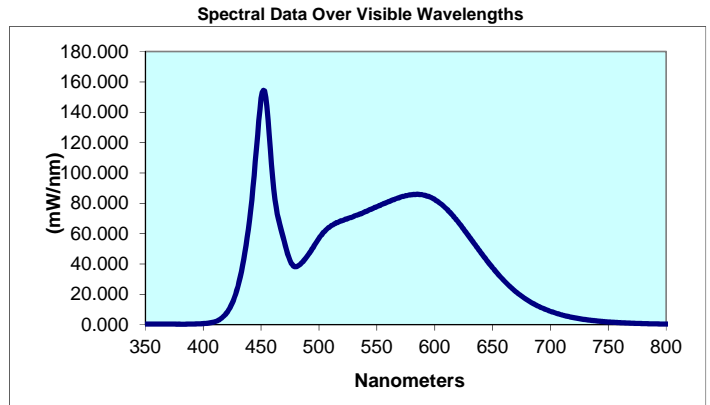
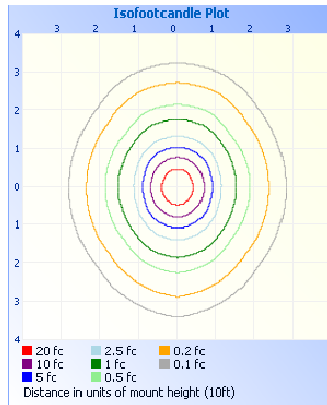
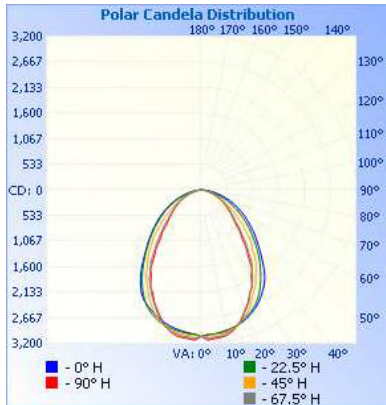
PHOTOMETRIC DATA

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

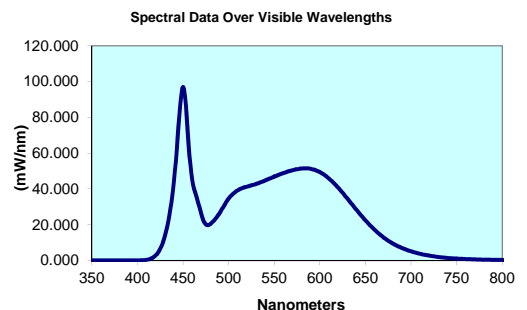
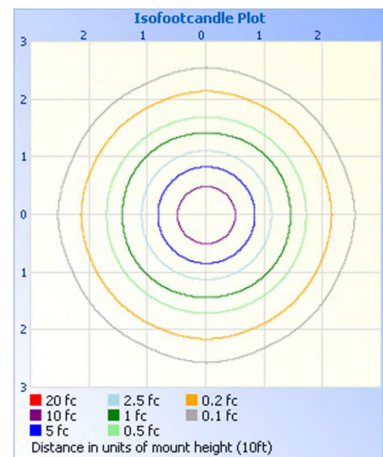
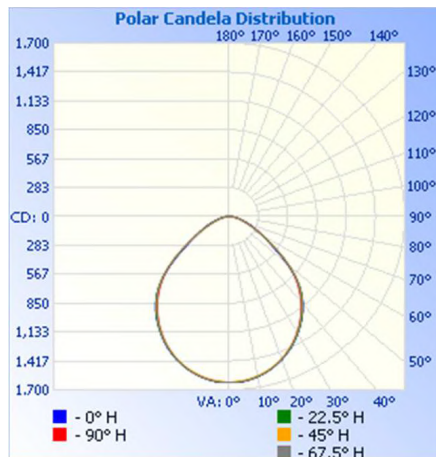
CATALOGUE #: SMS6-LED40-5K-EBU-D7-GC (With Glare Control Shield)

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

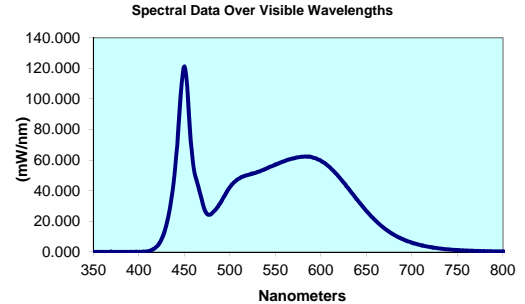
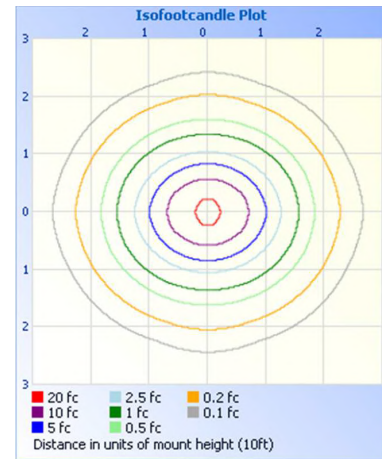
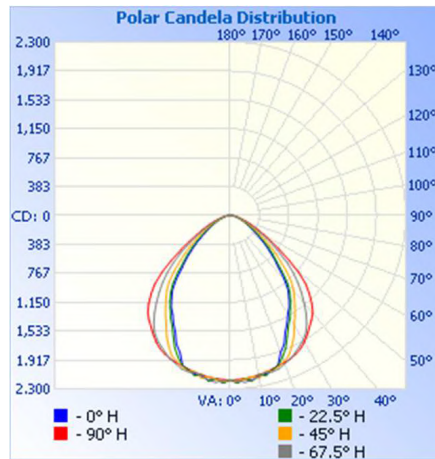


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Summary of Results		
IES Classification		Type VS
Total Lumen Output		4641 Lumens
Efficacy (Lm/W)		101.4 Lm/W
CRI		83.8
CCT		5320K
Duv		0.001
Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1676	37.9
0-40	2638	59.6
0-60	3986	90.1
60-90	438.9	9.9
0-90	4425	100.0
90-180	0.0	0.0
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Chromaticity (x)		0.337
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Temp	Voltage	Current	Power	Power Factor	Current THD	BUG Rating
25°C (±1°C)	120.0	389.6mA	45.78W	0.979	11.68%	B2-U0-G1

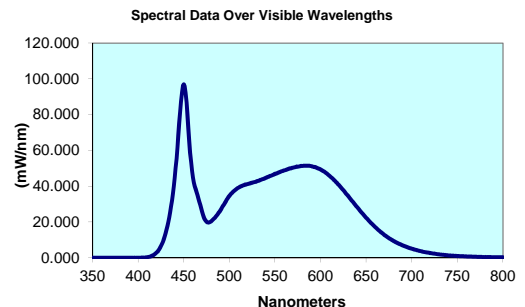
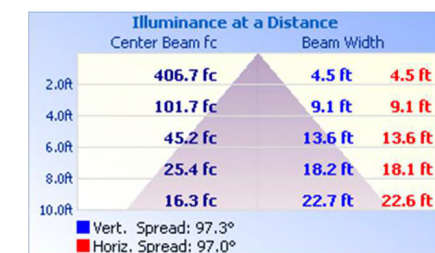
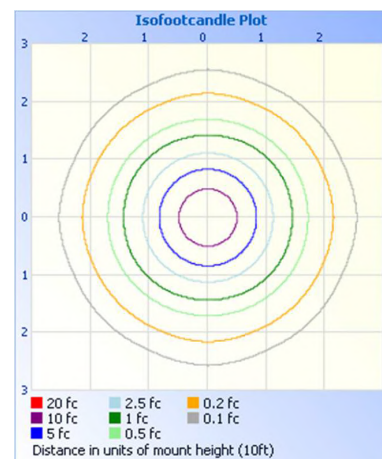
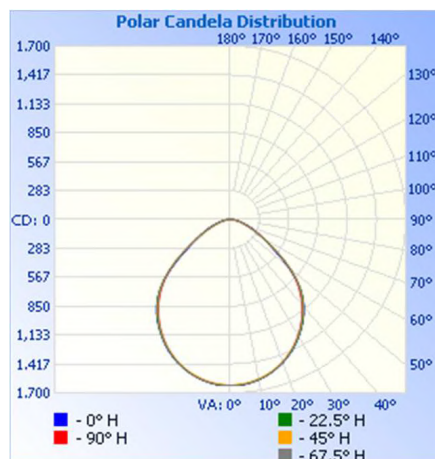


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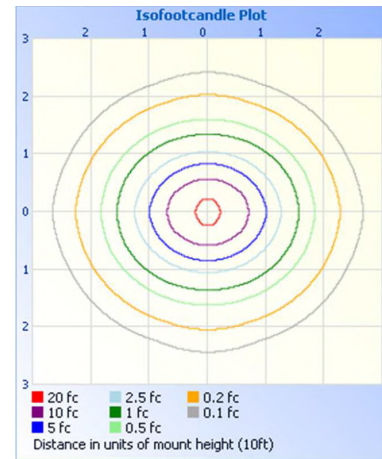
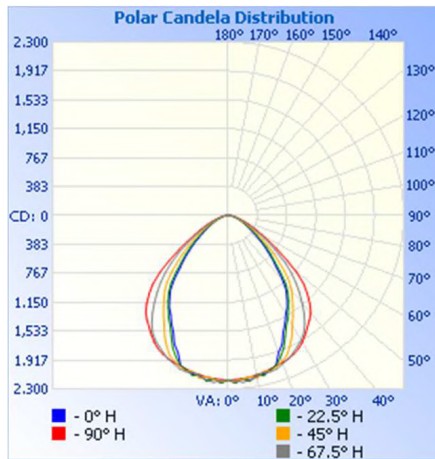
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Spectral Data Over Visible Wavelengths

