SUPER MAX

SURFACE MOUNT LED

SM12	SM13	SM22	SM23		SM Series	LED

Fixture Type

Date

Job Name

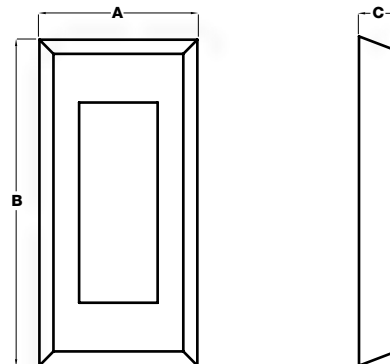Approved By

Catalog Number

SPECIFICATIONS

ADA Compliant

Description	The Super Max Confinement Surface Mount Luminaire is ideally suited for behavioral institutions and correctional facilities. Available options provide suitability for minimum to maximum security locations. A ligature resistant design is standard for all variations of the Surface Mount series. Various materials and lumen outputs are available to satisfy nearly any conceivable institutional requirement.
Housing	One piece die formed housing, available in stainless or cold rolled steels. All corners and seams continuously welded smooth. Hinge design protects from unauthorized fixture entry.
Mounting Plate	Die formed from same material as housing. Integral mounting bosses provide for entrapment of concealed contraband. Provisions for heavy duty hardware for direct mounting to building surface. Integral side locks align housing to mounting plate via locking tabs.
Gear Tray	Field replaceable integral unit containing LED circuit board, driver, reflector, and modular wiring. Optional dimmable driver available. Designed for quick replacement within the cell environment. LED smart board design provides auto-compensate feature to ensure fail safe operation in the event of multiple LED chip failures. High efficacy, long-life mid-power board featuring Samsung 561B+ LED's mounted directly to integral heat sink for maximum thermal dissipation. Available with optional field adjustable LED night lights.
Hinge	Internal welded piano-type hinge (1/4" knuckle/ 1/8" diameter pin) standard. Optional full length hinge available (SM12 & SM22 - 12" length; SM13 & SM23 - 23" length)
Lens	As specified up to 1.00" thickness - see ordering information. Clear lens combinations include high efficacy LED diffusion material.
Lens Retention	Vertically adjustable "Z" brackets secure lens to housing via internally welded stainless steel studs and heavy duty hardware.
Fasteners	Hardened tamper resistant security screws with cage nuts. Fully recessed.
Finish	Brushed stainless steel or electrostatically applied white polyester powder coating.
Light Engine Warranty	Ten year warranty on LED boards against operational defects. Driver covered by manufacturer's warranty.
UL Listing	U.L., C.UL, Wet location optional

DIMENSIONAL DATA

	A	B	C
SM12	11"	23"	2.75"
SM13	11"	37"	2.75"
SM22	17"	23"	2.75"
SM23	17"	37"	2.75"

Luminaire Led

www.luminaireled.net

Rev: 10/18+

SUPER MAX

Fixture Type

ORDERING INFORMATION

SERIES	HOUSING	DRIVER	CCT	VOLTS	LENS		COLOR	OPTIONS	CTX
									CTX
SM12 11"x 23"- 15W	0 - 16ga CRS (Painted)	CC	2700K	120-277	Lamp Side		BLK	GLR	
SM12 11"x 23"- 25W	1 - 14ga CRS (Painted)	DIM	3000K		0 - No Lens		WHT	FLH	
SM13 11"x 37"- 25W	2 - 12ga CRS (Painted)	PRD	3500K		A - .125" DR Prismatic Acrylic		BRZ	LEDNL	
SM13 11"x 37"- 50W	3 - 16ga SS (Brushed)		4000K		B - .125" Prismatic Polycarbonate		GRY	AMBNL	
SM22 17"x 23" - 25W	4 - 14ga SS (Brushed)		5000K		C - .125" Clear Polycarbonate		SIL	EMB10ST	
SM22 17"x 23" - 50W	5 - 12ga SS (Brushed)				D - .156" Prismatic Polycarbonate			WET	
SM23 17"x 37" - 50W					D1 - .187" Prismatic Polycarbonate			KO	
SM23 17"x 37" - 100W					D2 - .187" Prismatic Glass				
					E - .250" Clear Polycarbonate				
					F - .250" Clear Tempered Glass				
					G - .375" Clear Polycarbonate				
					H - .375" Clear Tempered Glass				
					I - .500" Clear Polycarbonate				
					J - .500" Clear Tempered Glass				
					Environmental Side				
					0 - No Lens				
					1 - .125" Clear Polycarbonate				
					2 - .187" Clear Polycarbonate				
					3 - .187" Clear Tempered Glass				
					4 - .250" Clear Acrylic				
					5 - .250" Clear Polycarbonate				
					6 - .250" Clear Tempered Glass				
					7 - .375" Clear Polycarbonate				
					8 - .375" Clear Tempered Glass				
					9 - .500" Clear Polycarbonate				
					10 - .500" Clear Tempered Glass				

CC = Constant Current (Standard)
DIM = 0-10V Dimming, 10% at lowest level
PRD = Programmable driver. Specify Watts
          or Lumens. Consult factory.

Luminaire LED

www.luminaireled.net

5 Sutton Place
P.O. Box 2162
Edison, NJ 08818

P. 732.549.0056
F. 732.549.9737

Luminaire LED Incorporated products are manufactured
in the USA with components purchased from USA
suppliers, and meet the Buy American requirements
under the ARRA. Content of specification sheets is subject to
change; please consult our website for current product information.

Rev: 10/18+

OPTIONS

COLORS	BLK = Black	WHT = White	BRZ = Bronze	GRY = Gray	SIL = Silver	CUST = Custom Color (Consult Factory)

GLR Fuse and fuse holder

FLH Full length hinge

LEDNL LED Night Light with field adjustable levels in 2700K, 3000K, 3500K, 4000K, or 5000K. Requires separately controlled circuit. Consult factory for availability.

AMBNL Amber LED Night Light with field adjustable levels with peak wavelength at 593 nm. Requires separately controlled circuit. Consult factory for availability.

EMB10ST 1000 lumen self-testing, self-contained, 90 minute emergency battery pack. 0°C (32°F) to 55°C (131°F). Available for SM13 and SM23 only. Meets CA Title 20 Standards.

WET Neoprene gasketing for U.L. Wet locations

KO Provisions for surface conduit entry. N/A with WET option. Consult factory for availability in select models.

CTX TORX® head bit for Confinement Series.

PHOTOMETRIC DATA

Model	Watts	Input Watts				Delivered Lumens			
			2700K		3000K	3500K	4000K		5000K
SM12	15W	14.6W	1018		1030	1052	1085		1118
SM12	25W	27.1W	1926		1946	1987	2049		2110
SM13	25W	27.0W	2193		2217	2263	2334		2404
SM13	50W	53.9W	4141		4185	4273	4406		4538
SM22	25W	27.4W	2316		2340	2390	2464		2538
SM22	50W	55.0W	4371		4418	4511	4651		4790
SM23	50W	54.6W	4760		4810	4912	5064		5216
SM23	100W	109.3W	8982		9078	9269	9556		9842
SMxx	PRD		Programmable Driver. Specify Wattage or Lumens in Ordering Information.						

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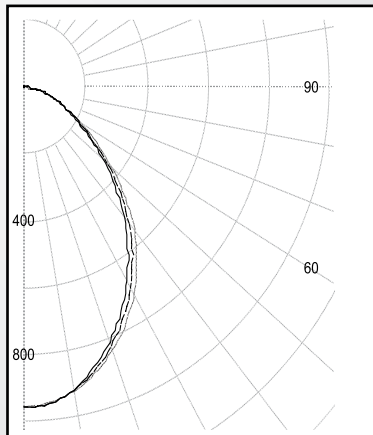P. 732.549.0056
F. 732.549.9737

Rev: 10/18+

PHOTOMETRIC DATA

MODEL SM12-25W-0-CC-A/4
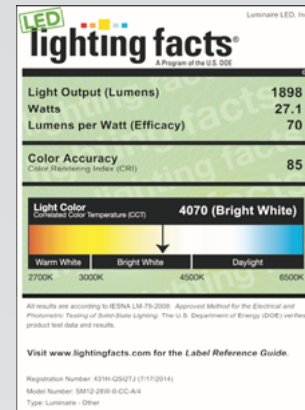Delivered Lumens: 1,898 Lumens

Total Power: 27.1W

Testing was performed in accordance with IES LM-79-08

Zone	Lumens	% Lamps
0 - 30	688	36.2
0 - 40	1072	56.5
0 - 60	1657	87.3
60 - 90	242	12.7
0 - 90	1898	100.0
90 -180	0	0.0
0 - 180	1898	100.0

lighting facts
Luminaire LED, Inc.
A Program of the U.S. DOE

Light Output (Lumens)	1898
Watts	27.1
Lumens per Watt (Efficacy)	70

Color Accuracy
Color Rendering Index (CRI)   85

Light Color
Correlated Color Temperature (CCT)   4070 (Bright White)

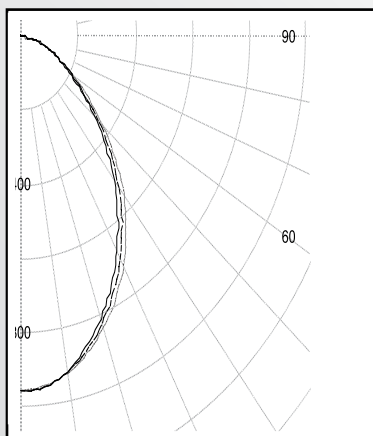Warm White   Bright White   Daylight
2700K   3000K   4500K   6500K

MODEL SM13-50W-0-CC-A/4
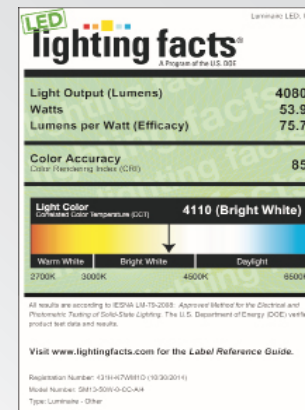Delivered Lumens: 4,080 Lumens

Total Power: 53.9W

Testing was performed in accordance with IES LM-79-08

Zone	Lumens	% Lamps
0 - 30	1305	32.0
0 - 40	2064	50.6
0 - 60	3419	83.8
60 - 90	662	16.2
0 - 90	4080	100.0
90 -180	0	0.0
0 - 180	4080	100.0

lighting facts
Luminaire LED, Inc.
A Program of the U.S. DOE

Light Output (Lumens)	4080
Watts	53.9
Lumens per Watt (Efficacy)	75.7

Color Accuracy
Color Rendering Index (CRI)   85

Light Color
Correlated Color Temperature (CCT)   4110 (Bright White)

Warm White   Bright White   Daylight
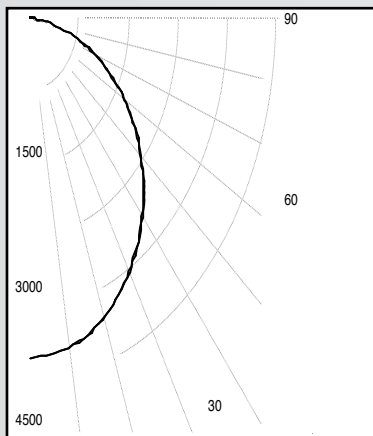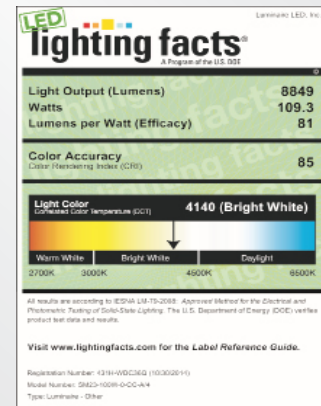2700K   3000K   4500K   6500K

MODEL SM23-100W-0-CC-A/4
Delivered Lumens: 8,849 Lumens

Total Power: 109.3W

Testing was performed in accordance with IES LM-79-08

Zone	Lumens	% Lamps
0 - 30	2798	31.6
0 - 40	4444	50.2
0 - 60	7407	83.7
60 - 90	1443	16.3
0 - 90	8849	100.0
90 -180	0	0.0
0 - 180	8849	100.0

lighting facts
Luminaire LED, Inc.
A Program of the U.S. DOE

Light Output (Lumens)	8849
Watts	109.3
Lumens per Watt (Efficacy)	81

Color Accuracy
Color Rendering Index (CRI)   85

Light Color
Correlated Color Temperature (CCT)   4140 (Bright White)

Warm White   Bright White   Daylight
2700K   3000K   4500K   6500K

MOUNTING DETAILS

SM 12

22.88

16.00

11.13

6.00

ø 0.469
Mounting Hole (4) PLCS

ø 2.00
Center Conduit Hole

SM 13

36.88

30.00

11.13

6.00

ø 0.469
Mounting Hole (6) PLCS

ø 2.00
Center Conduit Hole

SM 22

22.88

16.00

17.00

11.25

ø 0.469
Mounting Hole (4) PLCS

ø 2.00
Center Conduit Hole

SM 23

36.88

30.00

17.00

11.25

ø 0.469
Mounting Hole (6) PLCS

ø 2.00
Center Conduit Hole

Rev: 10/18+