TAMLITE LIGHTING

Project:	
Location:	
Model#: SM1224-SW-120-WH	Type:
Client:	Qty:
Prepared by:	Date:

SERIES SPECIFICATIONS

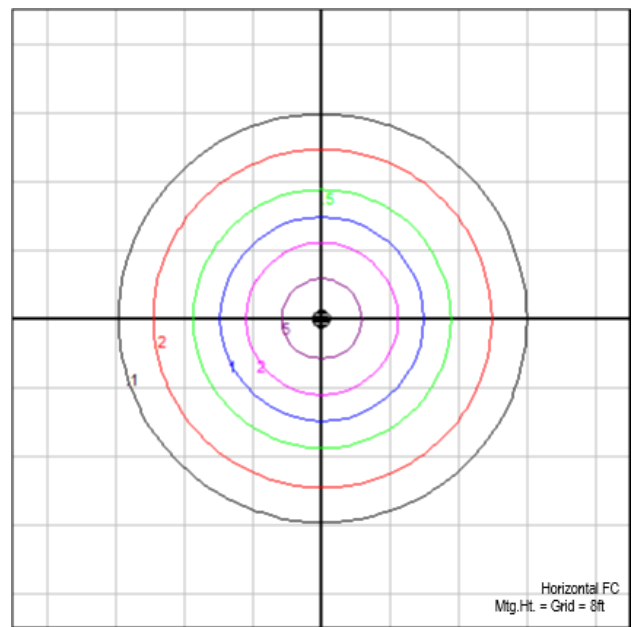To supply Tamlite SM12 series of LED fixtures as specified

ETL c US | 120 VAC | DIM TRIAC | LED | SELECTABLE WHITE | 5 YEAR LIMITED WARRANTY

PERFORMANCE SPECIFICATIONS

Luminance Distribution Chart

#1 V-plane cd (90-270)
#2 V-plane cd (0-180)

Isolux Diagram

Horizontal FC
Mtg.Ht. = Grid = 8ft
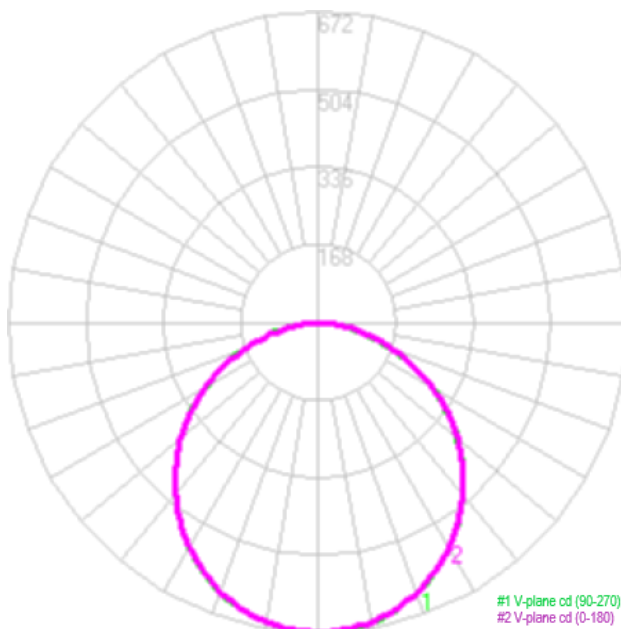
Zonal Lumen Summary

Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens
0-10	63.46	30-40	328.55	60-70	226.97	90-100	0	120-130	0	150-160	0
10-20	181.41	40-50	338.88	70-80	124.84	100-110	0	130-140	0	160-170	0
20-30	273.87	50-60	303.82	80-90	30.25	110-120	0	140-150	0	170-180	0

Total Initial Lumen Output; 1872.05 lm

Co-efficient of Utilization

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RF	20				20				20			20			20			20
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	53	50
5	76	63	54	47	74	62	54	47	60	52	47	58	51	46	56	50	46	44
6	70	57	48	41	68	56	47	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	61	47	38	33	59	46	38	33	45	38	32	44	37	32	43	36	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	30	26	24

Initial Lumen Output: 1872lm
CBCP: 672 CD
UL Classification: Damp Location Listed
Limited Product Warranty: 5 year(s)

Efficacy: 78lm/W
Luminaire Type: Direct - Surface Mount
Certification Standards: cETLus

Max Candela: 672cd
Environmental Rating(s): IP20
CCN Number: 4007670

LED SPECIFICATIONS

Source Type: LED

CRI: >80

Colour Temperature: 3000K, 4000K or 5000K Field Selectable

ELECTRICAL SPECIFICATIONS

Input Voltage: 120Vac
Current Draw at 120Vac: 0.2000A
Dimming: Triac, Reverse Phase
Driver Certifications: c-RU-us Class 2, FCC Part 15 Class B, RoHS

Input Frequency: 50/60 hz
Max On-Delay: < 1s
Over Temperature Protection: Auto Recovery, The fixture shall shut down and return to operation when the temperature returns to normal.

Fixture Draw: 24W
Power Factor at 120Vac: > 0.9
Short Circuit Protection: Auto Recovery. The output shall return to normal when the fault condition is removed.

PHYSICAL SPECIFICATIONS

Finish Colour: White
Housing Material: High Grade Plastic
Reflector Material: Acrylic

Finish Type: Injection molded colour
Lens Material: PMMA
Entries: One (1), Back Mount

Mounting:: Surface, back mount
Lens Type: Diffused

SHIPPING INFORMATION

OrderingCode(s): SM1224-SW-IP20

Carton Quantity: 10

Box Quantity: 1

Carton Dimensions (l-W-H):
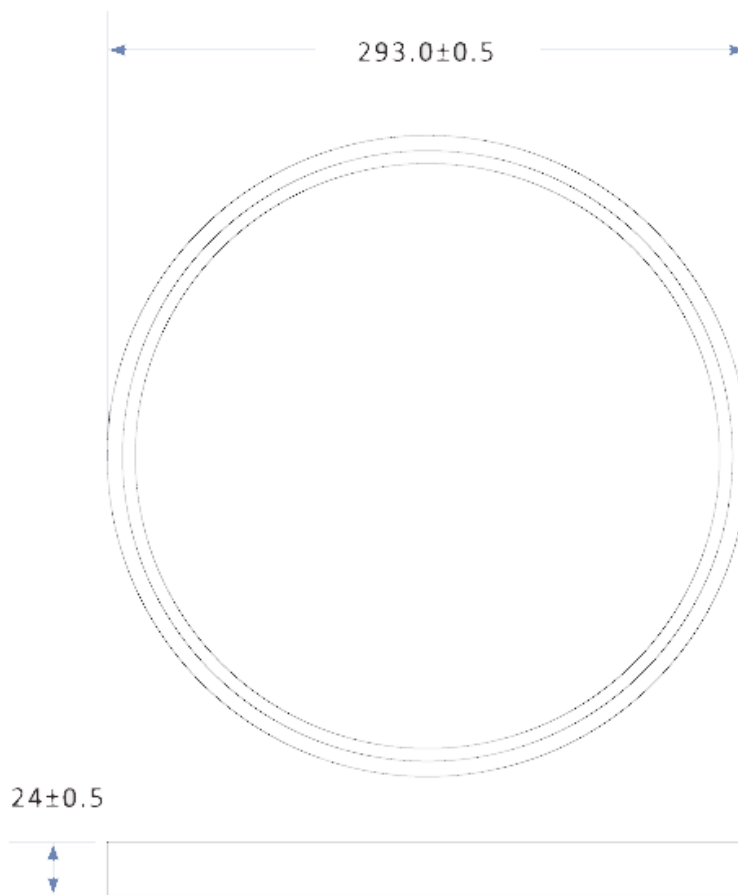47.2cm(18.58")*34.1cm(13.43")*32.9cm(12.95")

Box Dimensions (L-W-H):
4.7cm(1.8")*34.1cm(13.43")*32.9cm(12.95")

LINE DRAWING

Line Drawings

293.0±0.5

24±0.5

SERIES ARCHITECTURE

Series Architecture

SM - 12 - 24 - _____ sw _____ - 120 - WH - _____

Part	Size		Wattage		Colour		Voltage		Finish		Mounting Options	
SM	12	12 inch	24	24W	SW	Selectable White	120	120Vac	WH	White	blank	Flush Mount
						3000K, 4000K, 5000K					SFM	Semi Flush Mount

2022-12-02