

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

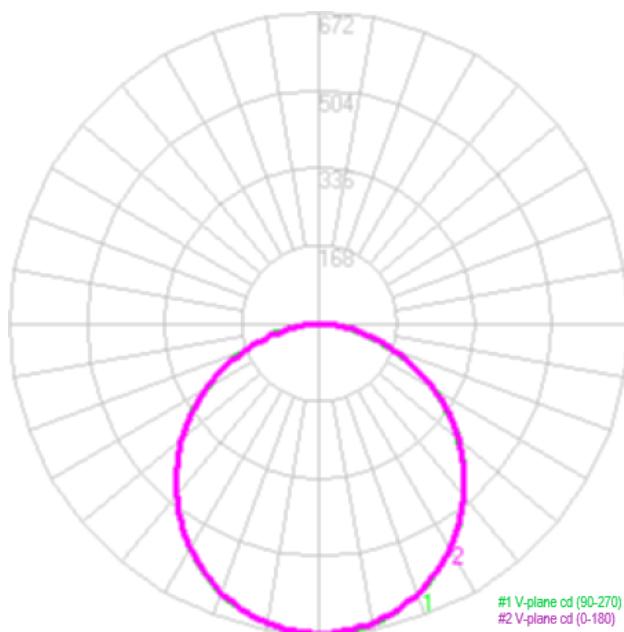
## SERIES SPECIFICATIONS

To supply Tamlite SM12 series of LED fixtures as specified

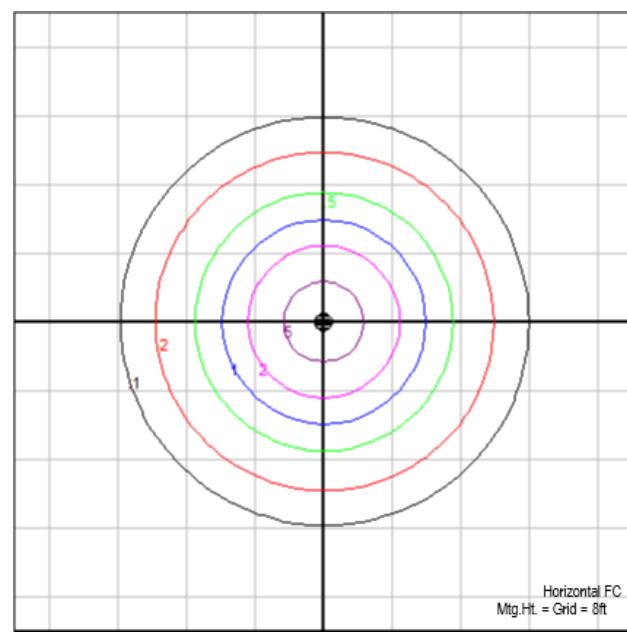


## PERFORMANCE SPECIFICATIONS

Luminance Distribution Chart



Isolux Diagram



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

**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

**Ordering Code(s):** SM1224-SW-IP20

**Carton Quantity:** 10

**Box Quantity:** 1

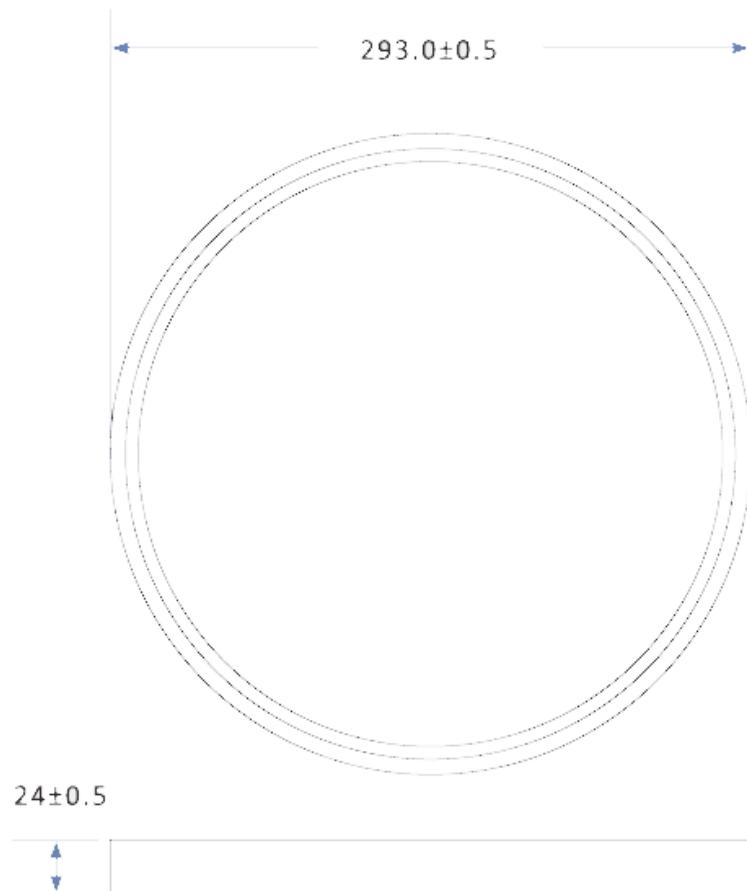
**Carton Dimensions (L-W-H):**  
47.2cm(18.58")\*34.1cm(13.43")\*32.9cm(12.95")

**Box Dimensions (L-W-H):**

4.7cm(1.8")\*34.1cm(13.43")\*32.9cm(12.95")

## LINE DRAWING

### Line Drawings



## 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<br>3000K, 4000K, 5000K | 120 120Vac | WH White | blank Flush Mount<br>SFM Semi Flush Mount |
|      |            |         |  |            |          |   |
|      |            |         |  |            |          |   |
|      |            |         |  |            |          |   |
|      |            |         |  |            |          |   |

2022-12-02