

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

#### **SERIES SPECIFICATIONS**

To supply Tamlite SM12 series of LED fixtures as specified







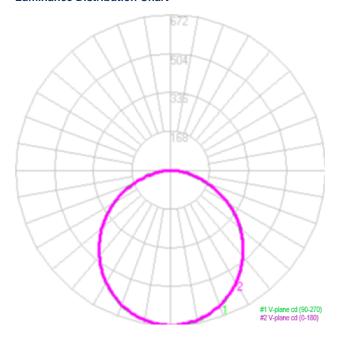




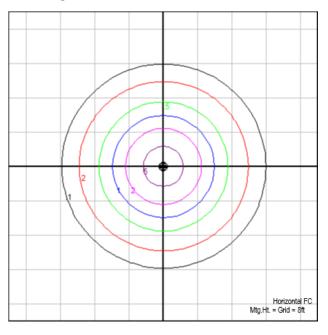


## PERFORMANCE SPECIFICATIONS

# **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 Im



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

#### **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  |     |     | 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



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

# SHIPPING INFORMATION

OrderingCode(s): SM1224-SW-IP20

Carton Quantity: 10

**Box Quantity: 1** 

Box Dimensions (L-W-H):

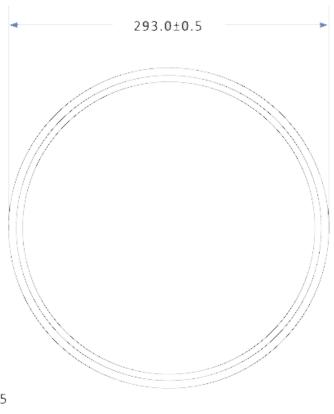
Carton Dimensions (I-W-H):

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

47.2cm(18.58")\*34.1cm(13.43")\*32.9cm(12.95")

# LINE DRAWING

# **Line Drawings**



24±0.5





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

## SERIES ARCHITECTURE

# **Series Architecture**

| SM - 12 - |                 | _                    | 24 - |        | SW               |                     | 120 - | - <u>WH</u> - |       |       |                  |                  |  |
|-----------|-----------------|----------------------|------|--------|------------------|---------------------|-------|---------------|-------|-------|------------------|------------------|--|
| Part      | rt Size Wattage |                      |      | ittage | Colo             | our                 | Volt  | age           | Finis | sh    | Mounting Options |                  |  |
| SM        | 12              | 12 12 inch 24 24W SW |      | SW     | Selectable White | 120 120Vac          |       | WH            | White | blank | Flush Mount      |                  |  |
|           |                 |                      |      |        |                  | 3000K, 4000K, 5000K |       |               |       |       | SFM              | Semi Flush Mount |  |
|           |                 |                      |      |        |                  |                     |       |               |       |       |                  |                  |  |
|           |                 |                      |      |        |                  |                     |       |               |       |       |                  |                  |  |

2022-12-02