

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

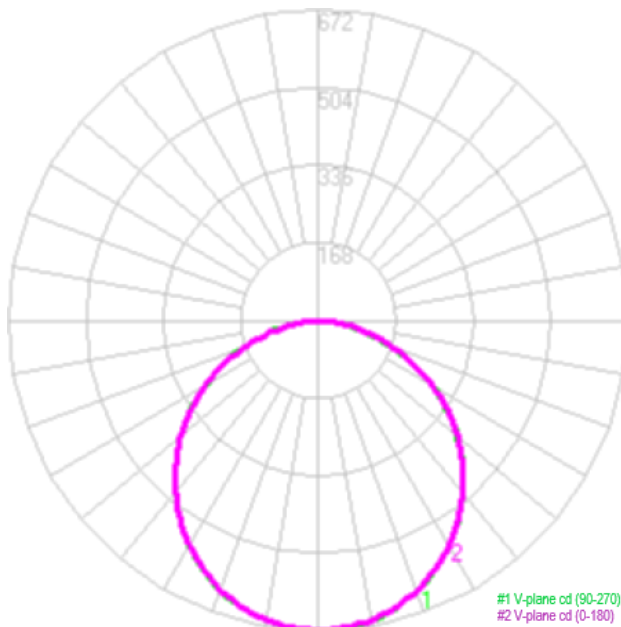
## SERIES SPECIFICATIONS

To supply TamLite SM12 series of LED fixtures as specified

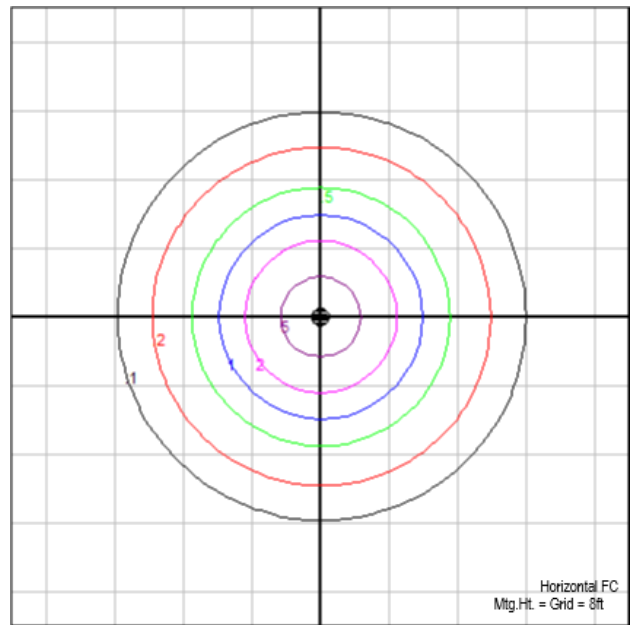


## PERFORMANCE SPECIFICATIONS

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



|                          |       |
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#### 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

|                          |       |
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## SHIPPING INFORMATION

OrderingCode(s): SM1224-SW-IP20

Carton Quantity: 10

Box Quantity: 1

Carton Dimensions (L-W-H):

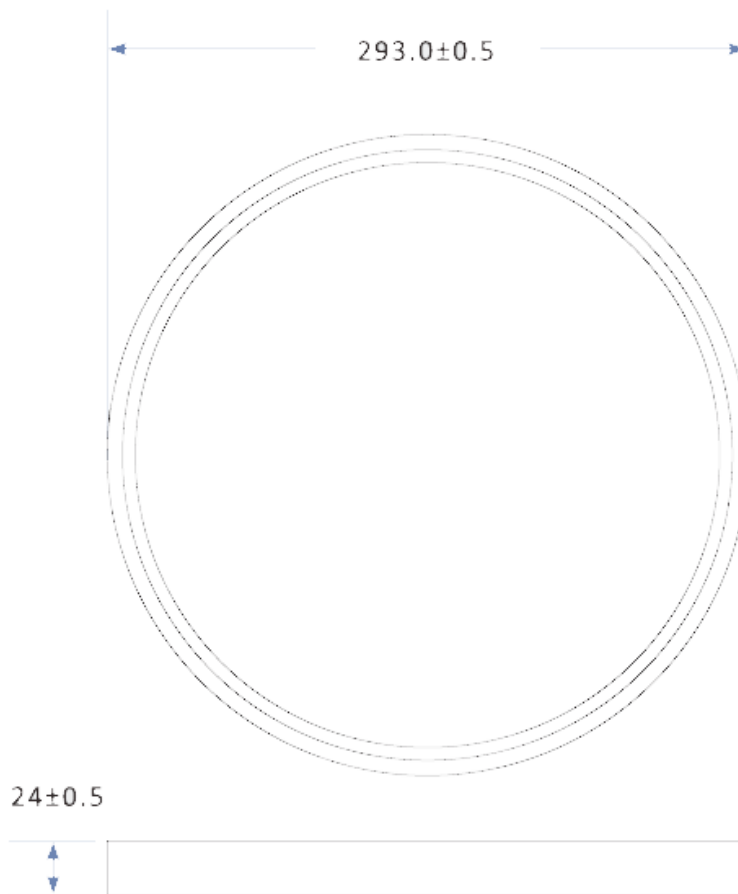
47.2cm(18.58")\*34.1cm(13.43")\*32.9cm(12.95")

Box Dimensions (L-W-H):

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

## LINE DRAWING

### Line Drawings





|                          |       |
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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