

|                    |       |
|--------------------|-------|
| Project:           |       |
| Location:          |       |
| Model#: EUD4-SW-WH | Type: |
| Client:            | Qty:  |
| Prepared by:       | Date: |

## SERIES SPECIFICATIONS

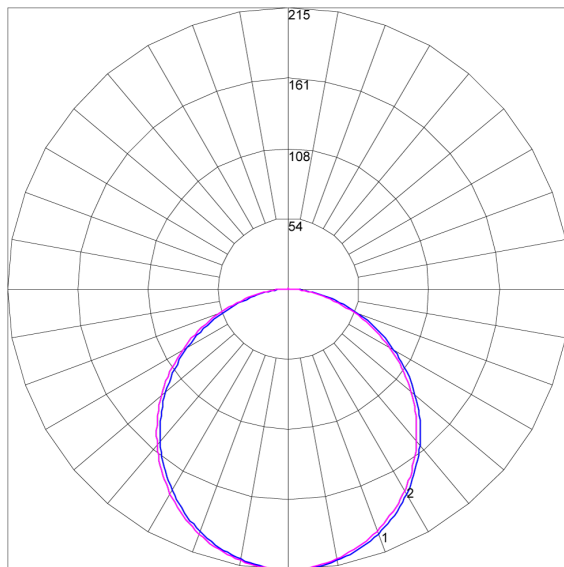


To supply TamLite EUD series of LED fixtures as specified. The luminaire shall operate at 120Vac and use a TRIAC dimmable, constant current type Integral driver. The housing shall be constructed of die cast Aluminium finished with a textured powder coat over a chromate conversion coat. All hardware to be stainless steel. Wiring compartment to be Integral with hinged wiring cover. Optics to be constructed of Acrylic and be sealed via captive gasket. Rated for insulated ceiling and Air Tight (ASTM-E283) applications. Connecting cable shall be FT1 plenum rated. Fixture shall be cULus and Energy Star approved.



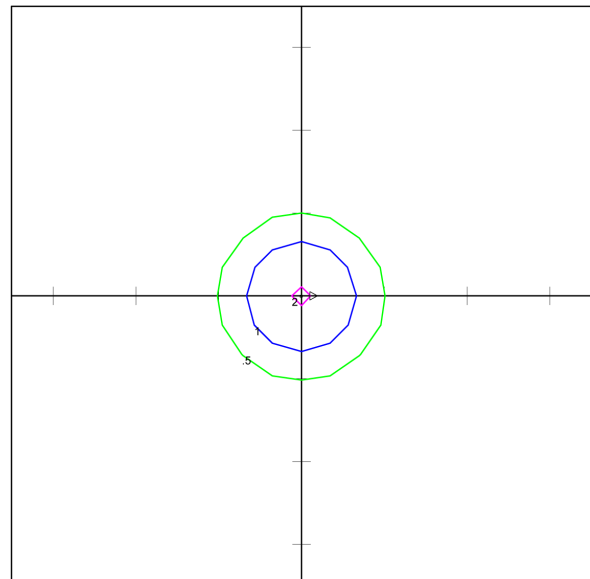
## PERFORMANCE SPECIFICATIONS

### Luminance Distribution Chart



Maximum Candela = 215.002 Located At Horizontal Angle = 315, Vertical Angle = 1  
 # 1 - Vertical Plane Through Horizontal Angles (315 - 135) (Through Max. Cd.)  
 # 2 - Vertical Plane Through Horizontal Angles (90 - 270)

### Isolux Diagram



Tamlite Lighting Canada  
 10 Perdue Crt. Caledon, ON  
 EUD4/SW-120V-WH  
 4 inch 7W LED Disk Light  
 file done at 2700K

Horizontal Footcandles  
 Scale: 1 Inch = 10 Ft.  
 Light Loss Factor = 1.00  
 Lumens Per Lamp = N.A. (absolute photometry)  
 Luminaire Lumens = 600  
 Mounting Height = 10.00 Ft  
 Maximum Calculated Value = 2.15 Fc  
 Arrangement: Single

|                           |              |
|---------------------------|--------------|
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### Zonal Lumen Summary

| ZONE  | LUMENS | ZONE  | LUMENS | ZONE    | LUMENS | ZONE    | LUMENS | ZONE    | LUMENS |
|-------|--------|-------|--------|---------|--------|---------|--------|---------|--------|
| 0-10  | 20.32  | 40-50 | 107.86 | 80-90   | 10.92  | 120-130 | 0.08   | 160-170 | 0.07   |
| 10-20 | 58.04  | 50-60 | 96.57  | 90-100  | 0.04   | 130-140 | 0.10   | 170-180 | 0.03   |
| 20-30 | 87.51  | 60-70 | 72.65  | 100-110 | 0.05   | 140-150 | 0.11   | --      | --     |
| 30-40 | 104.79 | 70-80 | 40.89  | 110-120 | 0.07   | 150-160 | 0.11   | --      | --     |

### Co-efficient of Utilization

| CC   | 80  |     |     |     | 70  |     |     |     | 50  |     |     | 30  |     |     | 10  |     |     | 0   |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| WALL | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| fc   | 20  |     |     |     | 20  |     |     |     | 20  |     |     | 20  |     |     | 20  |     |     | 0   |
| RCR  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 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  | 94  | 97  | 94  | 91  | 94  | 91  | 88  | 90  | 88  | 86  | 84  |
| 2    | 99  | 91  | 84  | 78  | 96  | 89  | 82  | 77  | 85  | 80  | 75  | 82  | 77  | 74  | 79  | 75  | 72  | 70  |
| 3    | 90  | 80  | 71  | 65  | 88  | 78  | 70  | 64  | 75  | 69  | 63  | 72  | 67  | 62  | 70  | 65  | 61  | 59  |
| 4    | 83  | 71  | 62  | 55  | 80  | 69  | 61  | 55  | 67  | 59  | 54  | 64  | 58  | 53  | 62  | 57  | 52  | 50  |
| 5    | 76  | 63  | 54  | 47  | 74  | 62  | 53  | 47  | 60  | 52  | 47  | 58  | 51  | 46  | 56  | 50  | 46  | 43  |
| 6    | 70  | 57  | 48  | 41  | 68  | 56  | 47  | 41  | 54  | 46  | 41  | 52  | 46  | 40  | 51  | 45  | 40  | 38  |
| 7    | 65  | 51  | 43  | 37  | 63  | 51  | 42  | 36  | 49  | 42  | 36  | 48  | 41  | 36  | 46  | 40  | 36  | 34  |
| 8    | 61  | 47  | 38  | 33  | 59  | 46  | 38  | 32  | 45  | 38  | 32  | 44  | 37  | 32  | 42  | 36  | 32  | 30  |
| 9    | 57  | 43  | 35  | 29  | 55  | 42  | 35  | 29  | 41  | 34  | 29  | 40  | 34  | 29  | 39  | 33  | 29  | 27  |
| 10   | 53  | 40  | 32  | 27  | 52  | 39  | 32  | 26  | 38  | 31  | 26  | 37  | 31  | 26  | 36  | 30  | 26  | 24  |

**Initial Lumen Output:** 655lm

**Beam Angle:** 110 deg

**Spacing Criteria:** 1.24(0-180) 1.24(90-270)

**Ambient Operating Temp:** -20C to +40C

**Limited Product Warranty:** 5 Year(s)

**Efficacy:** 77lm/W

**Field Angle:** 160 deg

**Environmental Rating(s):** IC Rated, Air Tight ASTM E283

**Certification Standards:** cETLus, Energy Star, Air Tight (ASTM-E283), CAN ICES-005(B) NMB-005(B)

**CBCP:** 215cd

**Luminaire Type:** Direct

**UL Classification:** Wet Location Listed

**CCN Number:** IFA07.E470484

### LED SPECIFICATIONS

**Source Type:** LED

**L90:** 25,000 Hrs.

**CRI:** >80

**Colour Temperature:** 2700K, 3000K, 3500K, 4000K, 5000K Field Selectable

**L70:** 44000 Hrs.

**Duv:** 0.000995

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## ELECTRICAL SPECIFICATIONS

**Input Voltage:** 120Vac

**Max On-Delay:** 0.75 S

**Dimming:** TRIAC (1-10Vdc, 10% Min Light Level)

**Short Circuit Protection:** Auto Recovery.  
The output shall return to normal when the fault condition is removed.

**Input Frequency:** 50/60 hz

**Power Factor at 120Vac:** > 0.90

**Dimming Current mA:** .5mA draw

**Fixture Draw:** 7.385W

**Max Operating Case Temperature:** 40C

**Over Temperature Protection:** Auto Recovery. Returning to normal after over temperature is removed.

## PHYSICAL SPECIFICATIONS

**Finish Colour:** White

**Mounting:** Recessed

**Finish Type:** Powder Coated

**Housing Material:** Die-cast Aluminium

**Wiring:** Internal junction box for through circuit wiring. Connecting cable shall be FT1 plenum rated.

**Lens Material:** UV Stabilized Acrylic

## SHIPPING INFORMATION

**OrderingCode(s):** EUD4-SW-WH

**Box Quantity:** 1

## LINE DRAWING

### Line Drawings

