

| Project:               |       |  |  |  |  |
|------------------------|-------|--|--|--|--|
| Location:              |       |  |  |  |  |
| Model#: TAMHLX110W850M | Туре: |  |  |  |  |
| Client:                | Qty:  |  |  |  |  |
| Prepared by:           | Date: |  |  |  |  |

#### **SERIES SPECIFICATIONS**



To supply Tamlite TAMHLX series of LED fixtures as specified. The luminaire shall operate at 120-277Vac. The housing shall be constructed of powder-coated steel with a heat and impact resistant polycarbonate lens. All parts shall be corrosion resistant. The fixture shall be cULus Listed. The fixture shall be DLC Approved









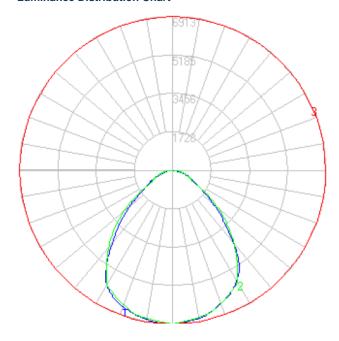




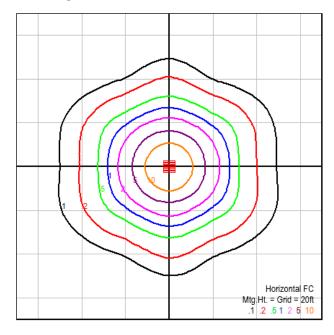


#### PERFORMANCE SPECIFICATIONS

## **Luminance Distribution Chart**



## **Isolux Diagram**





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#### **Co-efficient of Utilization**

| RC |     | 8   | 0   |     |     | 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 |     | 2   | 0   |     |     | 2   | 0   |     | 20  |     | 20  |     | 20  |     | 20  |     |     |     |
| 0  | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1  | 111 | 107 | 103 | 100 | 108 | 104 | 101 | 98  | 100 | 97  | 95  | 96  | 94  | 92  | 93  | 91  | 89  | 87  |
| 2  | 102 | 95  | 89  | 84  | 100 | 93  | 88  | 83  | 90  | 85  | 82  | 87  | 83  | 80  | 84  | 81  | 78  | 76  |
| 3  | 94  | 85  | 78  | 73  | 92  | 84  | 77  | 72  | 81  | 75  | 71  | 78  | 74  | 70  | 76  | 72  | 68  | 66  |
| 4  | 87  | 77  | 69  | 63  | 85  | 76  | 68  | 63  | 73  | 67  | 62  | 71  | 66  | 61  | 69  | 64  | 60  | 58  |
| 5  | 81  | 70  | 62  | 56  | 79  | 69  | 61  | 55  | 67  | 60  | 55  | 65  | 59  | 54  | 63  | 58  | 54  | 52  |
| 6  | 75  | 63  | 55  | 50  | 74  | 62  | 55  | 49  | 61  | 54  | 49  | 59  | 53  | 49  | 58  | 52  | 48  | 46  |
| 7  | 70  | 58  | 50  | 44  | 69  | 57  | 50  | 44  | 56  | 49  | 44  | 54  | 48  | 44  | 53  | 48  | 43  | 42  |
| 8  | 66  | 53  | 46  | 40  | 64  | 53  | 45  | 40  | 51  | 45  | 40  | 50  | 44  | 40  | 49  | 44  | 39  | 38  |
| 9  | 62  | 49  | 42  | 36  | 60  | 49  | 41  | 36  | 48  | 41  | 36  | 47  | 40  | 36  | 46  | 40  | 36  | 34  |
| 10 | 58  | 46  | 38  | 33  | 57  | 45  | 38  | 33  | 44  | 38  | 33  | 43  | 37  | 33  | 42  | 37  | 33  | 31  |

Initial Lumen Output: 14,850 lm

Beam Angle: 90 deg

Spacing Criteria: 1.23 (C0-180), 1.25

(C90-270)

Ambient Operating Temp: -40C to 50C (-

40? to 122?)

CCN Number: E359675

Efficacy: 135.5 lm/W Field Angle: 140 deg

Environmental Rating(s): IP20
Certification Standards: cULus, DLC

Premium 5.1

Limited Product Warranty: 5 Year

**CBCP:** 6,913 cd

Luminaire Type: Suspended - Direct UL Classification: Dry Location DLC Number: S-5M9JIA



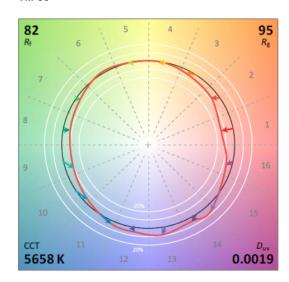
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## LED SPECIFICATIONS

## R Tables

| R-Tables; Special Colour Rendering Indices |                    |     |    |  |  |  |  |
|--|--------------------|-----|----|--|--|--|--|
|  | Measured at 5,661K |     |    |  |  |  |  |
| R1   | 81                 | 1   |    |  |  |  |  |
| R2   | 88                 | R10 | 72 |  |  |  |  |
| R3   | 92                 | R11 | 81 |  |  |  |  |
| R4   | 82                 | R12 | 58 |  |  |  |  |
| R5   | 82                 | R13 | 83 |  |  |  |  |
| R6   | 83                 | R14 | 96 |  |  |  |  |
| R7   | 86                 | R15 | 76 |  |  |  |  |
| R8   | 666                |     |    |  |  |  |  |

#### TM-30



Source Type: LED CRI: 80

**L90:** 51,000hrs **Duv:** 0.0016

Manufacturer: Lumileds

**Rf:** 84

Colour Temperature: 5000K

Part Number: L128-2780

**Rg:** 95

**Chromaticity:** (x=0.3794 y=0.3795



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#### **ELECTRICAL SPECIFICATIONS**

Input Voltage: 120-277Vac Input Frequency: 50/60 Hertz Fixture Draw: 105.83

Internal Circuits: one (1) Driver, two(2) Current Draw at 120Vac: 0.892 Current Draw at 277Vac: 0.3910

board sets Max On-Delay: 1.00 Power Factor at 120Vac: 0.9 Inrush Current: 1.1 A2S THD at 120Vac(%): 0.15 THD at 277Vac(%): 0.15

Power Factor at 277Vac: 0.9 Max Operating Case Temperature: 90C Surge Suppression: B grade?L-N

Driver MTBF: 200,000hrs Dimming Current mA: 150 mA :2KV?L&N-PE:2KV?

#### PHYSICAL SPECIFICATIONS

Dimming: 0-10Vdc, (0% Min Light Level)

Finish Colour: Gloss White Wiring: 3-Wire (L-N-G) 2-wire(010Vdc) Finish Type: Powder Coated Mounting: Suspended Housing Material: Formed Steel Lens Material: Polycarbonate

Reflector Material: Painted Steel Weight: 2.7KG

Lens Type: Frosted Entries: 3 Conduit Entries

#### SHIPPING INFORMATION

OrderingCode(s): TAMHLX110W850M

Box Weight: 3.6KG **Box Quantity: 1 Box Dimensions (L-W-H):** 650\*310\*105

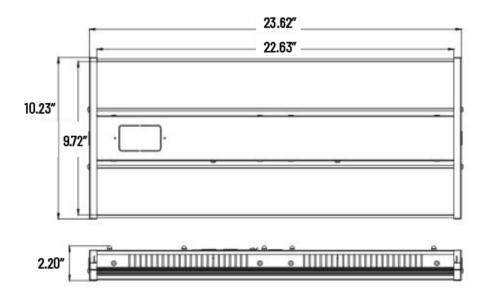
MM



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## LINE DRAWING

## **Line Drawings**



## SERIES ARCHITECTURE

# **Series Architecture**

| TAMHLX - | 110 -   | 8 -  | 50 -     | М -     |                               |
|----------|---------|------|----------|---------|-------------------------------|
| Series   | Wattage | CRI  | ССТ      | Lense   | Options                       |
| TAMHLX   | 110     | 8 80 | 50 5000K | M Matte | Blank aircraft cable standard |
|          | 165     |      |          |         | OS Microwave Occupancy Sensor |
|          | 220     |      |          |         | SMK Surface Mount Kit (Extra) |
|          | 300     |      |          |         | PEN Pendant Mount Kit (Extra) |

Optional Extras: Surface Mount Kit (TAMHLXSMK-KIT)