

|                         |       |
|-------------------------|-------|
| Project:                |       |
| Location:               |       |
| Model#: TLSF810030K-UN4 | Type: |
| Client:                 | Qty:  |
| Prepared by:            | Date: |

## SERIES SPECIFICATIONS

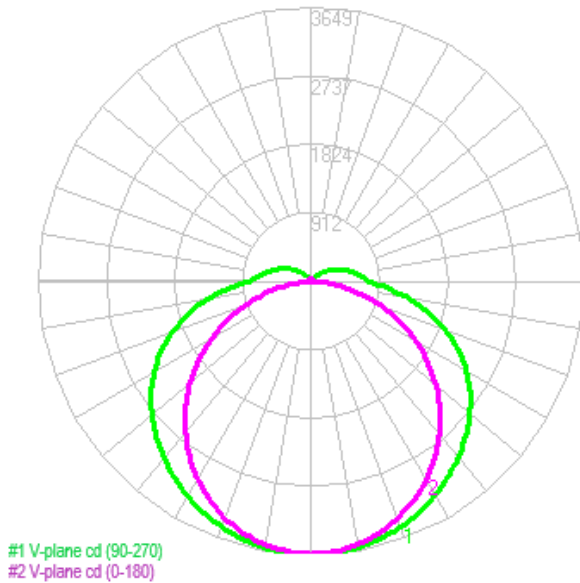


To supply TamLite TLSF Series of LED fixtures as specified. The luminaire shall operate at 347Vac and use a 1-10Vdc, (10% Min Light Level) dimmable, constant current type BeautyPower driver. The housing shall be constructed of heavy gauge steel with a smooth powder coat over chromate conversion coat. All hardware to be stainless steel. Bottom access wiring compartment to be supported by aircraft cable for servicing. Optics to be constructed of PMMA complete with a Frosted lens. LED's shall be as specified Shenzhen Runlite Technology Co. Ltd T28351. Fixture shall be UL Safety US-CA , DLC listed.

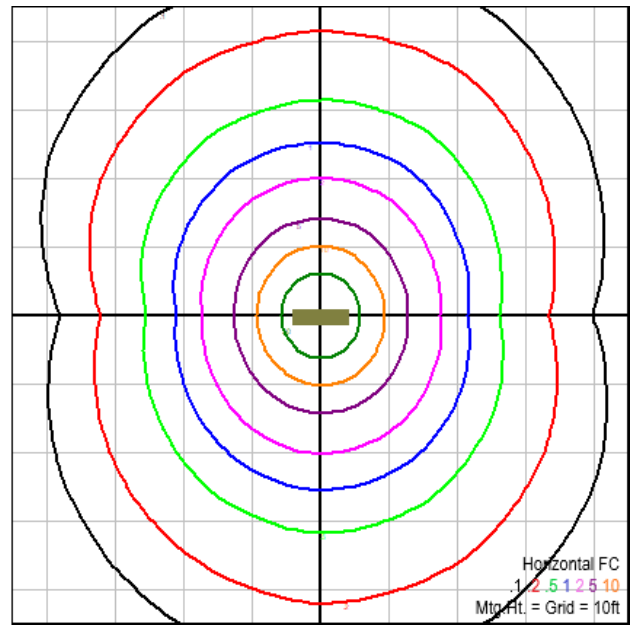


## PERFORMANCE SPECIFICATIONS

Luminance Distribution Chart



Isolux Diagram





|                                |              |
|--------------------------------|--------------|
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**Zonal Lumen Summary**

| Zone  | Lumens  | Zone  | Lumens  | Zone  | Lumens  | Zone    | Lumens | Zone    | Lumens | Zone    | Lumens |
|-------|---------|-------|---------|-------|---------|---------|--------|---------|--------|---------|--------|
| 0-10  | 344.87  | 30-40 | 1895.81 | 60-70 | 1786.99 | 90-100  | 440.4  | 120-130 | 99.59  | 150-160 | 15.93  |
| 10-20 | 994.16  | 40-50 | 2064.36 | 70-80 | 1354.07 | 100-110 | 308.07 | 130-140 | 43.31  | 160-170 | 10.37  |
| 20-30 | 1529.44 | 50-60 | 2027.99 | 80-90 | 789.67  | 110-120 | 189.52 | 140-150 | 20.46  | 170-180 | 3.65   |

**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    | 117 | 117 | 117 | 117 | 113 | 113 | 113 | 113 | 107 | 107 | 107 | 100 | 100 | 100 | 95 | 95 | 95 | 92 |
| 1    | 105 | 99  | 94  | 89  | 101 | 96  | 91  | 87  | 90  | 86  | 83  | 85  | 81  | 79  | 80 | 77 | 75 | 72 |
| 2    | 94  | 85  | 77  | 71  | 91  | 82  | 75  | 69  | 77  | 71  | 66  | 73  | 68  | 63  | 68 | 64 | 61 | 58 |
| 3    | 85  | 74  | 65  | 58  | 82  | 71  | 63  | 56  | 67  | 60  | 54  | 63  | 57  | 52  | 60 | 55 | 50 | 48 |
| 4    | 78  | 65  | 55  | 48  | 75  | 63  | 54  | 47  | 59  | 52  | 46  | 56  | 49  | 44  | 53 | 47 | 43 | 40 |
| 5    | 71  | 57  | 48  | 41  | 68  | 56  | 47  | 40  | 53  | 45  | 39  | 50  | 43  | 38  | 47 | 41 | 37 | 34 |
| 6    | 66  | 51  | 42  | 35  | 63  | 50  | 41  | 35  | 47  | 40  | 34  | 45  | 38  | 33  | 43 | 37 | 32 | 30 |
| 7    | 61  | 47  | 37  | 31  | 58  | 45  | 37  | 31  | 43  | 35  | 30  | 41  | 34  | 29  | 39 | 33 | 28 | 26 |
| 8    | 56  | 42  | 33  | 27  | 54  | 41  | 33  | 27  | 39  | 32  | 26  | 37  | 31  | 26  | 36 | 30 | 25 | 23 |
| 9    | 53  | 39  | 30  | 25  | 51  | 38  | 30  | 24  | 36  | 29  | 24  | 34  | 28  | 23  | 33 | 27 | 23 | 21 |
| 10   | 49  | 36  | 28  | 22  | 47  | 35  | 27  | 22  | 33  | 26  | 21  | 32  | 25  | 21  | 30 | 25 | 20 | 19 |

**Initial Lumen Output:** 13012lm

**Luminaire Type:** Semi-Direct

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

**CCN Number:** IFAM7.E359675

**Efficacy:** 127.07lm/W

**Environmental Rating(s):** IP20

**Certification Standards:** UL Safety US-CA  
, DLC

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

**CBCP:** 3648cd

**UL Classification:** Dry Location Only

**DLC Number:** PR79RNAN

|                         |       |
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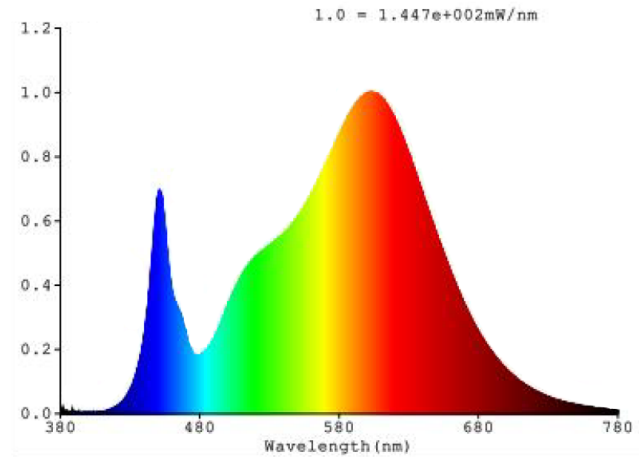
## LED SPECIFICATIONS

### R Tables

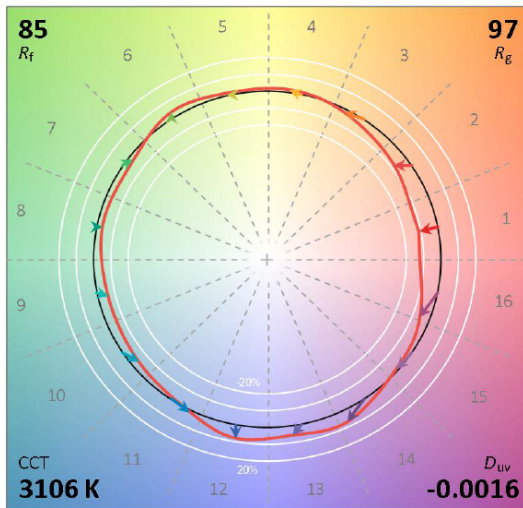
|    |    |
|----|----|
| R1 | 81 |
| R2 | 91 |
| R3 | 96 |
| R4 | 81 |
| R5 | 82 |
| R6 | 90 |
| R7 | 82 |
| R8 | 59 |

|     |    |
|-----|----|
| R9  | 6  |
| R10 | 81 |
| R11 | 80 |
| R12 | 71 |
| R13 | 84 |
| R14 | 98 |
| R15 | 74 |
| Ra  | 85 |

### SPD



### TM-30



Source Type: LED

CRI: >80

L70: 50000 Hrs

Chromaticity: x=0.4310 y=0.3995

Manufacturer: Shenzhen Runlite

Technology Co. Ltd

Rf: 84

L90: 36,000 Hrs

Duv: 0.0014

Part Number: T28351

Rg: 96

Colour Temperature: 3000K



|                                |              |
|--------------------------------|--------------|
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### ELECTRICAL SPECIFICATIONS

**Driver Manufacturer:** BeautyPower  
**Fixture Draw:** 102.4W  
**Over Temperature Protection:** Auto recovery. Current returns to normal after over temperature is removed.

**Input Voltage:** 347Vac  
**Max On-Delay:** < 1 S  
**Short Circuit Protection:** Auto Recovery. The output shall return to normal when the fault condition is removed.

**Input Frequency:** 50-60Hz  
**Dimming:** 1-10Vdc, (10% Min Light Level)  
**Driver Certifications:** c-RU-us Class 2, FCC Part 15 Class B, RoHS

### PHYSICAL SPECIFICATIONS

**Finish Colour:** White  
**Mounting:** Surface, Suspended  
**Lens Type:** Frosted

**Finish Type:** smooth powder coat over chromate conversion coat  
**Housing Material:** heavy gauge steel  
**Reflector Material:** painted steel

**Wiring:** Back and End Knock outs with luminaire disconnect  
**Lens Material:** PMMA  
**Entries:** Knockouts, ends and backside

### SHIPPING INFORMATION

**OrderingCode(s):** TLSF810030K-UN4  
**Carton Quantity:** 6

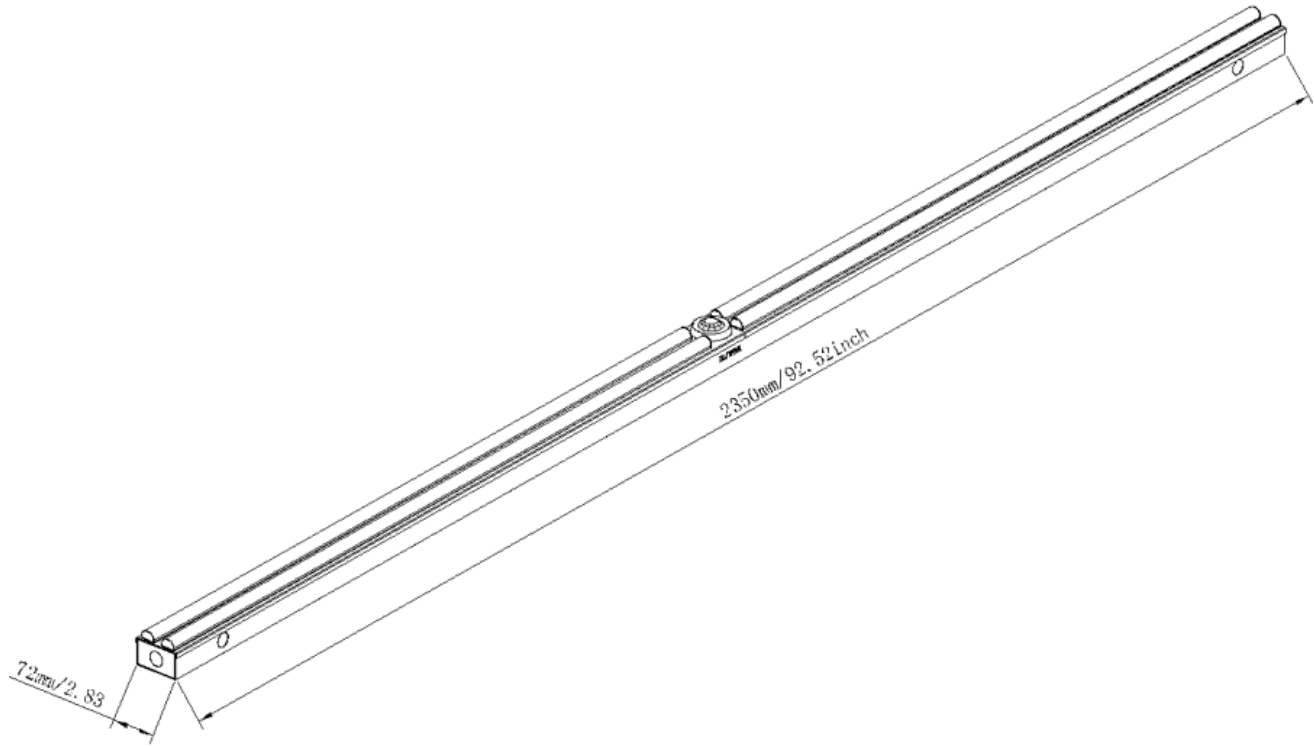
**Box Quantity:** 1

**Box Dimensions (L-W-H):** 2355 x 80 x 90 mm

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## LINE DRAWING

### Line Drawings



## SERIES ARCHITECTURE

### Series Architecture

| Part | Length | Wattage |      | CCT |       | Mounting |         | Voltage |            | Finish  |       | Options |                          |
|------|--------|---------|------|-----|-------|----------|---------|---------|------------|---------|-------|---------|--------------------------|
| TLSF | 4 FT   | 50      | 50W  | 30K | 3000K | [Blank]  | Surface | WRV     | 120-347VAC | [Blank] | White | [Blank] | None                     |
|      | 8 FT   | 100     | 100W | 35K | 3500K |          |         |         |            |         |       | EM      | Emergency Battery Backup |
|      |        |         |      | 40K | 4000K |          |         |         |            |         |       |         |                          |
|      |        |         |      | 50K | 5000K |          |         |         |            |         |       |         |                          |

**Optional Extras:** Z10-IROC-DIM, EM-HBOS, TLSF4-RFWHx2, TLSF8-COMWG