

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

## SERIES SPECIFICATIONS

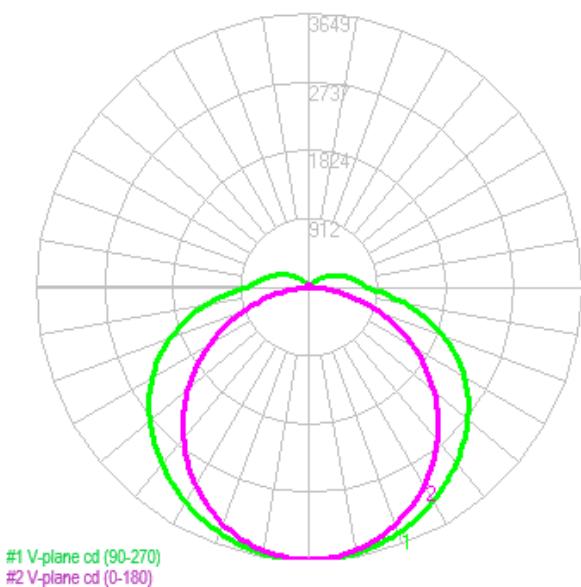


To supply Tamlite TLSF Series of LED fixtures as specified. The luminaire shall operate at 120-277Vac and use a 1-10Vdc, (10% Min Light Level) dimmable, constant current type BeautyPower driver. The housing shall be constructed of heavy gauge steel with a smooth powder coat over chromate conversion coat. All hardware to be stainless steel. Bottom access wiring compartment to be supported by aircraft cable for servicing. Fixtures to come standard with a Z-10 socket and cap. Optics to be constructed of PMMA complete with a Frosted lense. LED's shall be as specified Shenzhen Runlite Technology Co. Ltd T28351. Fixture shall be UL Safety US-CA , DLC listed.

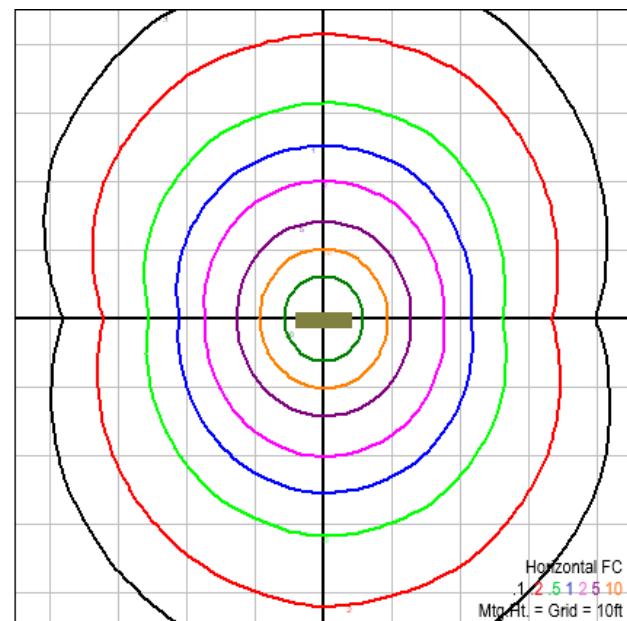


## PERFORMANCE SPECIFICATIONS

Luminance Distribution Chart



Isolux Diagram



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	50	30	10	0
fc	20				20				20				20				20				0
<b>RCR</b>																					
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

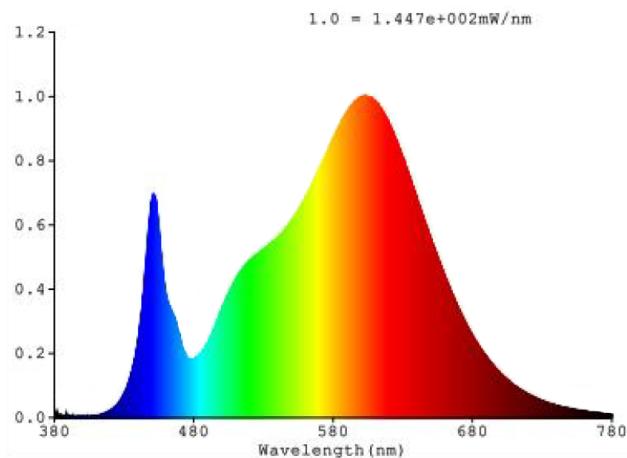
**DLC Number:** PR79RNAN

## LED SPECIFICATIONS

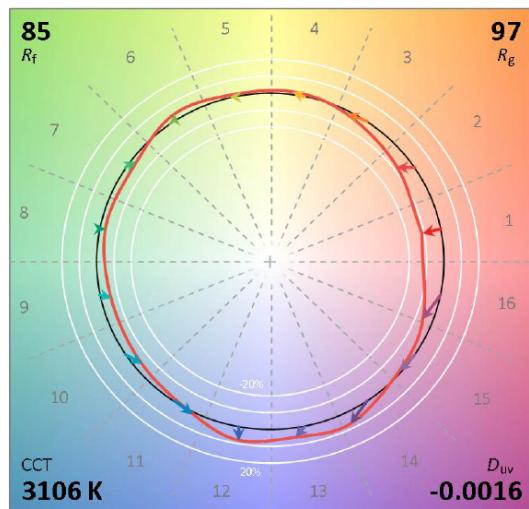
### R Tables

<b>R1</b>	81
<b>R2</b>	91
<b>R3</b>	96
<b>R4</b>	81
<b>R5</b>	82
<b>R6</b>	90
<b>R7</b>	82
<b>R8</b>	59
<b>R9</b>	<b>6</b>
<b>R10</b>	81
<b>R11</b>	80
<b>R12</b>	71
<b>R13</b>	84
<b>R14</b>	98
<b>R15</b>	74
<b>Ra</b>	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

## ELECTRICAL SPECIFICATIONS

**Driver Manufacturer:** BeautyPower  
**Fixture Draw:** 102.4W  
**Dimming:** 1-10Vdc, (10% Min Light Level)  
**Driver Certifications:** c-RU-us Class 2, FCC Part 15 Class B, RoHS

**Input Voltage:** 120~277Vac  
**Max On-Delay:** < 1 S  
**Over Temperature Protection:** Auto recovery. Current returns to normal after over temperature is removed.

**Input Frequency:** 50-60Hz  
**Power Factor @ 120Vac:** >.90  
**Short Circuit Protection:** Auto Recovery. The output shall return to normal when the fault condition is removed.

## 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

**Ordering Code(s):** TLSF810030K-UNV

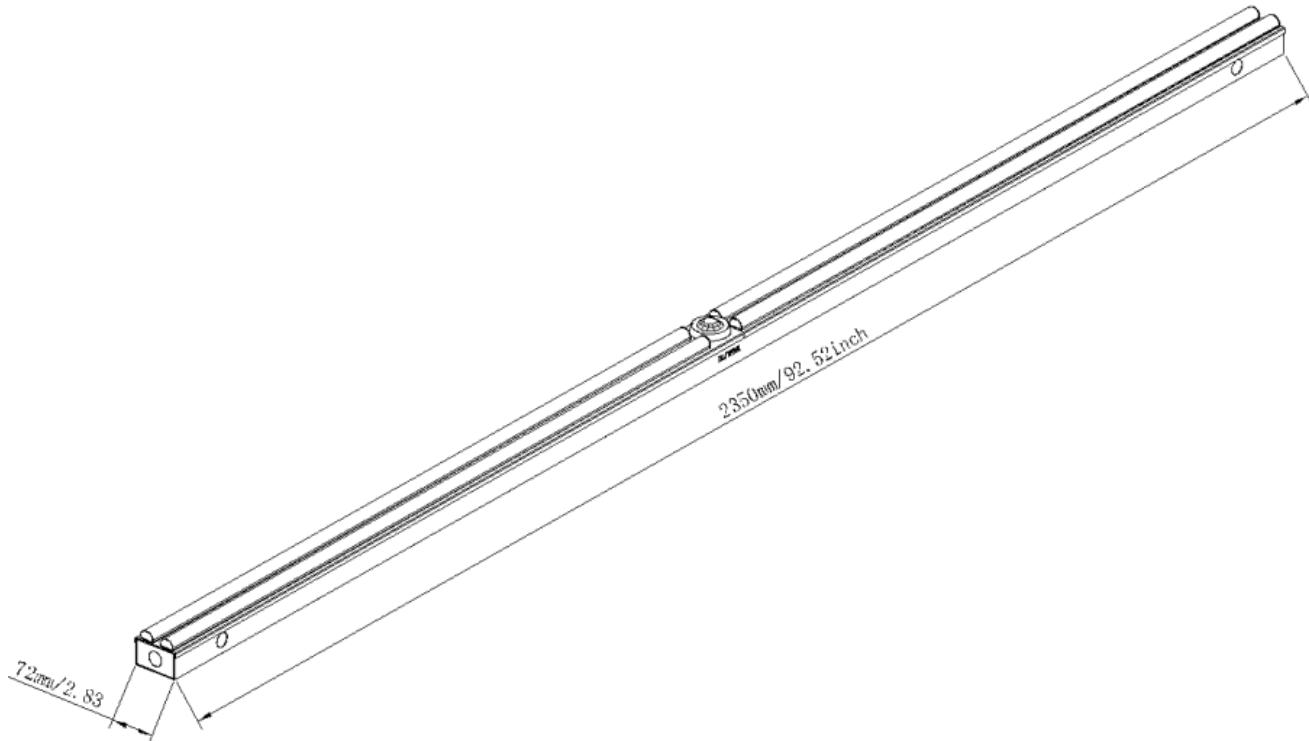
**Carton Quantity:** 6

**Box Quantity:** 1

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

## LINE DRAWING

### Line Drawings



## SERIES ARCHITECTURE

### Series Architecture

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

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