TAMLITE LIGHTING

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.

c UL us LISTED · DLC LISTED · IP20 · DRY LOCATION · 3000K · UNV 120-277 VAC · 5 YEAR LIMITED WARRANTY · LED · RoHS COMPLIANT · MADE TO ORDER

PERFORMANCE SPECIFICATIONS

Luminance Distribution Chart

#1 V-plane cd (90-270)
#2 V-plane cd (0-180)

Isolux Diagram

Horizontal FC
.1 .2 .5 1 2 5 10
Mtg. Ht. = Grid = 10ft

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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
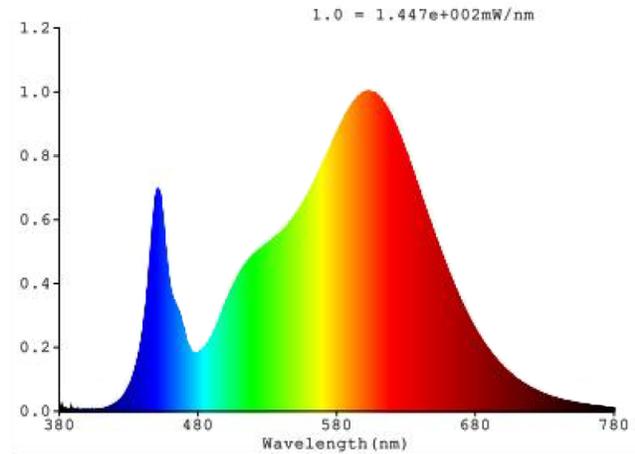**UL Classification:** Dry Location Only
DLC Number: PR79RNAN

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LED SPECIFICATIONS

R Tables

R1	81	R9	6
R2	91	R10	81
R3	96	R11	80
R4	81	R12	71
R5	82	R13	84
R6	90	R14	98
R7	82	R15	74
R8	59	Ra	85

SPD

TM-30
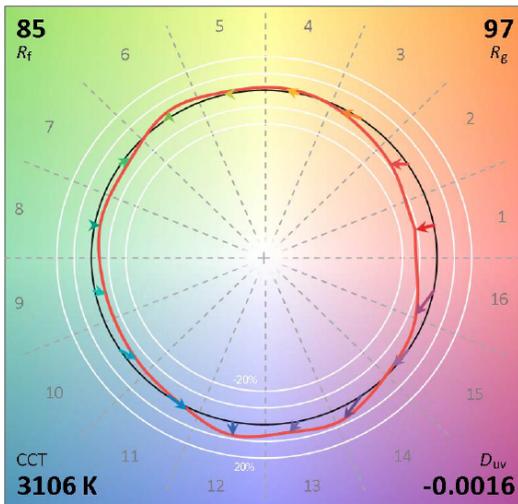
Source Type: LED

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

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

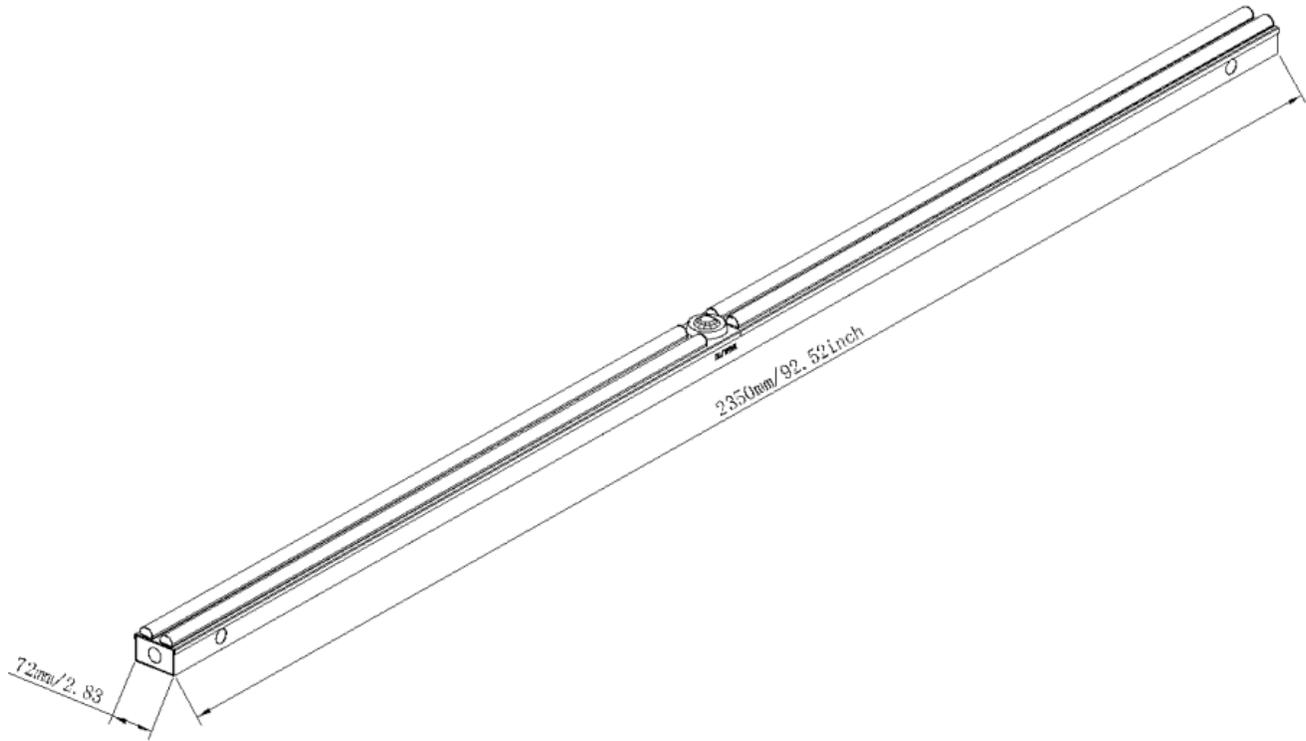**OrderingCode(s):** TLSF810030K-UNV

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

Part	Length		Wattage		CCT		Mounting		Voltage		Finish		Options	
TLSF	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