

Project:	
Location:	
Model#:	TLNR44030K-UNV
Client:	Qty:
Prepared by:	Date:

## SERIES SPECIFICATIONS

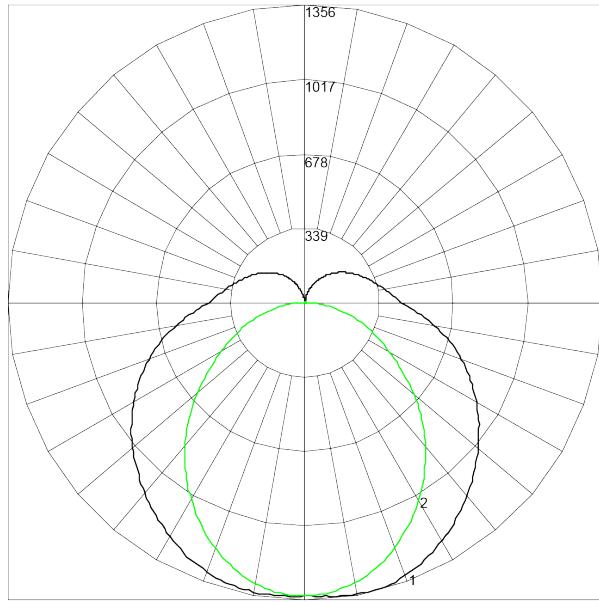


To supply Tamlite TLNR series of LED Wrap fixtures as specified. The luminaire shall operate at 120-277Vac. The housing shall be constructed of powder-coated Aluminium with a heat and impact resistant tempered PMMA lens. All parts shall be corrosion resistant. The LEDs shall be supplied with the luminaire. The fixture shall be cULus Listed.



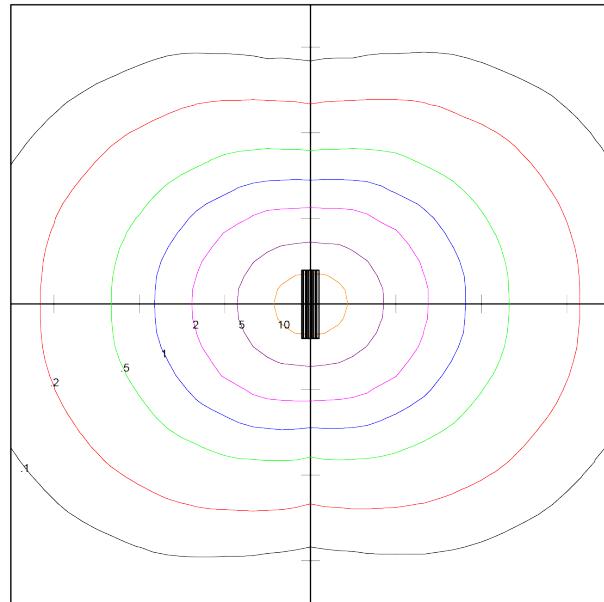
## PERFORMANCE SPECIFICATIONS

**Luminance Distribution Chart**



Maximum Candela = 1356.18 Located At Horizontal Angle = 10, Vertical Angle = 12  
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180)  
 # 2 - Vertical Plane Through Horizontal Angles (90 - 270)

**Isolux Diagram**



Tamlite Lighting  
 TLNR44030K-UNV  
 Tamlite 4FT LED Wrap Fixture

Horizontal Footcandles  
 Scale: 1 Inch = 10 Ft.  
 Light Loss Factor = 1.00  
 Lumens Per Lamp = 5663  
 Total Lamp Lumens = 5663  
 Mounting Height = 10.00 Ft  
 Maximum Calculated Value = 13.38 Fc  
 Arrangement: Single

**Zonal Lumen Summary**

ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS
0-10	127.24	40-50	732.69	80-90	372.5	120-130	126.76	160-170	7.13
10-20	367.94	50-60	711.25	90-100	267.36	130-140	86.63	170-180	0.77
20-30	561.93	60-70	634.27	100-110	216.78	140-150	51.37	--	--
30-40	685.28	70-80	519.09	110-120	170.3	150-160	23.89	--	--

### 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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	87	87	87	87	87	83	
1	102	97	91	87	98	93	88	84	85	81	78	78	75	73	72	70	68	64			
2	92	83	75	69	88	79	72	67	73	67	62	67	63	59	62	58	55	52			
3	83	72	63	56	79	69	61	54	64	57	51	59	53	48	54	49	45	42			
4	76	63	54	47	72	61	52	46	56	49	43	52	46	41	48	43	39	36			
5	70	56	47	40	66	54	45	39	50	43	37	46	40	35	43	37	33	31			
6	64	50	41	35	61	49	40	34	45	38	32	42	35	31	39	33	29	26			
7	59	46	37	30	57	44	36	30	41	34	28	38	32	27	35	30	26	23			
8	55	41	33	27	53	40	32	26	37	30	25	35	28	24	32	27	23	21			
9	52	38	30	24	49	37	29	23	34	27	22	32	26	21	30	24	20	18			
10	48	35	27	22	46	34	26	21	32	25	20	30	24	19	28	22	19	17			

**Initial Lumen Output:** 5223lm

**Field Angle:** 180 deg

**Environmental Rating(s):** IP20

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

, DLC

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

**Efficacy:** 128.61lm/W

**Luminaire Type:** Semi-Direct

**UL Classification:** Dry Location Only

**DLC Number:** WWWBTI

**Beam Angle:** 100 deg

**Spacing Criteria:** 1.2(0-180), 1.28(90-270)

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

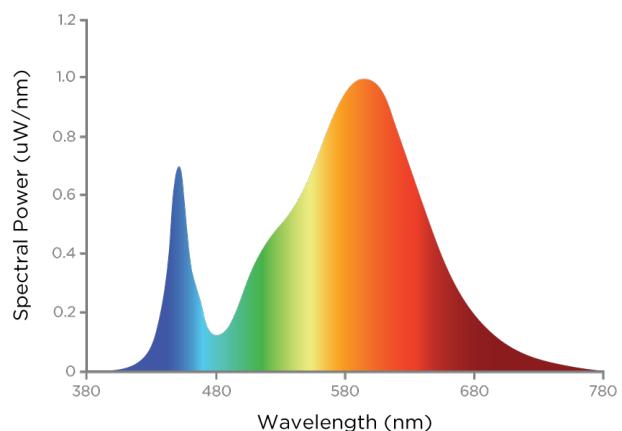
**CCN Number:** IFAM7.E359675

## LED SPECIFICATIONS

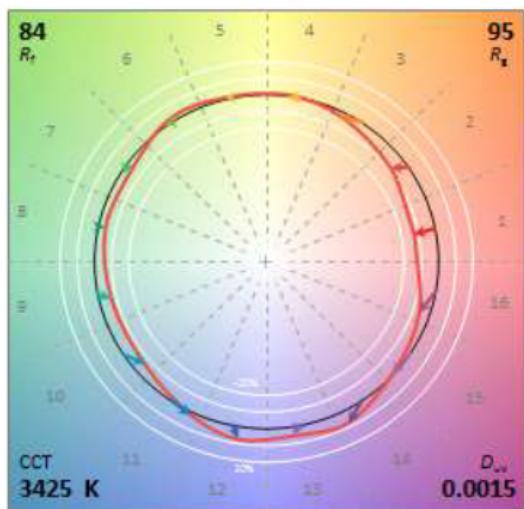
### R Tables

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

### SPD



### TM-30



**Source Type:** LED

**Rg:** 95

**Duv:** 0.0021

**CRI:** >80

**L70:** >50000 Hrs

**Rf:** 85

**Colour Temperature:** 3000K

## ELECTRICAL SPECIFICATIONS

**Driver Manufacturer:** Arcata

**Fixture Draw:** 40.84W

**Max On-Delay:** < 1 S

**Driver Certifications:** c-RU-us Class 2,  
FCC Part 15 Class B, RoHS

**Input Voltage:** 120~277Vac

**Current Draw@ 120Vac:** 0.3397

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

**Input Frequency:** 50-60Hz

**Current Draw@ 277Vac:** 0.1471

**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 Prismatic

**Finish Type:** Textured 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

## SHIPPING INFORMATION

**Ordering Code(s):** TLNR44030K-UNV

**Carton Quantity:** 12

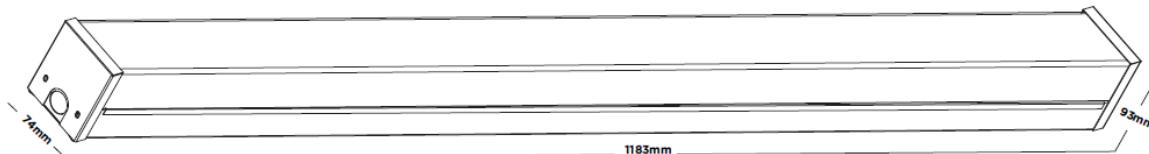
**Box Quantity:** 1

**Carton Dimensions (L-W-H):** 1220 x 315 x  
345mm

**Box Dimensions (L-W-H):** 1205 x 315 x  
345 mm

## LINE DRAWING

### Line Drawings



## SERIES ARCHITECTURE

### Series Architecture

TLNR											
Part	Length	Wattage			Voltage						Options
TLNR	2 2FT	20	20W	30K	3000K	UNV	120-277VAC	[Blank]	White	OC	Occupancy Sensor <sup>1</sup>
	4 4FT	40	40W	35K	3500K	UN4	347VAC			EMOC	Emergency Battery Backup with Occupancy Sensor <sup>2</sup>
				40K	4000K	WRV	120-347VAC				
				45K	4500K					FSIR-100	FSIR-100 Programer
				50K	5000K						

<sup>1</sup>OC defaults settings are; Sensitivity: 100%, Hold Time: 3min, Light Control: Disable, Standby Level: 0%, Standby Time: Infinity

<sup>2</sup>OC and EMOC options are UNV(120-277VAC) only. FSIR-100 Sold Separately

<sup>3</sup>FSIR-100 Sold Separately, one per project minimum