

Project:	
Location:	
Model#: TLNR22030K-UNV	Type:
Client:	Qty:
Prepared by:	Date:

## SERIES SPECIFICATIONS

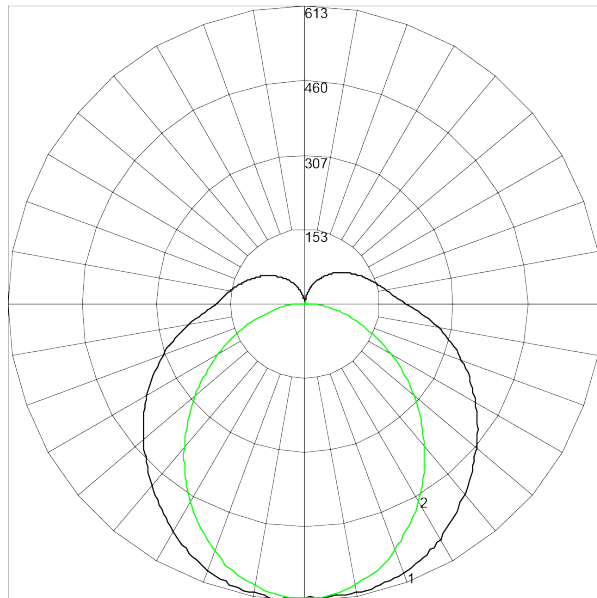


To supply Tamlite TLNR series of LED Wrap fixtures as specified. The luminaire shall operate at 120-277Vac. The housing shall be constructed of powder-coated Aluminium with a heat and impact resistant tempered PMMA lens. All parts shall be corrosion resistant. The LEDs shall be supplied with the luminaire.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



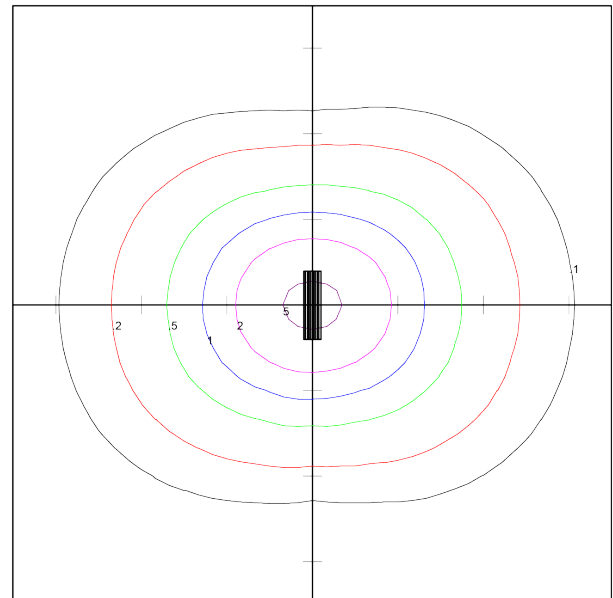
## PERFORMANCE SPECIFICATIONS

**Luminance Distribution Chart**



Maximum Candela = 613.28 Located At Horizontal Angle = 180, Vertical Angle = 5  
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180)  
 # 2 - Vertical Plane Through Horizontal Angles (90 - 270)

**Isolux Diagram**



Tamlite Lighting  
 TLNR22030K-UNV  
 Tamlite 2FT LED Wrap Fixture

Horizontal Footcandles  
 Scale: 1 Inch = 10 Ft.  
 Light Loss Factor = 1.00  
 Lumens Per Lamp = 2491.6  
 Total Lamp Lumens = 2491.6  
 Mounting Height = 10.00 Ft  
 Maximum Calculated Value = 6.08 Fc  
 Arrangement: Single



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### Zonal Lumen Summary

ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS
0-10	57.62	40-50	321.63	80-90	160.02	120-130	56.55	160-170	3.67
10-20	165.44	50-60	310.2	90-100	116.8	130-140	38.98	170-180	0.5
20-30	250.7	60-70	275.72	100-110	95.75	140-150	23.73	--	--
30-40	303.07	70-80	223.84	110-120	75.72	150-160	11.56	--	--

### 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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	83
1	102	97	92	87	98	93	88	84	85	82	78	78	75	73	72	70	68	64
2	92	83	75	69	88	80	73	67	73	68	63	67	63	59	62	58	55	52
3	84	72	63	56	80	69	61	55	64	57	52	59	53	49	54	50	46	43
4	76	64	54	47	73	61	53	46	56	49	43	52	46	41	48	43	39	36
5	70	57	47	40	67	54	46	39	50	43	37	47	40	35	43	38	33	31
6	64	51	41	35	61	49	40	34	45	38	32	42	36	31	39	33	29	27
7	60	46	37	31	57	44	36	30	41	34	28	38	32	27	35	30	26	24
8	55	42	33	27	53	40	32	26	38	30	25	35	29	24	33	27	23	21
9	52	38	30	24	49	37	29	24	34	28	23	32	26	22	30	25	21	19
10	48	35	27	22	46	34	26	21	32	25	21	30	24	20	28	23	19	17

**Initial Lumen Output:** 2451lm

**Beam Angle:** 100 deg

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

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

**CCN Number:** IFAM7.E359675

**Efficacy:** 116.6lm/W

**Field Angle:** 180 deg

**Environmental Rating(s):** IP20

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

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

**CBCP:** 613cd

**Luminaire Type:** Semi-Direct

**UL Classification:** Dry Location Only

**DLC Number:** WWWBTI

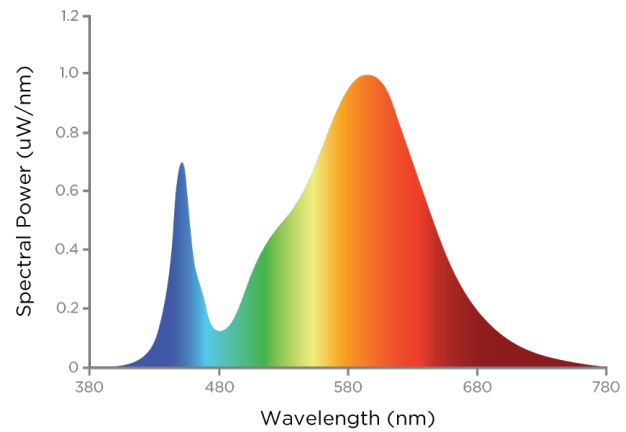
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## LED SPECIFICATIONS

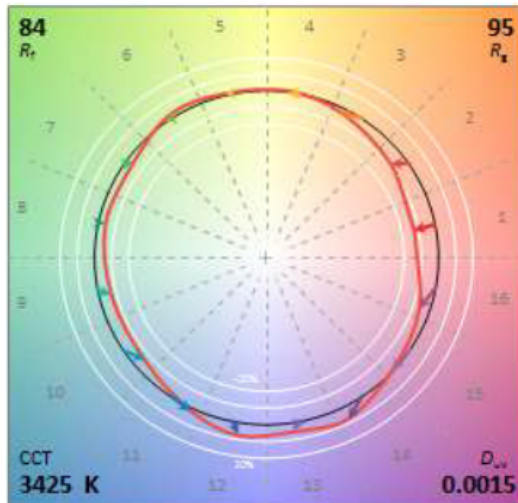
### R Tables

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	--	--

### SPD



### TM-30



Source Type: LED

Rg: 95

Duv: 0.0021

CRI: >80

L70: >50000 Hrs

Rf: 85

Colour Temperature: 3000K

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## ELECTRICAL SPECIFICATIONS

**Driver Manufacturer:** Arcata

**Fixture Draw:** 19.64W

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

**Short Circuit Protection:** Auto Recovery.

The output shall return to normal when the fault condition is removed.

**Input Voltage:** 120~277Vac

**Current Draw@ 120Vac:** 0.1637A

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

**Driver Certifications:** c-RU-us Class 2,

FCC Part 15 Class B, RoHS

**Input Frequency:** 50-60Hz

**Current Draw@ 277Vac:** 0.0709A

**Over Temperature Protection:** Auto

Recovery. The output shall return to normal when the over heating 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

**Entries:** End and back 1/2" knock-outs

## SHIPPING INFORMATION

**OrderingCode(s):** TLNR22030K-UNV

**Carton Quantity:** 24

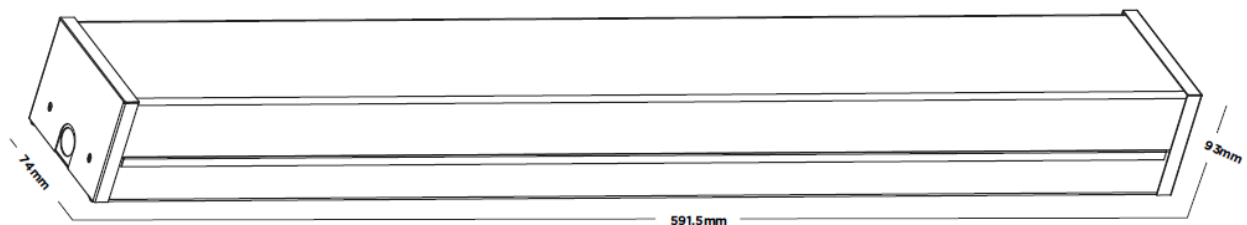
**Box Quantity:** 1

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

**Box Dimensions (L-W-H):** 640 x 100 x 80 mm

## LINE DRAWING

### Line Drawings





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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
					40K 4000K	WRV	120-347VAC				with Occupancy Sensor <sup>2</sup>
					45K 4500K					FSIR-100	FSIR-100 Programmer
					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