

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.



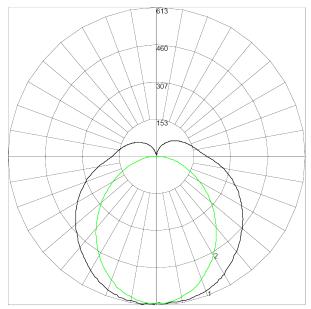






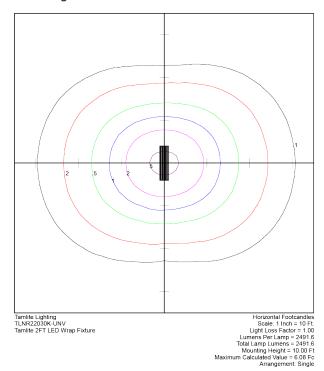
PERFORMANCE SPECIFICATIONS

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





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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

СС	80				80 70			50			30			10			0	
WALL	70	50	30	10	70	50	30	10	50	30	10	50	50 30 10		50	30	10	0
fc		20				2	0	20				20			20		0	
RCR	CR CR																	
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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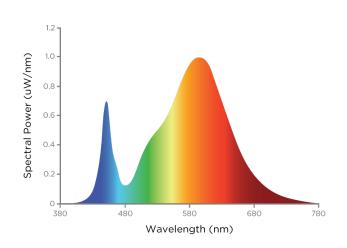
LED SPECIFICATIONS

R Tables

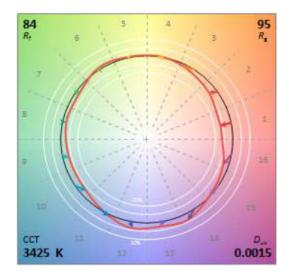
R1	81
R2	91
R3	96
R4	81
R5	82
R6	90
R7	82
R8	59

6
81
80
71
84
98
74

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 (I-W-H): 1220 x 315 x

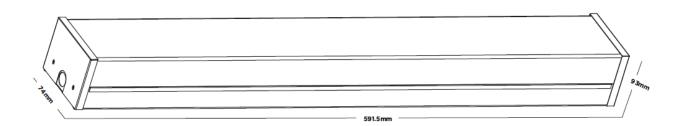
345mm

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	Le	ength	Wa	ttage			Volta	ige			Options		
TLNR	2	2FT	20	20W	30K	3000K	UNV	120-277VAC	[Blank]	White	OC	Occupancy Sensor ¹	
	4	4FT	40	40W	35K	3500K	UN4	347VAC			EM0C	Emergancy Battery Backup	
					40K	4000K	WRV	120-347VAC				with Occupancy Sensor ²	
					45K	4500K					FSIR-100	FSIR-100 Programer	
					50K	5000K							

¹⁰C defaults settings are; Sensitivity: 100%, Hold Time: 3min, Light Control: Disable, Standby Level: 0%, Standby Time: Infinity

²OC and EMOC options are UNV(120-277VAC) only. FSIR-100 Sold Seperately

³FSIR-100 Sold Seperately, one per project minimum