TAMLITE
LIGHTING

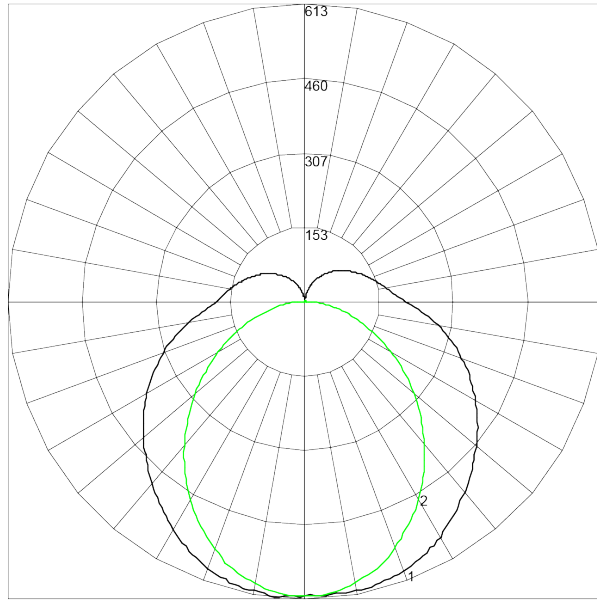| Project:		
Location:		
Model#: TLNR22030K-UN4	**Type:**	
Client:	**Qty:**	
Prepared by:	**Date:**	

SERIES SPECIFICATIONS

To supply Tamlite TLNR series of LED Wrap fixtures as specified. The luminaire shall operate at 347Vac. 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.
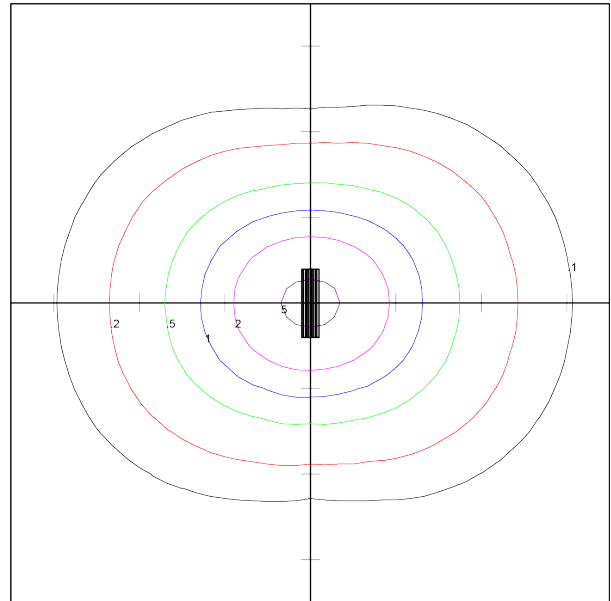
UL CERTIFIED · DLC LISTED · IP20 · DRY LOCATION · DIM 0-10V · LED · RoHS COMPLIANT · MADE TO ORDER

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

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
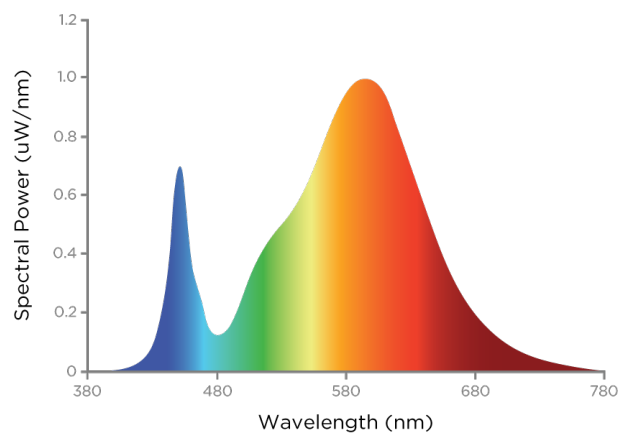**Luminaire Type:** Semi-Direct
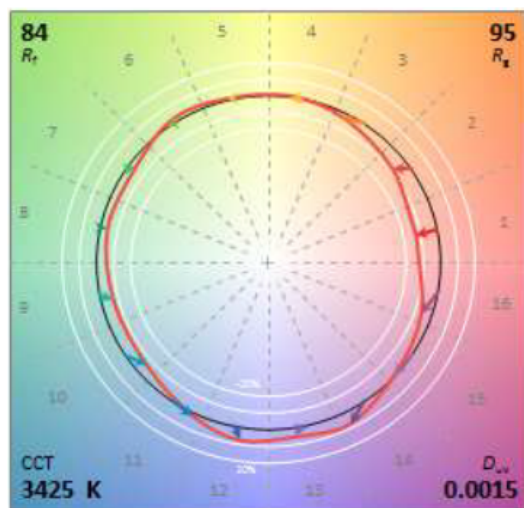**UL Classification:** Dry Location Only
DLC Number: WWWBTI

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

ELECTRICAL SPECIFICATIONS

Driver Manufacturer: Arcata

Fixture Draw: 19.64W

Over Temperature Protection: Auto Recovery. The output shall return to normal when the over heating condition is removed.

Input Voltage: 347Vac

Max On-Delay: < 1 S

Short Circuit Protection: Auto Recovery. The output shall return to normal when the fault condition is removed.

Input Frequency: 50-60Hz

Dimming: 1-10Vdc, (10% Min Light Level)

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

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
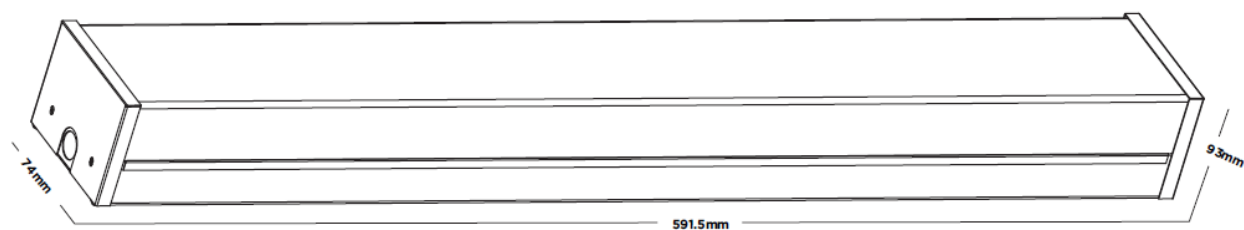
OrderingCode(s): TLNR22030K-UN4

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

74mm · 591.5mm · 93mm

SERIES ARCHITECTURE

Series Architecture

TLNR - ___ - ___ - ___ - ___ - ___ - ___

Part	Length	Wattage			Voltage		[Blank] White	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			EMOC	Emergancy Battery Backup with Occupancy Sensor[2]
			40K 4000K		WRV 120-347VAC			FSIR-100	FSIR-100 Programer
			45K 4500K						
			50K 5000K						

[1] OC defaults settings are; Sensitivity: 100%, Hold Time: 3min, Light Control: Disable, Standby Level: 0%, Standby Time: Infinity

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

[3] FSIR-100 Sold Seperately, one per project minimum

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