Project:	
Location:	
Model#: TLPE143635K-UNV-WH	**Type:**
Client:	**Qty:**
Prepared by:	**Date:**

SERIES SPECIFICATIONS

To supply Tamlite's TLPE Series of LED Panel fixture as specified. The luminaire shall operate at 120-277Vac and use an Everlight approved driver. The frame shall be constructed of painted aluminium with a PMMA diffuser. LEDs shall be as specified Everlight 67-21S LED chips. The luminaire shall be cULus Listed. The fixture shall be DLC listed.

PERFORMANCE SPECIFICATIONS

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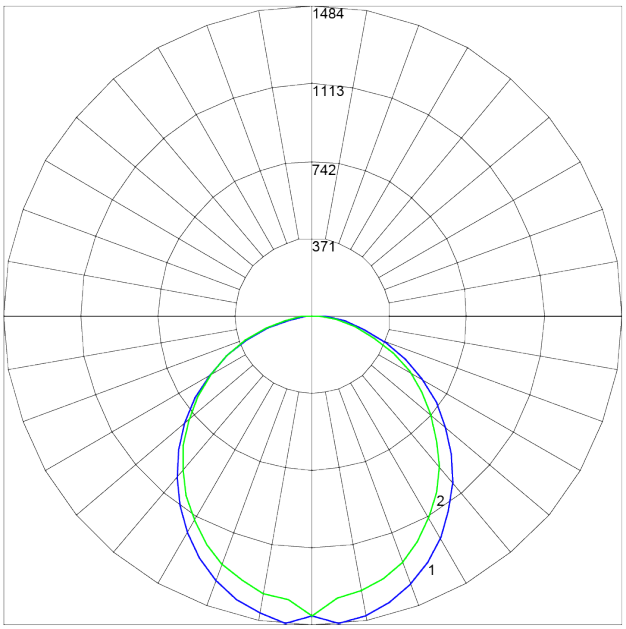
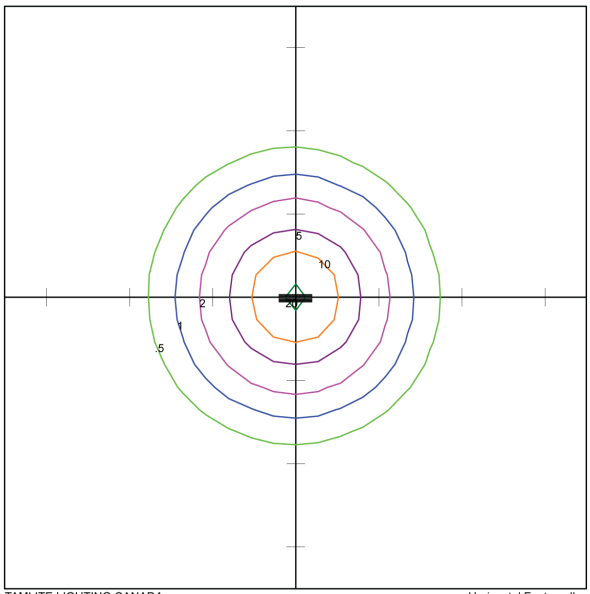
Luminance Distribution Chart



Maximum Candela = 1484.22 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)

Isolux Diagram



TAMLITE LIGHTING CANADA
CALEDON, ONTARIO
TLPE1436-UNV-WH
1X4 36W LED FLAT PANEL
WITH WHITE TRANSLUCENT PANEL
WHITE LEDS. OUTPUT = 3880.77 LMS.

Horizontal Footcandles
Scale: 1 Inch = 10 Ft.
Light Loss Factor = 1.00
Lumens Per Lamp = 3880.77
Total Lamp Lumens = 3880.77
Mounting Height = 8.00 Ft
Maximum Calculated Value = 22.52 Fc
Arrangement: Single

Zonal Lumen Summary

ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS	ZONE	LUMENS
0-10	136.56	40-50	698.91	80-90	60.81	120-130	0.00	160-170	0.00
10-20	388.76	50-60	618.08	90-100	0.00	130-140	0.00	170-180	0.00
20-30	580.95	60-70	458.36	100-110	0.00	140-150	0.00	--	--
30-40	687.75	70-80	250.54	110-120	0.00	150-160	0.00	--	--

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Co-efficient of Utilization

RC	80				70				50			30			10			0
RW	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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	70
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	41	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

Initial Lumen Output: 3880lm
Luminaire Type: Direct
UL Classification: Dry Location Only
CCN Number: IFAO7.E470484

Efficacy: 115.5lm/W
Spacing Criteria: 1.16 (C0-180), 1.34 (C90-270)
Ambient Operating Temp: -20C to +40C
Limited Product Warranty: 5 Year(s)

CBCP: 1475cd
Environmental Rating(s): IP20
Certification Standards: cULus, DLC

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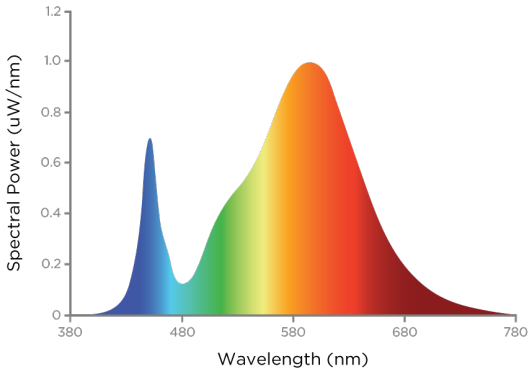
LED SPECIFICATIONS

R Tables

R1	82	R9	7
R2	92	R10	80
R3	96	R11	80
R4	80	R12	66
R5	82	R13	85
R6	89	R14	98
R7	83	R15	75
R8	60	--	--

SPD



Source Type: LED
CRI: >80
Chromaticity: x=0.3790 y=0.3780

Manufacturer: Everlight®
L90: 54,000 Hrs
Colour Tolerance: 3 SDCM

Part Number: 67-21S
Colour Temperature: 3500K
Duv: 0.003

ELECTRICAL SPECIFICATIONS

Driver Manufacturer: Lifud®
Input Frequency: 50-60Hz
Power Factor @277Vac: >.90
Dimming: 1-10Vdc, (10% Min Light Level)
Driver Certifications: c-RU-us Class 2, FCC Part 15 Class B, RoHS

Driver Part Number: LF-GMDxxxYS V
Fixture Draw: 33.6W
THD @ 120Vac(%): <15%
Dimming Current mA: 0.2

Input Voltage: 120~277Vac
Power Factor @120Vac: >.90
THD @277Vac(%): <20%
Short Circuit Protection: Auto Recovery. The output shall return to normal when the fault condition is removed.

PHYSICAL SPECIFICATIONS

Finish Colour: White
Housing Material: Aluminium
Weight: 9.1 kg

Finish Type: Powder Coated
Lens Material: PMMA
Entries: 4.500" Knockouts

Wiring: Junction Box
Lens Type: Diffuser

SHIPPING INFORMATION

OrderingCode(s): TLPE143635K-UNV-WH
Box Weight: 9.5 kg

Box Quantity: 2

Box Dimensions (L-W-H): 715 x 715 x 115 mm

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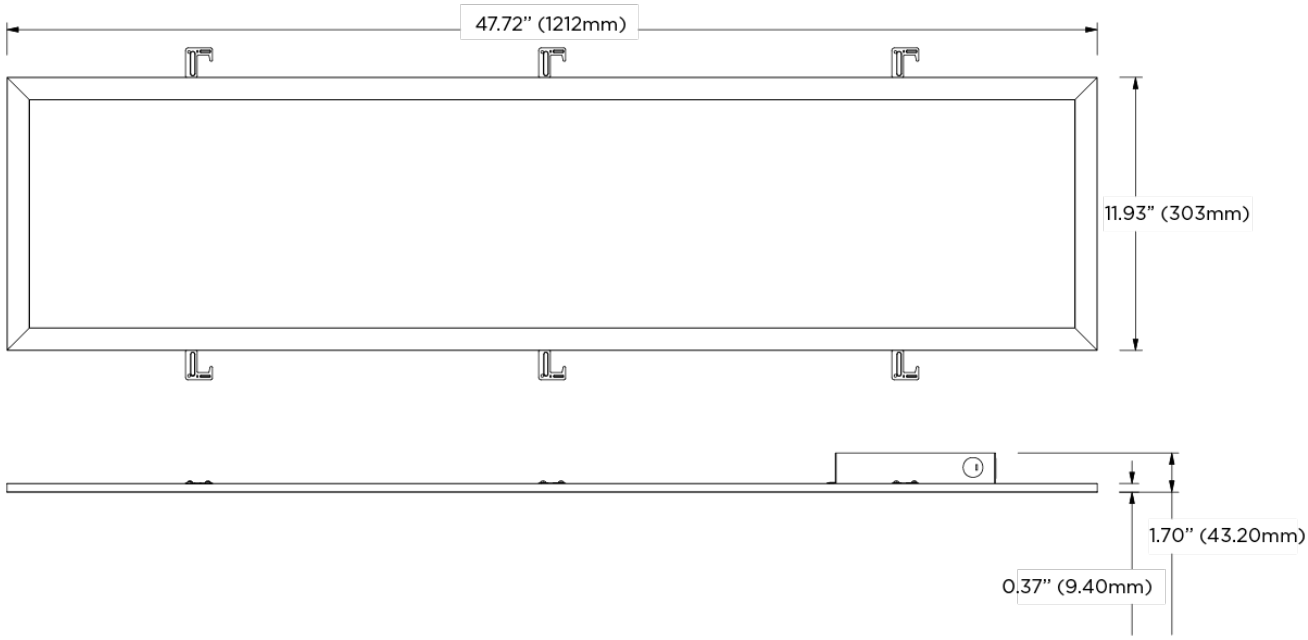
LINE DRAWING

Line Drawings



SERIES ARCHITECTURE

Series Architecture

TLPE Nomenclature

Part	Size		Wattage		CCT		Mounting		Voltage		Finish	
TLPE	14	1x4ft	36	36W	30K	3000K	[blank]	T-Bar	UNV	120-277VAC	WH	White
	22	2x2ft	40	40W	35K	3500K	DF	Drywall Flange	UN4	347VAC		
	24	2x4ft	48	48W	40K	4000K	SF	Surface Mount				
			60	60W	50K	5000K	SU	Suspended				

Optional Extras: TLP14SMK-WH TLP14SPK TLP14DFK-WH, TLPEMK-UNV

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