Teslights+
engineered by UVAX

Smart LED
Thin Panel

OFFICE   HOSPITAL   MEETING ROOM   HOTEL   EXHIBITION HALL

AIRPORT   THEATRE   MALL   SCHOOLS   INDOOR

Utility Rebate Program
PG&E

For additional information, please contact us
www.teslights.com - info@teslights.com

DLC QPL LISTED
c ETL LISTED us   Intertek
lighting facts   A Program of the U.S. DOE
energy   ENERGY STAR
CE
RoHS Compliant
ISO 9001 SGS
UKAS QUALITY MANAGEMENT

Product Description

High performance, uniform light distribution, and an ultra-slim profile design combine to make Teslights Thin Panel LED shine with brilliance above all others.

Teslights Thin Panel LED is the ideal eco-friendly solution for excellence in quality when modernizing offices, commercial areas, and hallways. International certifications and our factory guarantee serve to demonstrate confidence in the world-leading technological expertise now producing Teslights Thin Panel LED.
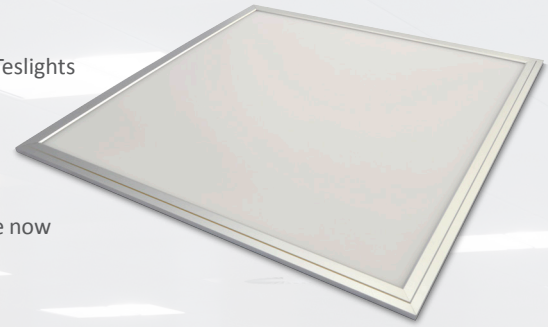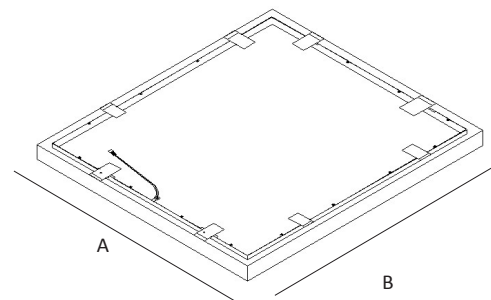
Key Features

The ONLY panel that meets the $30/kilolumen rebate criteria approved by PG&E

- **Thin, sleek design and shallow depth (only 0.25"), compatible with just about any plenum**
- **Clean, crisp light, with the best uniformity**
- **Available in 1x4, 2x2, and 2x4 configurations.**
- **5 year factory warranty, absolutely guaranteed**
- **Available in a range of lumens from 4,500- 6,265 lumens, depending on wattage and dimensions**
- **Eligible for PG&E Deemed Rebate Program**
- **Instant on/off**
- **Excellent color consistency**
- **Modular manufacturing process**

Product Specifications

LED package:	SMD 2835 (0.2W)
Power consumption:	36 - 54W ±5
Operating voltage:	90-277 AC 50/60
Efficacy:	100 lumens per watt
THD:	<15%
PF:	>0.9
CRI:	>80
Dimming:	0-10V
Material:	6030 aluminum alloy base and polycarbonate structure
Beam angle:	120°
Fire rating:	94VO
IP rating:	IP44
Operating temperature:	-25°C ~ + 45°C
Lifespan (L70):	50,000 Hours
Light depreciation:	<30%
Connectivity	E

Product Measurement

Model	Measures (AxB)
TP2/2	600 x 600 mm
TP4/1	1200 x 300 mm
TP4/2	1200 x 600 mm

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Ordering Guide

example: TPW2/2024125DEM41F1205EC

Type	Finish	Size	Watts	Efficiency	Dim or non-dim	Driver	Power	Temperature	Cover	Beam Angle	Warranty	Certifications
TP	**W**	**2/2**	**024**	**125**	**D**	**E**	**M**	**41**	**F**	**120**	**5**	**EC**
TP	S Silver	2/2 2'x2'	24 24W	125 125lm/W	D Dimmable	E External	M 100-277V	30 3000K	F Frost	120 120°	5 5 years	E ETL
	W Withe	4/1 4'x1'	36 36W		N Non-Dimmable		50/60Hz	41 4100K				C DLC
		4/2 4'x2'	48 48W					50 5000K				

example: TPW2/2024100DEM41F1205EC

Type	Finish	Size	Watts	Efficiency	Dim or non-dim	Driver	Power	Temperature	Cover	Beam Angle	Warranty	Certifications
TP	**W**	**2/2**	**024**	**100**	**D**	**E**	**M**	**41**	**F**	**120**	**5**	**EC**
TP	S Silver	2/2 2'x2'	24 24W	120 120lm/W	D Dimmable	E External	M 100-277V	30 3000K	F Frost	120 120°	5 5 years	E ETL
	W Withe	4/1 4'x1'	36 36W	110 110lm/W	N Non-Dimmable		50/60Hz	41 4100K		150 150°		C DLC
		4/2 4'x2'	48 48W	100 100lm/W				50 5000K				
			54 54W									
			60 60W									

Photometric Polar Diagram

example: TPW2/2024120DEM41F1205EC

Installation

1. Turn off the power switch.
2. Connect the imput terminal with utility power (AC 100-227V) by using wiring-unit, make certain that no copper wire is exposed.
3. Ensure cable from lamp to driver is securely connected.
4. Secure with appropiated safety straps as needed.
5. Turn off the power switch.

Attentions:

1. Turn off power to fixture before installing.
2. Do not exceed the reccomended input voltage, or it will damage the panel.
3. Do not alter the panel in any way.

NOTE: If you need photometric information of this or another product, do not hesitate in contact us

NOTE: Reference www.teslights.com/Lighting/Products/ThinPanel for detailed installation instructions

Spectral Power Distribution & Chromaticity Diagram

example: TP2/2P24M125F30

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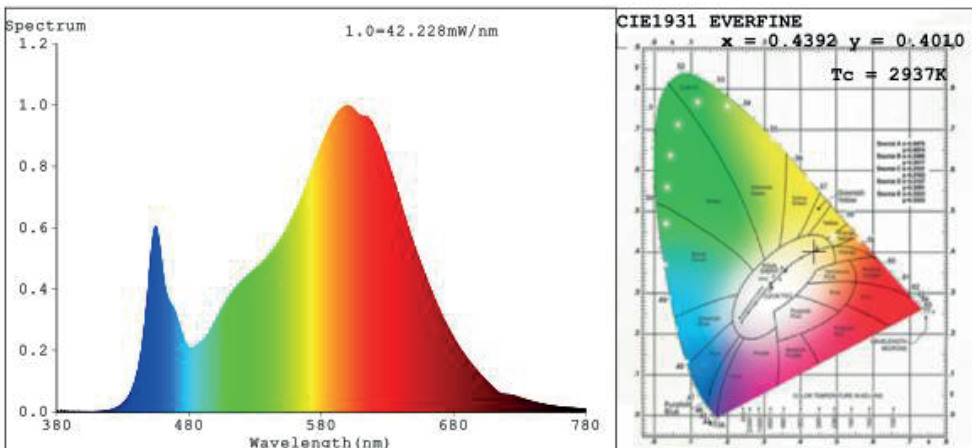
Application Reference

Based on TP2/2P40M100 luminaire
Calculation Grid: 2.5ft

Open Space						
Spacing	Lumens	Wattage	LPW	w/ft2	Average FC	#Luminaries
8'x8'				0.59	44	15
10'x8'	4064	40	100	0.59	41	15
10'x10'				0.47	33	12
10'x12'				0.59	36	15

9' Ceiling, 80/50/20 Reflectances, 2.75 workplane. LLF: 1.0 Initial. Open Space: 24' x 42' x 9'
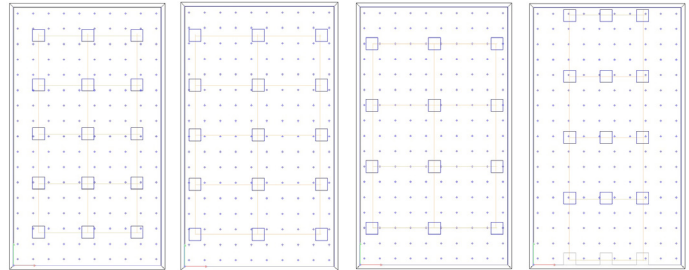
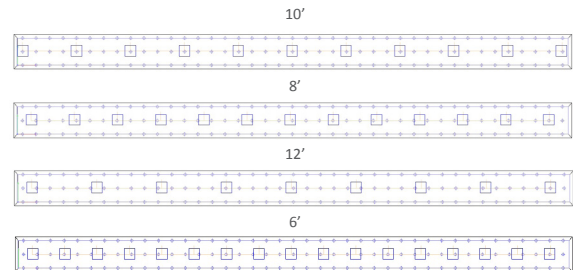8'x8'   10'x8'   10'x10'   10'x12'

Based on TP2/2P40M100 luminaire
Calculation Grid: 2.5ft

Open Space						
Spacing	Lumens	Wattage	LPW	w/ft2	Average FC	#Luminaries
10'				0.86	36	11
8'	4064	40	100	1.01	44	13
12'				0.70	30	9
6'				1.33	58	17

9' Ceiling, 80/50/20 Reflectances, 2.75 workplane. LLF: 1.0 Initial. Open Space: 102' x 5' x 9'

10'
8'
12'
6'

California (PG&E) LED Troffer Rebate Program

Product ID	Calssification	Model Number	Date Qualified	Dimming Status	Rated Light Output (lm)	Rated Luminaire	Rated Wattage	Total Harmonic	Rated Power	Rated CCT (K)	Rated CRI	Rebate
PBXFDKKY	2' x 2' Troffer	TP2/2P48M130F40115	2/8/2016	Dimmable	5984	126	47	15.39	0.9119	4000	80.5	$179.52
P9ENVBRJ	2' x 2' Troffer	TP2/2P48M130F50115	2/8/2016	Dimmable	6067	127	48	15.93	0.9102	5000	79.7	$182.01
PJ7ZXSP3	1' x 4' Troffer	TP4/1P48M130F50115	2/8/2016	Dimmable	5915	129	46	14.58	0.9106	5000	80.2	$177.45
P9PVANPB	1' x 4' Troffer	TP4/1P48M130F40115	2/8/2016	Dimmable	5823	128	46	14.33	0.9089	4000	80	$174.69
P2KTMVSP	2' x 4' Troffer	TP4/2P48M130F40115	2/8/2016	Dimmable	6096	127	48	14.39	0.9108	4000	80.7	$182.88
PYTSUM8J	2' x 4' Troffer	TP4/2P48M130F50115	2/8/2016	Dimmable	6192	129	48	14.63	0.9085	5000	81	$185.76

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