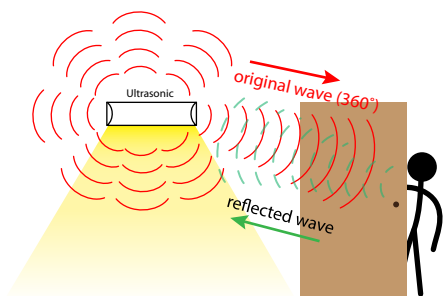


The Titan series is part of our Occu-Smart® S³ product line. Equipped with an ultrasonic motion sensor, the Titan U features bi-level operation with adjustable standby light levels, time delay and sensitivity for maximum energy savings

TTU titan series | ultrasonic motion sensor with adjustable standby



Ultrasonic motion sensors are ideal for stairwells and corridors where 360° coverage can detect motion around barriers such as staircases, workspace partitions, shelves and other obstacles in the area. Recommended for use from 8-12ft mounting

Features and Specifications:

Construction:

- Housings are die-formed of code gauge steel for long-term dependable service
- Knockouts are provided for convenient mounting with recessed or surface power feeds
- Toolless removal of board gear tray allow for easy installation and field maintenance
- Frosted ribbed polycarbonate diffuser retained by injection molded end caps

Sensor:

- Ultrasonic motion sensor with adjustable standby
- 5 minute walk test mode
- Standby levels 10, 25 or 50%
- Time delay 1, 5 or 20 minutes

Size Options:

- Available in 2' and 4' lengths (nominal)

Listing & Ratings:

- Fixtures are U.L. Certified and Union made in the USA
- All electrical components are U.L. listed or recognized

Mounting Options:

- Stem mount or surface mount on ceiling or wall

Driver:

- Universal voltage 120-277V standard
- Custom driver tuning available for specific lumen requirements
- Optional emergency backup available including "UL924" approved

Warranty:

- 5 years - part replacement only (see our terms & conditions page at www.lamarled.com for details)
- See page 2 for lumen chart & dimensions

Ordering Guide / Example

TTU48M-40

TTU				
Series	Size	Power	CCT	General Options
TTU = Titan with ultrasonic motion sensor with adjustable standby	24 = 2' nominal 48 = 4' nominal	L = Low M = Medium H = High	30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K	EM = Emergency pack >90 min., >500 lumens EMB = BABA Compliant Emergency pack >90 min., >500 lumens EMH = Emergency pack >90 min., >1400 lumens (4ft only) ESRU = 120V/277V emergency shunt relay

Consult factory for additional options not shown or listed

Correlated Color Temperatures (CCTs) fall within the nominal range as per ANSI C78.377A

Project Information:

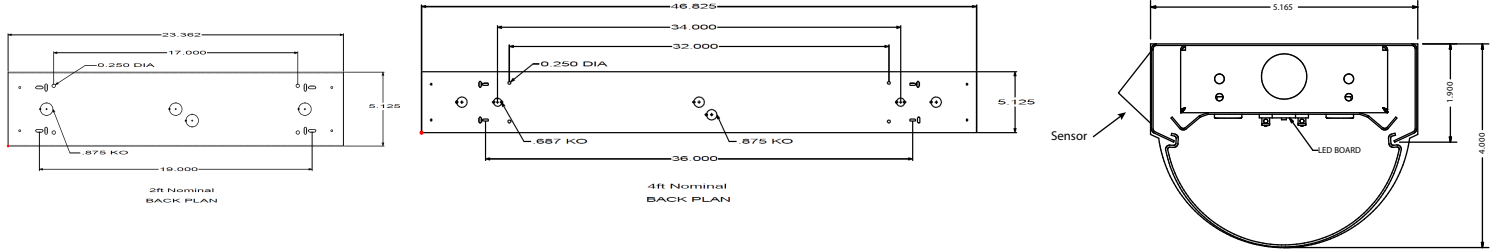
Job Name:	Fixture Type:
Catalog #:	Date:
Comments:	

Certification & Listings:



BEFORE INSTALLATION, PLEASE CONSULT YOUR LOCAL ORDINANCES AND BUILDING CODES FOR COMPLIANCE

Dimensions



LED Lumen/Wattage Chart - 4000K

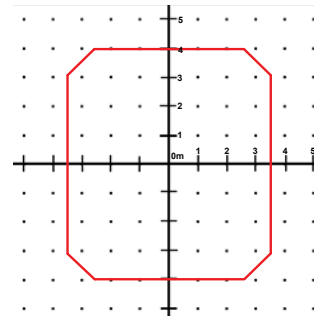
High Mode

	Low (L)	Medium (M)	High (H)
2' (1 Board)	11.8W - 1370 lu	17.3W - 1618 lu	26W - 3045 lu
4' (2 Boards)	19.6W - 2716 lu	29.4W - 3462 lu	50.5W - 5920 lu

Low Mode Wattage

	Low (L)	Medium (M)	High (H)
2' (1 Board)	10% - 4.8W 25% - 5.6W 50% - 7.3W	10% - 4.7W 25% - 6.2W 50% - 10.3W	10% - 4.6W 25% - 7.3W 50% - 14.5W
4' (2 Boards)	10% - 4.8W 25% - 6.6W 50% - 11.4W	10% - 4.8W 25% - 8.9W 50% - 16.4W	10% - 7.3W 25% - 14.6W 50% - 27.7W

Sensor coverage pattern



Photometrics TT(U,H)48M-4

Luminaire Lumens 3,462 / Luminaire Efficacy Rating (LER) 111 / Total Luminaire Watts 31.1
Spacing Criterion (0-180) 1.20 Spacing Criterion (90-270) 1.10

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

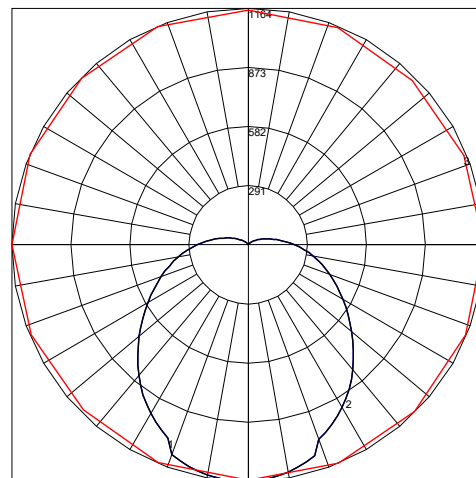
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93			93
1	105	100	95	91	102	97	92	88	91	88	84	86	83	80	81	79	77	74			74
2	95	87	79	73	92	84	77	72	79	74	69	75	70	66	71	67	64	61			61
3	87	76	67	61	84	74	66	60	70	63	58	66	60	56	62	58	54	51			51
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	50	46	44			44
5	73	60	51	44	71	59	50	44	56	48	42	53	46	41	50	45	40	38			38
6	68	54	45	39	65	53	44	38	50	43	37	48	41	36	46	40	35	33			33
7	63	49	40	34	61	48	40	34	46	38	33	44	37	32	42	36	32	29			29
8	59	45	36	31	57	44	36	30	42	35	30	40	34	29	38	33	28	26			26
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24			24
10	51	38	30	25	50	37	30	25	36	29	24	34	28	24	33	27	23	22			22

Maximum Candela = 1163.582 Located at Horizontal Angle = 180, Vertical Angle = 2.5

#1 - Vertical Plane Through Horizontal Angles (180-0) (Through Max. Cd.)

#2 - Vertical Plane Through Horizontal Angles (0-180)

#3 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)



ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	109.41
10-20	306.89
20-30	442.76
30-40	518.19
40-50	517.31
50-60	458.30
60-70	372.82
70-80	281.74
80-90	196.15
90-100	125.36
100-110	72.21
110-120	36.66
120-130	16.00
130-140	5.90
140-150	1.48
150-160	0.41
160-170	0.37
170-180	0.15

For applications with backup generators requiring that connected bi-level lighting to be switched to full light output during power outages regardless of occupancy, we recommend our TTU series with emergency shunt relay (ESRU)

LAMAR LED assumes no responsibility for misapplication of fixtures

Due to the rapid advancements in LED technology, please consult our website for the most current technical data.

Specifications subject to change without notice - Rev 0725