



Catalog Number TCPATLASGS30H

Notes

Type



### Atlas 50W Surface Mount LED Luminaire

**Installation**

Ceiling or wall surface mounted. Before installation, please consult your local ordinances and building codes for compliance.

**Warranty**

Five years against defects in manufacturing.

**Listing**

Driver is UL listed (UL Wet Location pending)

## Atlas 50W Surface Mount LED Luminaire

### Application

TCP's Atlas 50W Surface Mount LED Luminaire is designed for applications that require a surface mounted fixture with a long life and low maintenance requirement. This includes gas station canopies, parking garages, stairwells, walk-in coolers, and other similar applications.

### Description

This LED luminaire was designed for optimum performance and is a more efficient alternative to incandescent, metal halide and linear lamps. The Atlas 50W Surface Mount LED Luminaire is easy to install and has a long life, making it perfect for hard to reach areas.

### Construction

TCP's Atlas 50W Surface Mount LED Luminaire uses 30 High-Power LumiLED Rebel LEDs. It is constructed from heavy gauge sheet aluminum, which is powder coated in a durable white finish. It is 13.25" long, 10.75" wide, 3" deep and weighs 9.7 pounds. It has an IP65 weather rating.

### Electrical

The driver is UL listed, has a power factor of 0.98, and an input voltage of 120-277 VAC (50/60 Hz). The Luminaire is rated at 50 watts, with a THD of less than 10%. Electrical protections include OVP, OCP, SCP, and OTP.

### Performance

- LED Life: 50,000 hrs
- CCT: White 5500°K (Other color temperatures available upon request)
- CRI: 71
- Total Lumen Output: 3386 (IESNA LM-63-02 Test Procedure)
- Lumens Per Watt: 68
- Operating Temperature: -20°F ~ 140°F



Front View

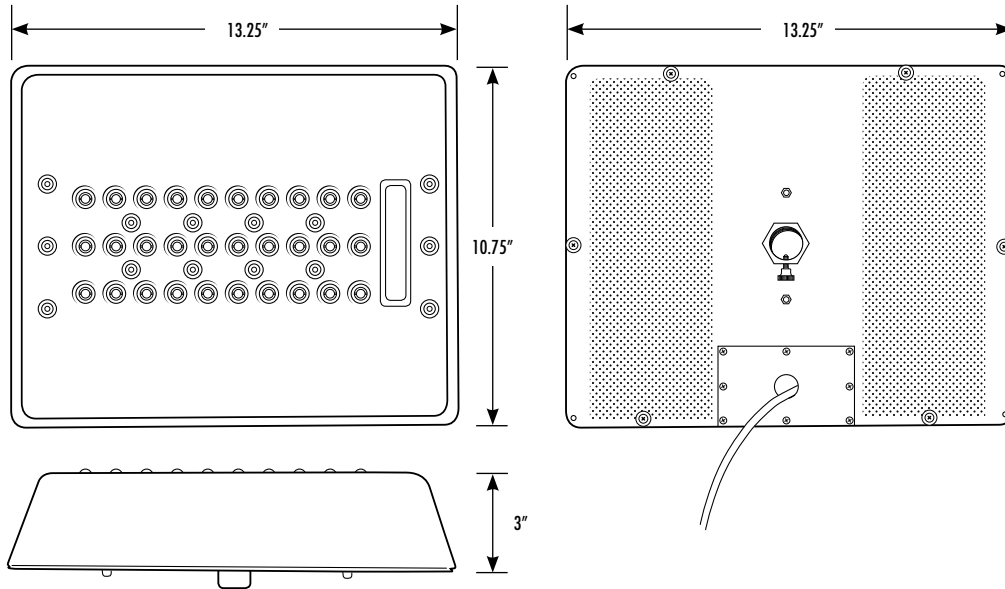


Side View

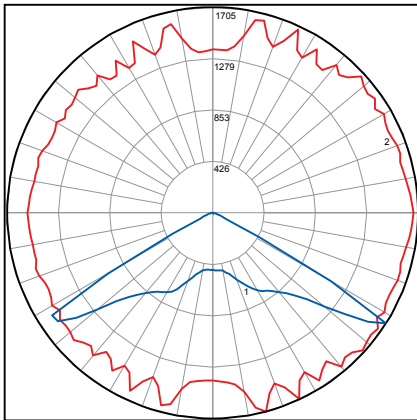


# Atlas 50W Surface Mount LED Luminaire

## Dimensions & Construction



## Photometric Report



Maximum Candela = 48850.961 Located At Horizontal Angle = 0, Vertical Angle = 0  
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
 # 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

### Candela Distribution

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	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	99	91	84	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47
5	73	60	50	43	71	58	49	43	56	48	42	54	47	42	52	46	41	39
6	67	52	43	36	65	51	42	36	49	41	35	48	40	35	46	40	35	32
7	61	46	37	30	59	45	36	30	44	36	30	42	35	30	41	34	29	27
8	56	41	32	26	54	41	32	26	39	31	26	38	31	25	37	30	25	23
9	52	37	28	22	50	37	28	22	35	28	22	34	27	22	33	27	22	20
10	48	34	25	20	47	33	25	19	32	25	19	31	24	19	30	24	19	17

### Zonal Lumen Summary

Zone	Lumens	% Fixt.
0-30	518	15
0-40	1021	30
0-60	3076	91
0-90	3386	100
90-120	0	0
90-130	0	0
90-150	0	0
90-180	0	0
0-180	3386	100

Total Luminaire Efficiency = N.A.%

### Luminaire Data in Candela/ Square Meter

Angle	0.0	45.0	90.0
45°	87772	88336	88965
55°	178102	182167	186453
65°	18511	16515	16337
75°	10030	7213	7762
85°	7651	5312	4992

### Photometric Report

Total Input Watts (120V)	50.0
Luminaire Efficacy Rating (LER)	68%
Spacing Criterion (0-180)	3.20
Spacing Criterion (90-270)	3.06

TCP, Inc.

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