

Catalog Number:	Project Name:	Note:	Date:	Type:
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DESCRIPTION

Portor's TFA is field-adjustable, and can be programmed with a CCT of 3500K, 4000K, or 5000K, eliminating the need to stock multiple color temperatures.

Ideal use for office spaces, walkways, schools/campuses, shopping centers, hospitality and health care industry.



CONSTRUCTION

Constructed of one-piece ribbed unitized housing and corners that interlock, preventing damage to luminaire. All sides and corners are turned in and hemmed, removing sharp edges for safe handling and installation.

ELECTRICAL

Luminaire is built with the highest quality 120-277VAC drivers.

OPTICAL SYSTEM

Designed to reduce glare and improve light distribution through precision formed lens optics.

DIMMING

0-10V dimmable standard

LISTING

UL Listed, DLC Premium Listed

WATTAGE	DELIVERED LUMENS	EFFICACY
42W	4050 @ 3500K	128 lm/W
	5993 @ 4000K	147 lm/W
	5460 @ 5000K	128 lm/W

Based on the higher wattage @ 3500K/4000K/5000K setting. Actual lumens may vary.

TECHNICAL SPECIFICATION

WATTAGE	30W/35W/42W
CCT	3500K/4000K/5000K
CRI	82
DIMMABLE	0-10V dimming
BEAM ANGLE	120°
VOLTAGE	120V-277V
POWER FREQUENCY	50/60 Hz
POWER FACTOR	>0.9
THD	≤10%
WORKING TEMPERATURE	-40°F ~ 122°F
STORAGE TEMPERATURE	-40°F ~ 158°F
IP RATING	IP44, Suitable for damp locations
WARRANTY	5 year limited

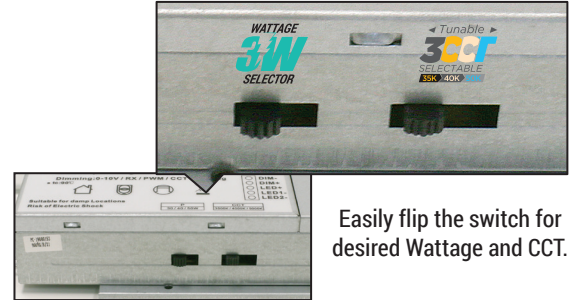
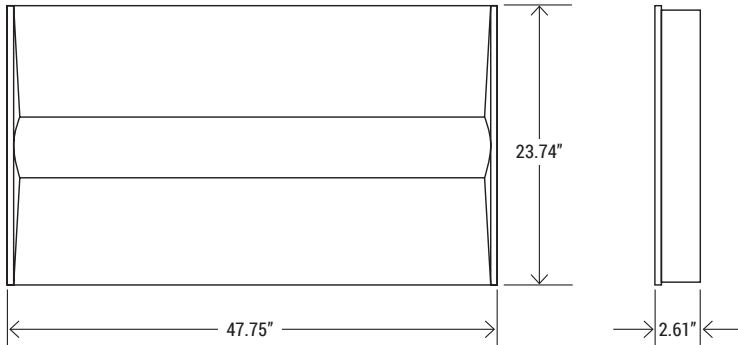


ORDERING SAMPLE: - - - - -

Series	Size	Wattage	CCT	Accessories/Options	
PT-TFA LED Field-Adjustable Troffer	24 (2' x 4')	(Default at 30W) 30W/35W/42W	3CCT (Default @ 4000K) (3500K/4000K/5000K)	Sensor	EM Battery
				MSS-TR MSS-RC-100	PT-A-EM1-15W

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DIMENSION



Easily flip the switch for desired Wattage and CCT.

MOTION SENSOR



MSS-TR
Microwave Bi-Level Motion Sensor for Troffer



MSS-RC-100
Indoor Sensor Remote Programmer for Troffer

OPTIONS



PT-A-EM1-15W
LED Emergency Driver



DLC LISTING

CATALOG NUMBER	WATTAGE	DELIVERED LUMENS	EFFICACY	DLC PRODUCT ID	CLASSIFICATION
PT-TFA-24-3CCT	42W	4050 @ 3500K	128 lm/W	PLPCI6H8S8VY	PREMIUM
		5993 @ 4000K	147 lm/W		
		5460 @ 5000K	128 lm/W		

Based on the higher wattage @ 3500K/5000K setting. Actual lumens may vary.

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PHOTOMETRY

PT-TFA-24-3CCT

Wattage: **42W**

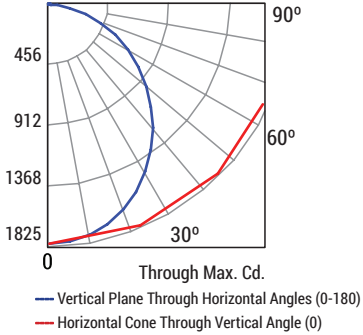
Delivered lumens: **5543**

Efficacy: **132 lm/W**

CCT: **3500K**

CRI: **82**

Maximum Candela : 1824.6



RCR	Coefficients of Utilization											
	20%											
	80%			70%			50%			30%		
0	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	110%	120%
1	108	103	98	94	105	100	96	92	96	93	89	
2	97	89	81	75	95	87	80	74	83	77	73	
3	89	77	69	62	86	76	68	61	73	66	60	
4	81	68	59	52	78	67	58	52	64	57	51	
5	74	61	52	45	72	60	51	44	58	50	44	
6	68	55	45	39	67	54	45	39	52	44	38	
7	63	50	41	34	62	49	40	34	47	39	34	
8	59	45	36	30	57	44	36	30	42	36	30	
9	55	41	33	27	54	41	33	27	40	32	27	
10	52	38	30	25	50	38	30	25	37	30	25	

CP Summary

	0°	90°
0°	1824.6	1824.6
5°	1819.4	1818.3
15°	1749.1	1766.2
25°	1604.2	1661.9
35°	1400.1	1510.4
45°	1152.4	1322.5
55°	884.2	1135.5
65°	606.7	928.4
75°	338.5	628.0
85°	99.8	168.5
90°	2.2	0.0

Zonal Lumen Summary

	Lumens	%Lamp	%Fixture
0° - 20°	666.15	12.00	12.00
0° - 30°	1412.48	25.50	25.50
0° - 40°	2311.75	41.70	41.70
0° - 60°	4133.37	74.60	74.60
0° - 80°	5379.37	97.00	97.00
0° - 90°	5540.48	100.00	100.00

PT-TFA-24-3CCT

Wattage: **42W**

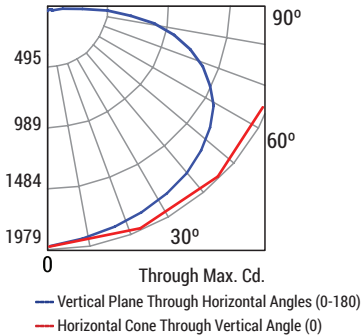
Delivered lumens: **5993**

Efficacy: **147 lm/W**

CCT: **4000K**

CRI: **82**

Maximum Candela : 1978.76



RCR	Coefficients of Utilization											
	20%											
	80%			70%			50%			30%		
0	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	110%	120%
1	107	102	97	93	105	100	96	92	96	92	89	
2	97	88	81	75	94	86	80	74	83	77	72	
3	88	77	68	61	86	75	67	61	72	65	60	
4	81	68	59	52	78	67	58	52	64	57	51	
5	74	61	51	44	72	59	51	44	57	49	43	
6	68	54	45	38	66	53	45	38	52	44	38	
7	63	49	40	34	61	48	40	34	47	39	34	
8	59	45	36	30	57	44	36	30	43	35	30	
9	55	41	33	27	53	41	33	27	39	32	27	
10	51	38	30	25	50	37	30	24	36	29	24	

CP Summary

	0°	90°
0°	1978.76	1978.76
5°	1941.80	1966.62
15°	1867.87	1880.97
25°	1765.73	1706.96
35°	1578.94	1490.67
45°	1392.14	1236.71
55°	1163.79	933.72
65°	935.43	643.27
75°	594.46	370.60
85°	215.95	104.99
90°	26.70	27.81

Zonal Lumen Summary

	Lumens	%Lamp	%Fixture
0° - 20°	712.35	11.90	11.90
0° - 30°	1512.24	25.20	25.20
0° - 40°	2475.03	41.30	41.30
0° - 60°	4433.09	73.90	74.00
0° - 80°	5777.06	96.30	96.40
0° - 90°	5992.72	99.90	100.00

PT-TFA-24-3CCT

Wattage: **42W**

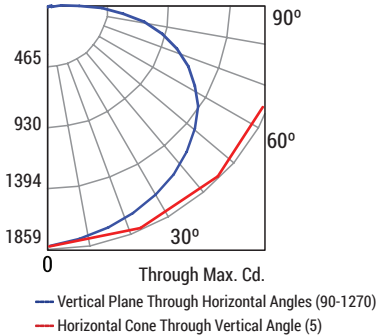
Delivered lumens: **5660**

Efficacy: **135 lm/W**

CCT: **5000K**

CRI: **82**

Maximum Candela : 1859.1



RCR	Coefficients of Utilization											
	20%											
	80%			70%			50%			30%		
0	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	110%	120%
1	108	103	98	94	105	100	96	92	96	93	89	
2	97	89	81	75	95	87	80	74	83	77	73	
3	89	77	69	62	86	76	68	61	73	66	60	
4	81	68	59	52	78	67	58	52	64	57	51	
5	74	61	52	45	72	60	51	44	58	50	44	
6	68	55	45	39	67	54	45	39	52	44	38	
7	63	50	41	34	62	49	40	34	47	39	34	
8	59	45	36	30	57	44	36	30	43	36	30	
9	55	41	33	27	54	41	33	27	40	32	27	
10	52	38	30	25	50	38	30	25	37	30	25	

CP Summary

	0°	90°
0°	1858.7	1858.7
5°	1852.7	1859.1
15°	1779.0	1818.0
25°	1632.1	1722.9
35°	1423.8	1578.1
45°	1173.1	1392.4
55°	899.8	1207.1
65°	613.5	998.0
75°	343.7	679.5
85°	98.4	171.3
90°	2.8	0.0

Zonal Lumen Summary

	Lumens	%Lamp	%Fixture
0° - 20°	678.74	12.00	12.00
0° - 30°	1439.42	25.40	25.40
0° - 40°	2356.56	41.60	41.60
0° - 60°	4216.62	74.50	74.50
0° - 80°	5491.80	97.00	97.00
0° - 90°	5657.42	100.00	100.00