TAMLITE LIGHTING

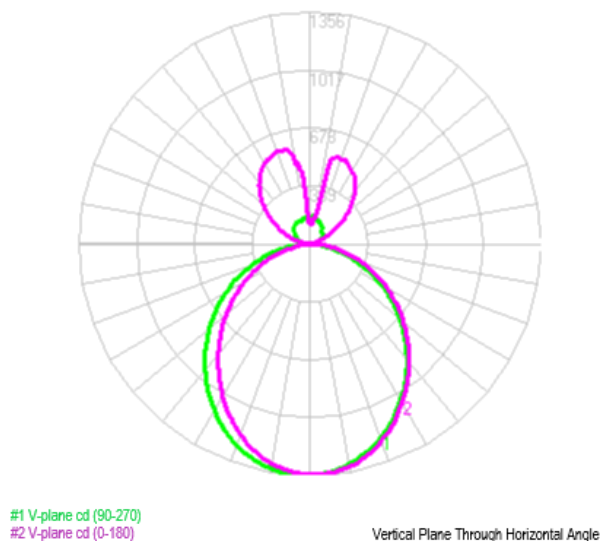| Project:		
Location:		
Model#: PET440SWDI-WRV-WH	**Type:**	
Client:	**Qty:**	
Prepared by:	**Date:**	

SERIES SPECIFICATIONS

To supply Tamlite's PET Series 4ft Direct - Indirect luminaire. The Aluminium body and machined endcaps shall be White Electrostatic Polyester Powder Coat painted parts that are treated with a five stage phosphate bonding process. The driver shall operate from 120-347Vac and be a dimmable Class II/P driver, integrating 0-10Vdc, (0% Min Light Level). Lensing shall be Polycarbonate and easily removable for maintenance and assembly. Fixture shall be IP20, Dry Location Only listed. Fixture shall be UL Safety US-CA listed.
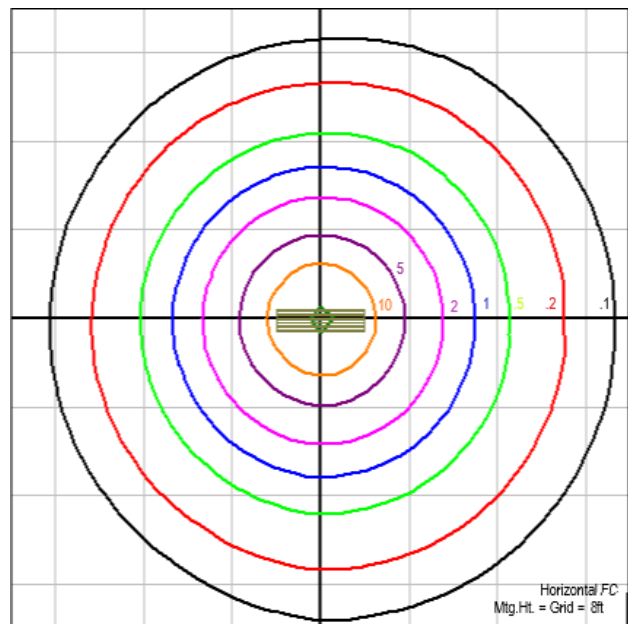
c(UL)us LISTED · IP20 · DRY LOCATION · WRV 120-347 VAC · DIM 0-10V · LED · SELECTABLE WHITE · 5 YEAR LIMITED WARRANTY

PERFORMANCE SPECIFICATIONS

Luminance Distribution Chart

#1 V-plane cd (90-270)
#2 V-plane cd (0-180)

Vertical Plane Through Horizontal Angle

Isolux Diagram

Horizontal FC
Mtg.Ht. = Grid = 8ft

Zonal Lumen Summary

Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens
0-10	127.26	30-40	616.4	60-70	400.8	90-100	18.62	120-130	202.79	150-160	187.24
10-20	359.18	40-50	617.39	70-80	218.91	100-110	68.23	130-140	246.78	160-170	100.77
20-30	529.48	50-60	540.94	80-90	52.87	110-120	134.25	140-150	243.98	170-180	20.51

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
RF	20				20				20			20			20			20
0	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74
1	103	99	95	91	98	94	90	87	85	82	80	77	75	73	69	68	66	62
2	94	86	80	75	89	82	77	72	75	70	66	67	64	61	61	58	56	52
3	86	76	68	62	81	72	66	60	66	60	56	60	55	51	54	50	47	44
4	79	67	59	53	74	64	57	51	59	52	48	53	48	44	48	44	41	38
5	72	60	52	45	68	58	50	44	53	46	41	48	43	38	44	39	36	33
6	67	54	46	40	63	52	44	38	47	41	36	43	38	34	40	35	31	29
7	62	49	41	35	59	47	39	34	43	37	32	39	34	30	36	32	28	26
8	57	45	37	31	54	43	35	30	39	33	28	36	31	27	33	29	25	23
9	54	41	33	28	51	39	32	27	36	30	26	33	28	24	31	26	23	21
10	50	38	30	25	48	36	29	25	33	27	23	31	26	22	28	24	21	19

Initial Lumen Output: 3463lm / 1223lm D/I

CBCP: 1355cd

Luminaire Type: Suspended Direct - Indirect

UL Classification: Dry Location Only

Limited Product Warranty: 5 Year(s)

Efficacy: 111lm/W

Beam Angle: 100 deg

Spacing Criteria: 1.22 (0-180) 1.2 (90-270)

Certification Standards: UL Safety US-CA

Max Candela: 1355cd

Field Angle: 156 deg

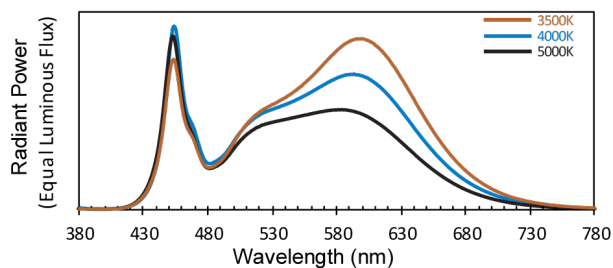**Environmental Rating(s):** IP20

CCN Number: IFAM7.E359675

LED SPECIFICATIONS

R Tables

R1	83		**R9**	8
R2	93		**R10**	83
R3	95		**R11**	81
R4	81		**R12**	74
R5	83		**R13**	85
R6	92		**R14**	98
R7	82		**R15**	74
R8	59		**Ra**	85

SPD

Source Type: LED
L90: > 50,000 hrs.

Rf: 85
Colour Temperature: 3000K, 3500K, 4000K, 5000K Field Selectable

Rg: 95

ELECTRICAL SPECIFICATIONS

Driver Manufacturer: ARC Smart Electronic Co. Ltd.
Fixture Draw: 42.14W
Current Draw at 347Vac: 0.1214A
Power Factor at 277Vac: > 0.90
THD at 347Vac(%): < 10%
Short Circuit Protection: Auto recovery. The output recovers when short is removed.

Input Voltage: 120-347Vac
Current Draw at 120Vac: 0.3512
Max On-Delay: < 1 S
Power Factor at 347Vac: > 0.90
Dimming: 0-10Vdc, (0% Min Light Level)

Input Frequency: 50/60 hz
Current Draw at 277Vac: 0.1521A
Power Factor at 120Vac: > 0.90
THD at 120Vac(%): < 5%
Over Temperature Protection: Auto recovery. The output recovers when the temperature returns to normal.

PHYSICAL SPECIFICATIONS

Finish Colour: White

Mounting: Surface mounting hardware included

Lens Type: Opal

Finish Type: Electrostatic Polyester Powder Coat

Housing Material: Aluminium

Entries: 2 1/2inch knock-outs on fixture back

Wiring: Internal, L, N, G and 0-10Vdc wires

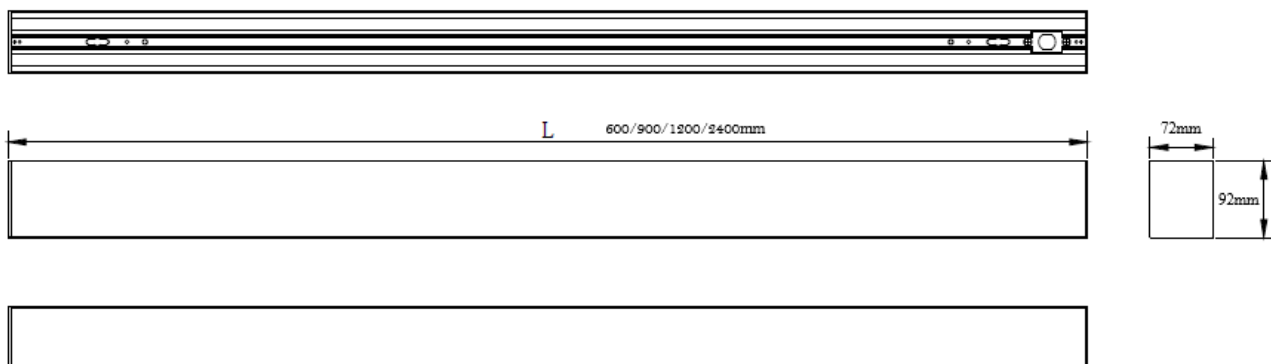**Lens Material:** Polycarbonate

SHIPPING INFORMATION

OrderingCode(s): PET440SWDI-WRV-WH

Box Quantity: 1

Box Dimensions (L-W-H): 1200x72x92mm (48x2-13/26x3-5/8in)

LINE DRAWING

Line Drawings

SERIES ARCHITECTURE

Optional Extras: PET-C10, PET-JL-SWD-WH, PET-JT-SWD-WH, PET-JX-SWD-WH, PET-J120-SWD-WH, PET-MUDKIT4, PET-RECKIT4, PET-SUSKIT6, PET-TBARKIT, PET-WMKIT