

Project:	
Location:	
Model#: BLP1436SW-WRV-WH	Type:
Client:	Qty:
Prepared by:	Date:

## SERIES SPECIFICATIONS

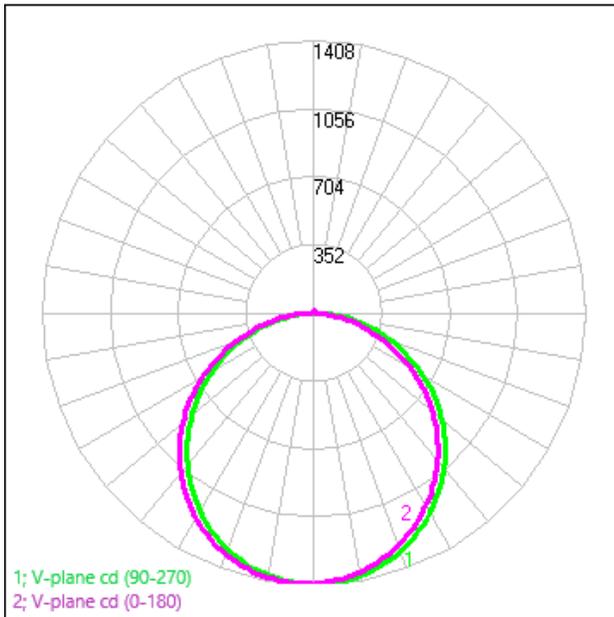


To supply Tamlite's BLP Series of LED Back Lit Panel fixture as specified. The luminaire shall operate at 120-347Vac and provide for three levels of wattage selection. The frame shall be constructed of painted aluminium with a PMMA diffuser. LEDs shall be as specified Samsung Electronics SPMWHR LED chips, providing for three selectable CCT; 3500K, 4000K or 5000K. The luminaire shall be cETLus Listed as well as DLC Listed.

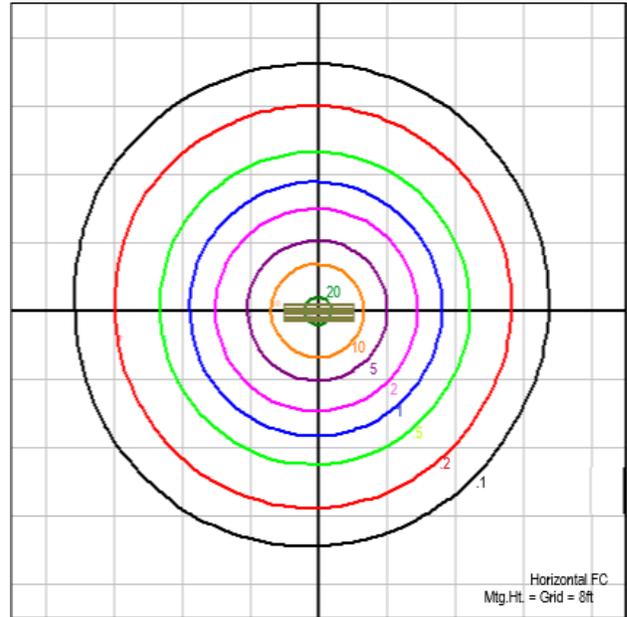


## PERFORMANCE SPECIFICATIONS

Luminance Distribution Chart



Isolux Diagram



Zonal Lumen Summary

Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens
0-10	132.97	30-40	699.73	60-70	509.65	90-100	4.76	120-130	6.69	150-160	5.21
10-20	381.15	40-50	728.63	70-80	302.58	100-110	5.12	130-140	6.84	160-170	3.43
20-30	578.67	50-60	661.65	80-90	91.22	110-120	6.12	140-150	6.4	170-180	1.2



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**Co-efficient of Utilization**

CC	80				70				50			30			10			0
WALL	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
fc	20				20				20			20			20			0
RCR																		
0	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101	99
1	108	103	99	95	105	101	97	93	96	93	90	92	90	87	89	86	84	82
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	77	74	70	68
3	89	79	70	64	87	77	69	63	74	67	62	71	65	61	68	64	59	57
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	49	43	39	37
7	64	51	42	36	62	50	41	35	48	41	35	47	40	35	45	39	34	32
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	41	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	37	30	26	36	30	25	35	29	25	23

**Initial Lumen Output:** 4131lm (4000K)  
**Luminaire Type:** Direct  
**UL Classification:** Dry Location Only  
**DLC Number:** PU5HFBQ1

**Efficacy:** 118lm/W  
**Spacing Criteria:** 1.27 (C0-180), 1.27 (C90-270)  
**Ambient Operating Temp:** -20C to +40C  
**Limited Product Warranty:** 5 Year(s)

**CBCP:** 1413cd  
**Environmental Rating(s):** IP20  
**Certification Standards:** cETLus, DLC

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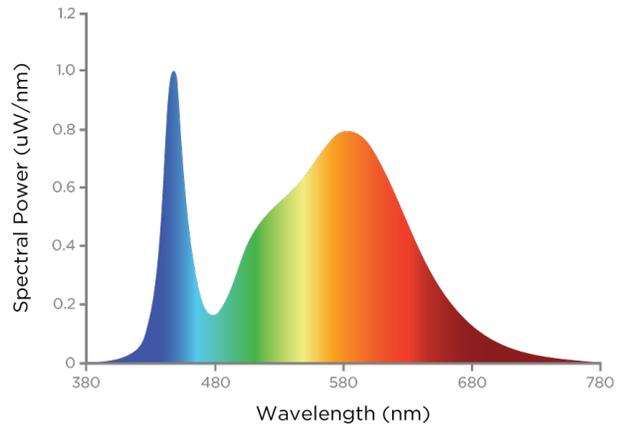
## LED SPECIFICATIONS

### R Tables

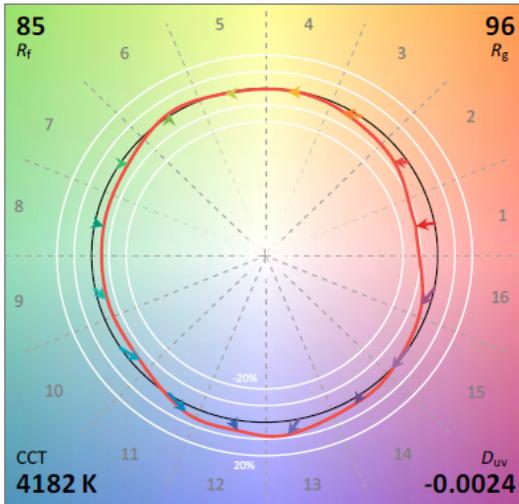
R1	85
R2	92
R3	96
R4	84
R5	85
R6	88
R7	86
R8	68

R9	19
R10	81
R11	84
R12	64
R13	87
R14	98
R15	80
Ra	85

### SPD



### TM-30



Source Type: LED  
CRI: >80

Manufacturer: Samsung Electronics Co., Ltd.  
L70: >60000 Hrs.

Part Number: SMD2835  
Colour Temperature: 3500K, 4000K, 5000K Field Selectable



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#### ELECTRICAL SPECIFICATIONS

**Input Voltage:** 120-347Vac  
**Current Draw at 120Vac:** 0.3  
**Inrush Current:** < 30A/150us  
**THD at 277Vac(%):** < 15%  
**Over Temperature Protection:** Auto recovery. The output recovers when the temperature returns to normal.

**Input Frequency:** 50/60 hz  
**Current Draw at 277Vac:** 0.1299  
**Max On-Delay:** < 2 S  
**Dimming:** 0-10Vdc, (0% Min Light Level)  
**Short Circuit Protection:** Auto recovery. The output recovers when short is removed.

**Fixture Draw:** 35.1W  
**Current Draw at 347Vac:** 0.1037  
**Power Factor at 120Vac:** > 0.90  
**Dimming Current mA:** .5mA draw

#### PHYSICAL SPECIFICATIONS

**Finish Colour:** White  
**Mounting:** Recessed T-bar  
**Lens Type:** Frost PS Lens

**Finish Type:** Powder Coated  
**Housing Material:** Aluminium  
**Reflector Material:** White Thermoplastic

**Wiring:** Junction Box  
**Lens Material:** Clear PMMA optical lens  
**Entries:** 4 x ½" Knockouts

#### SHIPPING INFORMATION

**OrderingCode(s):** BLP1436SW-WRV-WH

**Box Weight:** 2.7 kg  
**Carton Weight:** 11 kg

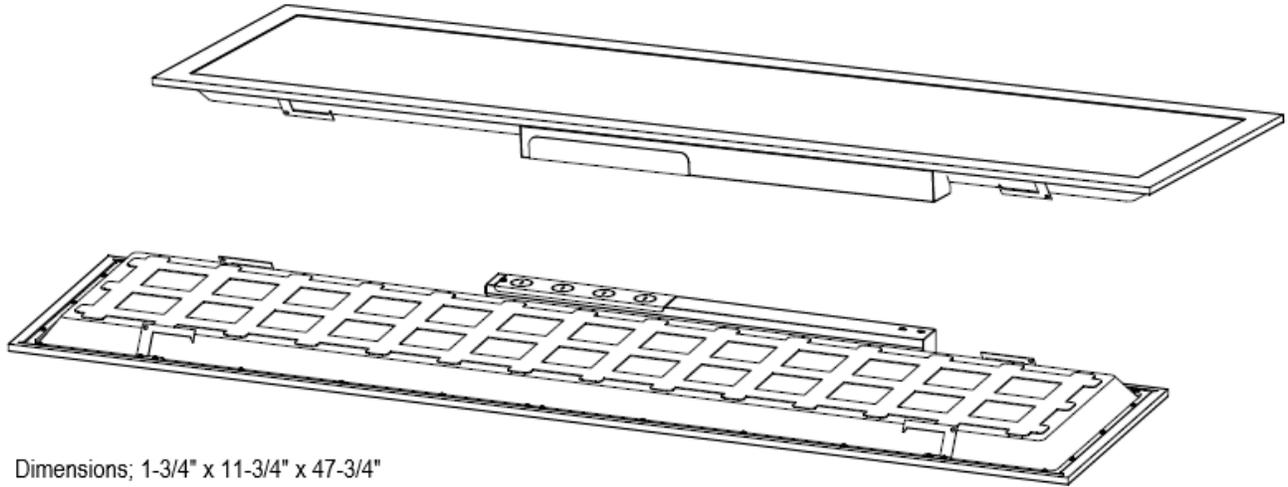
**Box Quantity:** 1  
**Carton Quantity:** 4

**Box Dimensions (L-W-H):** 1275 x 60 x 365 mm  
**Carton Dimensions (I-W-H):** 1290 x 265 x 380 mm

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LINE DRAWING

Line Drawings



Dimensions; 1-3/4" x 11-3/4" x 47-3/4"

SERIES ARCHITECTURE

Series Architecture

BLP - - - - -													
Part	Size		Wattage		CCT	Mounting		Voltage		Finish			
BLP	14	1x4ft	36	36W	SW	Selectable White (3500K,4000K,5000K)		Blank	Recessed T-Bar	WRV	120-347VAC	WH	White
	22	2x2ft	50	50W									
	24	2x4ft											

1X4	25W	30W	36W
3500K	2765 lm	3318 lm	3982 lm
4000K	2869 lm	3443 lm	4131 lm
5000K	2754 lm	3305 lm	3966 lm

2X2	25W	30W	36W
3500K	2941 lm	3537 lm	4262 lm
4000K	3158 lm	3799 lm	4577 lm
5000K	3013 lm	3624 lm	4366 lm

2X4	40W	45W	50W
3500K	4637 lm	5217 lm	5797 lm
4000K	4960 lm	5580 lm	6200 lm
5000K	4825 lm	5428 lm	6032 lm