

Project:		
Location:		
Model#:	BLP143640K-UNV-WH	Type:
Client:		Qty:
Prepared by:		Date:

## SERIES SPECIFICATIONS

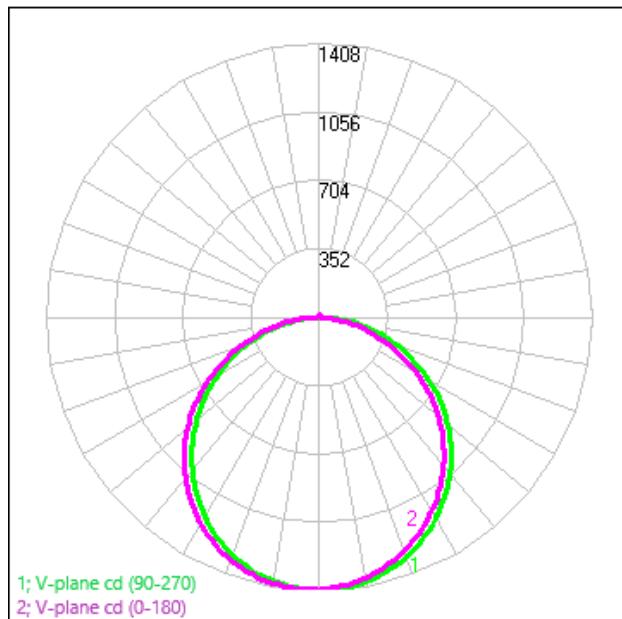


To supply Tamlite's BLP Series of LED Back Lit Panel fixture as specified. The luminaire shall operate at 120-277Vac and use an Everlight approved driver. The frame shall be constructed of painted aluminium with a PMMA diffuser. LEDs shall be as specified Everlight 67-21S LED chips. The luminaire shall be cETLus Listed as well as DLC Listed.

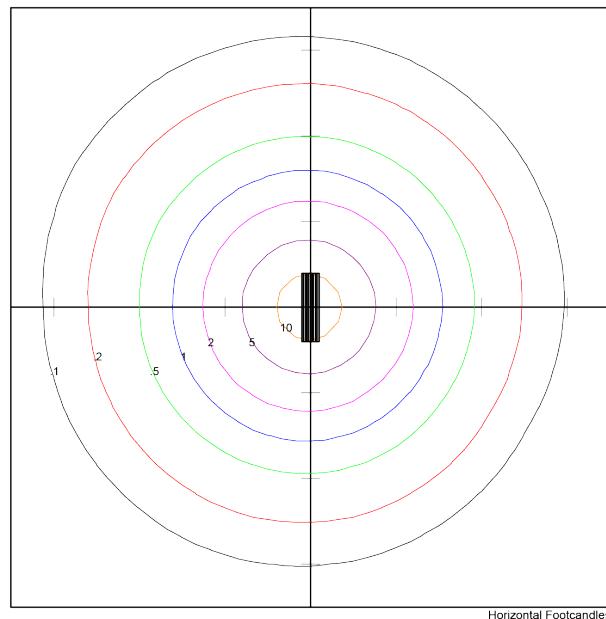


## PERFORMANCE SPECIFICATIONS

Luminance Distribution Chart



Isolux Diagram



NB  
BLP1436SW-WRV-WH  
ZY-SGQSET40-ZBH12

Horizontal Footcandles  
Scale: 1 Inch = 10 Ft.  
Light Loss Factor = 1.00  
Lumens Per Lamp = 3910.3  
Total Lamp Lumens = 3910.3  
Mounting Height = 10.00 Ft  
Maximum Calculated Value = 13.30 Fc  
Arrangement: Single

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

### 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
<b>RCR</b>																		
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:** 3890lm

**Luminaire Type:** Direct

**UL Classification:** Dry Location Only

**DLC Number:** PFDTKN95

**Efficacy:** 111.1lm/W

**Spacing Criteria:** 1.30 (C0-180), 1.26 (C90-270)

**Ambient Operating Temp:** -20C to +40C

**Limited Product Warranty:** 5 Year(s)

**CBCP:** 1322cd

**Environmental Rating(s):** IP20

**Certification Standards:** cETLus, DLC

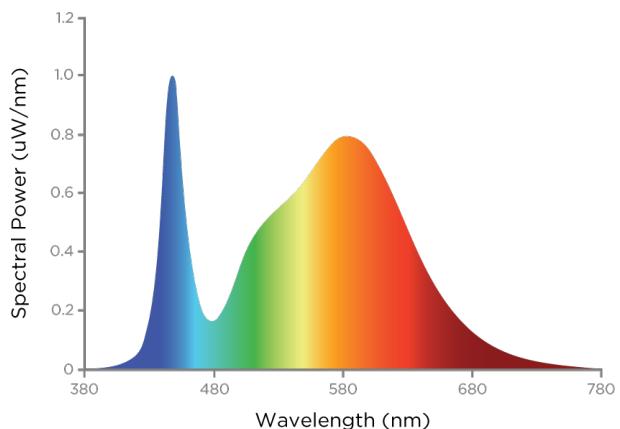
## LED SPECIFICATIONS

### R Tables

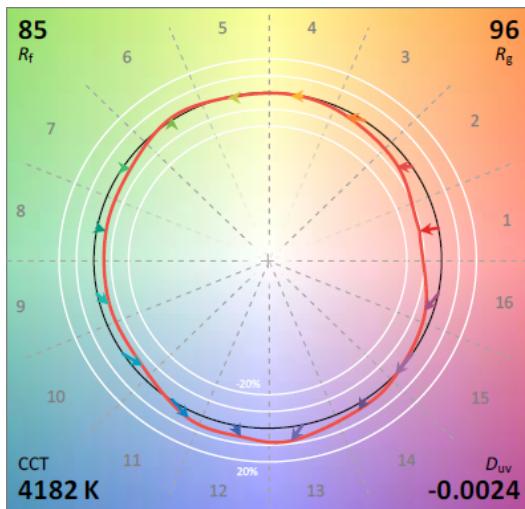
<b>R1</b>	85
<b>R2</b>	92
<b>R3</b>	96
<b>R4</b>	84
<b>R5</b>	85
<b>R6</b>	88
<b>R7</b>	86
<b>R8</b>	68

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

### SPD



### TM-30



**Source Type:** LED

**CRI:** >80

**Chromaticity:**  $x=0.3804$   $y=0.3768$

**Manufacturer:** Samsung Electronics Co.,

Ltd.

**L70:** >60000 Hrs.

**Part Number:** SMD2835

**Colour Temperature:** 4000K

## ELECTRICAL SPECIFICATIONS

**Input Voltage:** 120-277Vac  
**Current Draw at 120Vac:** 0.3  
**Max On-Delay:** < 2 S  
**Dimming:** 0-10Vdc, (0% Min Light Level)  
**Short Circuit Protection:** Auto recovery.  
The output recovers when short is removed.

**Input Frequency:** 50-60 hz  
**Current Draw at 277Vac:** 0.1299  
**Power Factor at 120Vac:** > 0.90  
**Dimming Current mA:** .5mA draw

**Fixture Draw:** 35.1W  
**Inrush Current:** < 30A/150us  
**THD at 277Vac(%):** < 15%  
**Over Temperature Protection:** Auto recovery. The output recovers when the temperature returns to normal.

## PHYSICAL SPECIFICATIONS

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

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

**Wiring:** Junction Box  
**Lens Material:** Clear PMMA optical lense  
**Entries:** 4 x 1/2" Knockouts

## SHIPPING INFORMATION

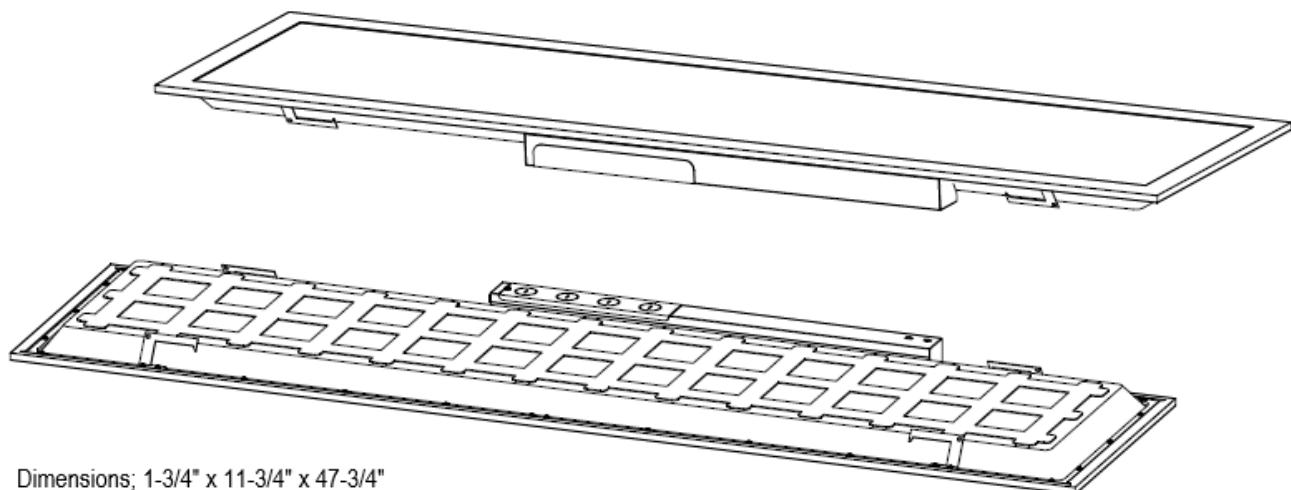
**Ordering Code(s):** BLP1436SW-WRV-WH  
**Box Weight:** 2.7 kg  
**Carton Weight:** 11 kg

**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

## LINE DRAWING

### Line Drawings



## SERIES ARCHITECTURE

### Series Architecture

BLP		Size		Wattage		CCT		Mounting		Voltage		Finish	
Part	BLP	14	1x4ft	36	36W	40K	4000K	Blank	Recessed T-Bar	UNV	120-277VAC	WH	White
		22	2x2ft	50	50W								
		24	2x4ft										