



Project:	
Location:	
Model#: BLP14-WS-3CS-WRV	Type:
Client:	Qty:
Prepared by:	Date:

## SERIES SPECIFICATIONS

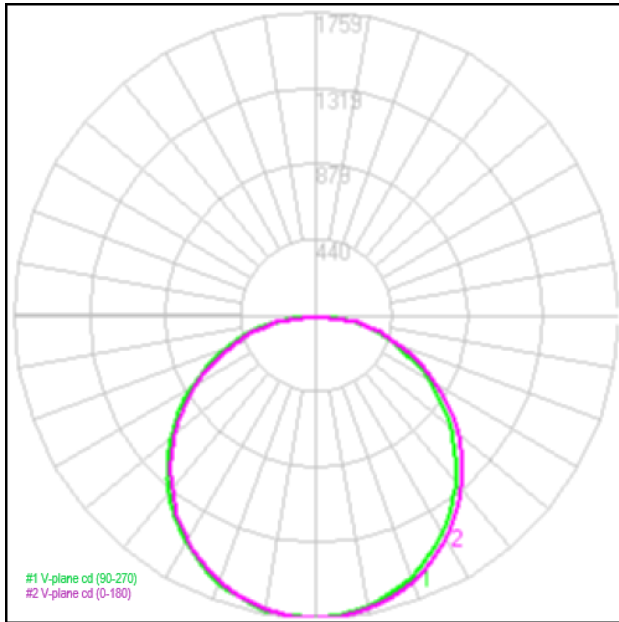


Discover the superior functionality and sleek design of the Tamlite Lighting BLP-3CS-WRV Series. Ideal for both commercial and residential settings, this LED panel offers adjustable color temperatures (3500K, 4000K, 5000K) and wattage settings, ensuring optimal energy efficiency and ambiance customization. With features like emergency backup and easy installation, this durable and lightweight lighting solution enhances any space with consistent, high-performance illumination. Its versatility and 120-347 voltage compatibility make it a top choice for upgrading or installing new lighting systems.

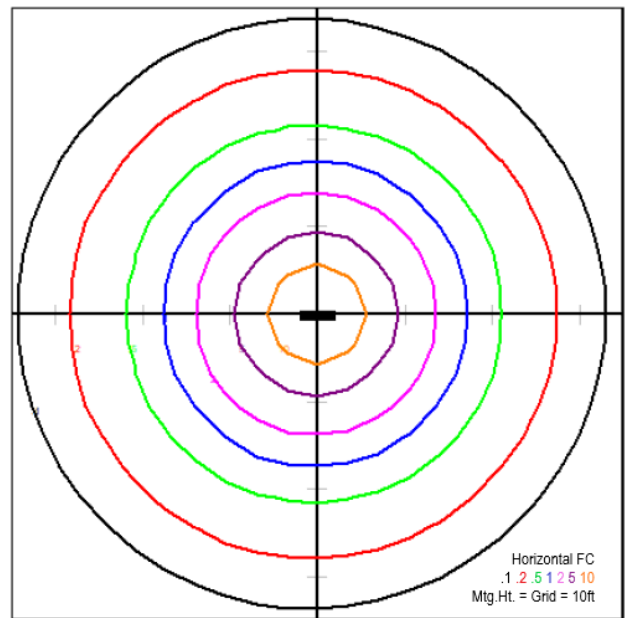


## PERFORMANCE SPECIFICATIONS

Luminance Distribution Chart



Isolux Diagram



Zonal Lumen Summary

Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens	Zone	Lumens
0-10	165.99	30-40	878.09	60-70	657.08	90-100	0	120-130	0	150-160	0
10-20	476.33	40-50	917.51	70-80	407.63	100-110	0	130-140	0	160-170	0
20-30	724.41	50-60	838.88	80-90	94.13	110-120	0	140-150	0	170-180	0

Total Initial Lumen Output; 5160.05 lm

## 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
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	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	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	26	37	30	25	36	30	25	24

**Initial Lumen Output:** 5158 lm @4000K

**CBCP:** 1759 cd @4000K

**Luminaire Type:** Direct - Recessed

**UL Classification:** Dry Location

**Certification Standards:** ETL DLC 5.1  
Standard

**Efficacy:** 141 lm/W

**Beam Angle:** 110°

**Spacing Criteria:** (0-180) 1.24 / (90-270)  
1.28

**Fire Rating:** UL94-HB

**DLC Number:** In Process

**Max Candela:** 1759 cd @4000K

**Field Angle:** 110°

**Environmental Rating(s):** IP20

**Ambient Operating Temp:** 45°C

**Limited Product Warranty:** 5 years

## LED SPECIFICATIONS

### R Tables

<b>R1</b>	<b>84</b>
<b>R2</b>	<b>91</b>
<b>R3</b>	<b>95</b>
<b>R4</b>	<b>84</b>
<b>R5</b>	<b>84</b>
<b>R6</b>	<b>87</b>
<b>R7</b>	<b>86</b>
<b>R8</b>	<b>67</b>

<b>R9</b>	<b>14</b>
<b>R10</b>	<b>78</b>
<b>R11</b>	<b>84</b>
<b>R12</b>	<b>62</b>
<b>R13</b>	<b>86</b>
<b>R14</b>	<b>97</b>
<b>R15</b>	<b>78</b>
<b>Ra</b>	<b>84.7</b>

**Source Type:** 2835

**Rf:** 84

**Colour Temperature:** 35/40/50K

**Duv:** 0.0011

**Manufacturer:** Bridgelux

**Rg:** 96

**Chromaticity:** X=0.3818; Y=0.3798 @ 4000K

**CRI:** 80

**L70:** >54,000 Hrs

**Colour Tolerance:** 3500±180K 5029±220K

## ELECTRICAL SPECIFICATIONS

**Input Voltage:** 120-347Vac

**Current Draw at 277Vac:** 0.158A

**Max On-Delay:** < 1S

**Power Factor at 347Vac:** 0.009

**THD at 347Vac(%):** 20

**Dimming:** 0-10V

**Short Circuit Protection:** Output Short Circuit Protection

**Input Frequency:** 50HZ/60HZ

**Current Draw at 347Vac:** 0.127A

**Power Factor at 120Vac:** 0.009

**THD at 120Vac(%):** 20

**Max Operating Case Temperature:** 45°C

**Dimming Current mA:** 0.4mA

**Current Draw at 120Vac:** 0.366A

**Inrush Current:** 50A2S

**Power Factor at 277Vac:** 0.009

**THD at 277Vac(%):** 20

**Surge Suppression:** DM=1KV/CM=2KV

**Over Temperature Protection:** IC Over Temperature Protection

## PHYSICAL SPECIFICATIONS

**Finish Colour:** White  
**Housing Material:** Aluminum  
**Reflector Material:** PET

**Wiring:** AC solution  
**Lens Material:** PMMA

**Mounting:** Recessed  
**Lens Type:** Opaque

## SHIPPING INFORMATION

**Ordering Code(s):** BLP14-WS-3CS-WRV

**Box Weight:** 0.000Kg / 0.000Lbs

**Carton Weight:** 10.47lbs

**Box Quantity:** 2

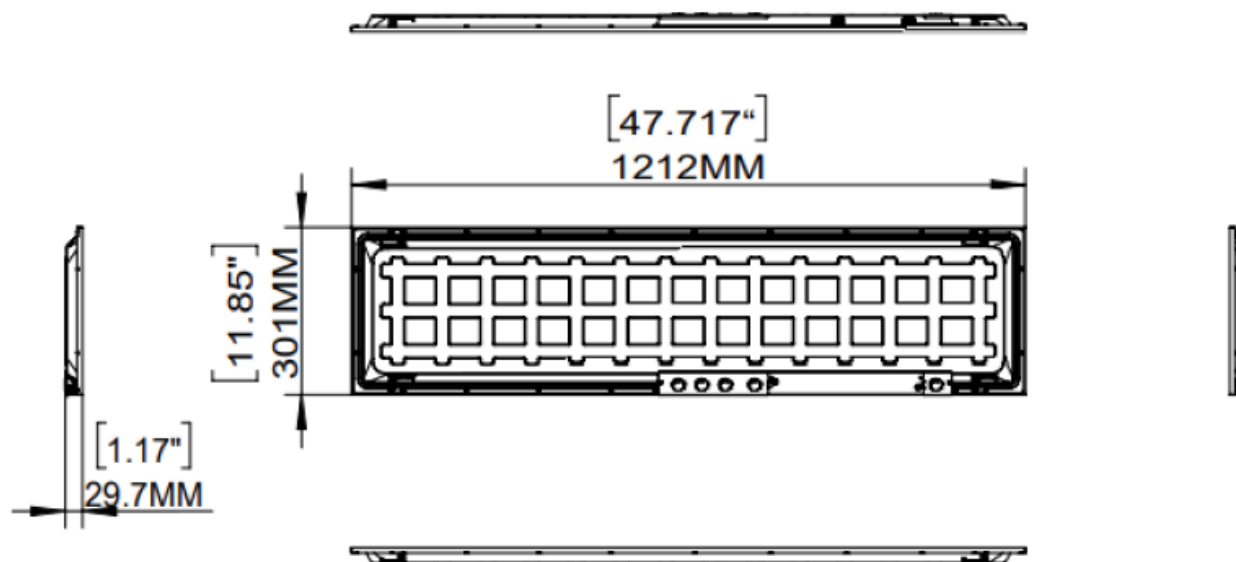
**Carton Quantity:** 8

**Box Dimensions (L-W-H):** 495.0 x 340.0 x  
180.0 mm / 19.488 x 13.386 x 7.087 in.

**Carton Dimensions (I-W-H):**  
49.09"x2.95"x13.46"

## LINE DRAWING

### Line Drawings



## SERIES ARCHITECTURE

### Series Architecture

BLP - 14 - WS - 3CS - WRV -											
Part	Size	Wattage *	CCT	Mounting		Voltage		Options			
BLP	14 1x4ft 22 2x2ft 24 2x4ft	WS	3CS	Selectable White (3500K,4000K,5000K)		Blank	Recessed T-Bar	WRV	120-347VAC	Blank EM	No Options Emergency Driver

1X4	30W	35W	40W
3500K	3870 lm	4371 lm	4844 lm
4000K	4068 lm	4621 lm	5160 lm
5000K	3962 lm	4503 lm	5059 lm

2X2	30W	35W	40W
3500K	3745 lm	4279 lm	4720 lm
4000K	3947 lm	4537 lm	5030 lm
5000K	3958 lm	4409 lm	4922 lm

2X4	30W	40W	50W
3500K	3866 lm	4932 lm	6030 lm
4000K	4060 lm	5183 lm	6392 lm
5000K	4030 lm	5090 lm	6309 lm

**Optional Extras:** BLP14-DFK, BLP14-SMK, TLP14-SPK