



**XLamp XT-E HWW**

> Single Lenses with Holder

» **BK-LED-097WB45**



**Parameter**

Diameter:  $\Phi$ 13mm

Height: 7.4mm

Fov: 47.9°

Material: Optical grade Acrylic plastic

Up to 91% efficiency

LED Series: CREE XLamp XT-E HWW

Applications:

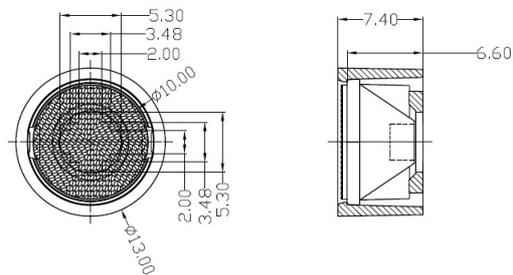
Reading lights(car, bus, aircraft)

Portable (flashlight, bicycle)

Mini-accent/Decorative/Fiber Optics Alternative

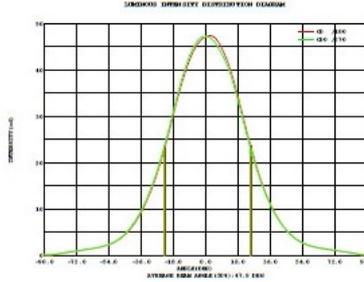
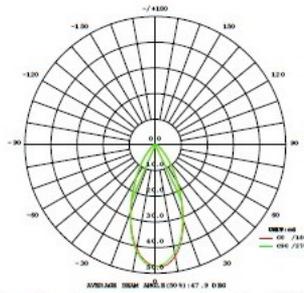
Undershelf / Task Lighting

Indoor and Outdoor Commercial and Residential Architectural lighting





BICOM OPTICS TEST REPORT



Intensity data:(deg , cd) C0 /180

A	I	A	I	A	I	A	I	A	I	A	I
-90.0	0.0865	-58.5	1.780	-27.0	17.68	4.5	47.13	36.0	11.09	67.5	1.279
-88.5	0.0399	-57.0	1.951	-25.5	19.56	6.0	46.60	37.5	9.923	69.0	1.217
-87.0	0.0799	-55.5	2.088	-24.0	21.59	7.5	45.70	39.0	8.813	70.5	1.101
-85.5	0.1143	-54.0	2.245	-22.5	23.66	9.0	44.71	40.5	7.849	72.0	1.063
-84.0	0.1553	-52.5	2.498	-21.0	25.76	10.5	43.49	42.0	6.985	73.5	0.9708
-82.5	0.2563	-51.0	2.804	-19.5	28.01	12.0	41.99	43.5	6.177	75.0	0.8854
-81.0	0.3650	-49.5	3.121	-18.0	30.34	13.5	40.26	45.0	5.440	76.5	0.7633
-79.5	0.4249	-48.0	3.476	-16.5	32.65	15.0	38.54	46.5	4.789	78.0	0.6757
-78.0	0.5481	-46.5	3.922	-15.0	34.73	16.5	36.45	48.0	4.252	79.5	0.5814
-76.5	0.6535	-45.0	4.425	-13.5	36.84	18.0	34.30	49.5	3.724	81.0	0.5448
-75.0	0.7267	-43.5	4.970	-12.0	38.82	19.5	31.99	51.0	3.331	82.5	0.4338
-73.5	0.8277	-42.0	5.701	-10.5	40.58	21.0	29.79	52.5	2.948	84.0	0.2973
-72.0	0.9098	-40.5	6.421	-9.0	42.08	22.5	27.43	54.0	2.640	85.5	0.2441
-70.5	0.9941	-39.0	7.237	-7.5	43.50	24.0	25.15	55.5	2.404	87.0	0.1631
-69.0	1.080	-37.5	8.164	-6.0	44.65	25.5	23.06	57.0	2.185	88.5	0.0788
-67.5	1.185	-36.0	9.217	-4.5	45.60	27.0	21.05	58.5	2.005	90.0	0.0444
-66.0	1.250	-34.5	10.38	-3.0	46.33	28.5	19.06	60.0	1.835		
-64.5	1.345	-33.0	11.66	-1.5	46.83	30.0	17.16	61.5	1.740		
-63.0	1.438	-31.5	12.95	0.0	47.14	31.5	15.54	63.0	1.590		
-61.5	1.599	-30.0	14.39	1.5	47.33	33.0	13.88	64.5	1.492		
-60.0	1.669	-28.5	16.06	3.0	47.38	34.5	12.42	66.0	1.390		

Electricity Parameter:

Voltage : 47.00 V Current : 0.0200 A  
 Power P: 0.9400 W Power Factor: 1.000

Optical Parameter (Distance:3.160m) :

Luminous flux = 39.96 lm Efficiency: Eff=42.51 lm/W  
 Avg. Beam angle: @(25%):68.6deg @(50%):47.9deg @(75%):32.0deg @(10%):92.3deg  
 C0 /180: @(25%):68.5deg @(50%):47.8deg @(75%):31.9deg @(10%):92.1deg  
 C0 /180 Imax = 47.39 cd (G=2.5deg) Io = 47.14 cd

H(β) Range:-90 - 90DEG V(B) Range:-90 - 90DEG  
 H(β) Interval: 0.5DEG V(B) Interval: 0.5DEG  
 Test Speed: HIGH Test System:EVERFINE GO-SPEC316 SYSTEM V1.0.255  
 Temperature:25.3DEG Humidity:65.0%  
 Operators:BICOM Test Distance:3.160m [K=1.0000]  
 Test Date:2011-10-18 Remarks: