



# BAYLIGHTER™

## HBW100 SERIES



### Medium / Low Bay Wraparound Luminaire



- Medium / Low Bay Wraparound Luminaire
- Quarter Turn Rotary Locking Sockets
- Clear Prismatic Acrylic
- Removable Wiring Access Plate
- Stem, Cable or Chain Mountable
- Suitable for Damp Locations
- Available with:
  - Fluorescent, LED and LED T8 (Internally Driven)
  - 95% Enhanced Specular Aluminum Reflectors
  - Emergency Battery Pack
  - Sensor
  - Die Cast Hub for 3/4" Pipe



Photometric Data and IES Files are Available on [www.lalighting.com](http://www.lalighting.com)



#### LOS ANGELES LIGHTING MFG. CO.

10141 OLNEY ST. / EL MONTE, CA 91731

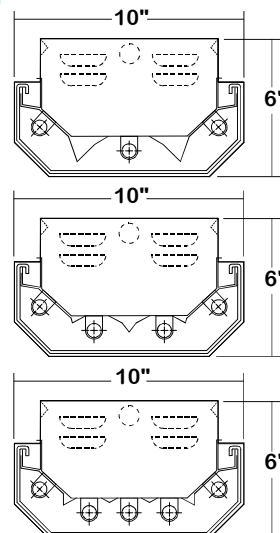
TEL : 626-454-8300 FAX : 626-454-8399

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# HBW100 SERIES

## CROSS SECTION



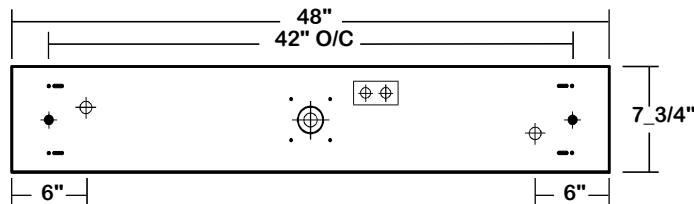
● 3 PIECE SPECULAR ALUMINUM REFLECTOR .  
CENTER PIECE SECURED WITH QUARTER TURN  
FASTENERS FOR EASE OF MAINTENANCE.

## CATALOG NUMBER

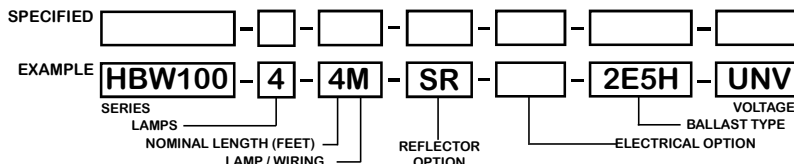
	NOMINAL LENGTH	TOTAL LAMPS
HBW100-3-4M	4'	3
HBW100-4-4M	4'	4
HBW100-5-4M	4'	5
HBW100-3-4R	4'	3
HBW100-4-4R	4'	4
HBW100-5-4R	4'	5

## BACK PLATE

- V-HOOK
- 3/16" K.O.
- ◆ 11/16" STEM MTG. K.O.
- ⊕ 7/8" OFFSET K.O.
- ⊕ 2" K.O.
- ⊕ ACCESS PLATE



## ORDERING GUIDE



**NOTE: LAMP/WIRING\*** M= Miniature Bi-Pin T5  
R = Medium Bi-Pin T8

## OPTIONS AND ACCESSORIES

● REFLECTOR OPTIONS	SUFFIX	● BALLAST OPTIONS	SUFFIX	● ACCESSORIES	CAT.NO.
Specular Aluminum Reflector (95%)	SR	Electronic T5	E5*	Fixture Suspension System	*
White Aluminum Reflector (90%)	WR	Electronic T5HO	E5H	Ceiling Spacer	*
● ELECTRICAL OPTIONS	SUFFIX	Electronic Step Dimming T5HO	ESDM5H	6" Leg Height V-Hook	V6
Emergency Battery Pack	BP*	Electronic T8	E8*	Die Cast Hub For 3/4" Pipe	HUB
External Line Fusing (HLR/GLR)	ELF	Electronic Step Dimming T8	ESDM8*		
Radio Interference Filters	RIF				
Motion Sensor	MS				

\*See appropriate reference page

## SPECIFICATIONS

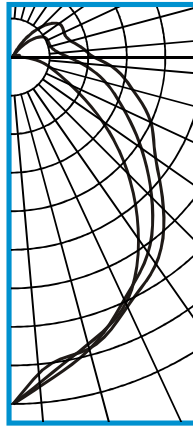
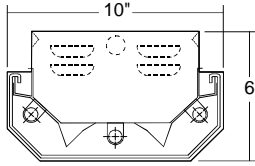
- **TYPE** Medium or low bay wraparound for surface , pendant, or chain mounting. Must be spaced a minimum of 1 1/2" from ceiling when surface mounted.
- **CONSTRUCTION** 22 gauge cold rolled steel housing with louvered vents on each side for heat removal. Quarter turn rotary locking lampholders standard. (20 GA. housing available as specified)
- **FINISH** Baked white polyester finish , minimum reflectance 86%. (Powder coated finish available.)
- **REFLECTOR** Enhanced aluminum reflectors, 95% reflectance. High reflectance white aluminum reflector available.
- **OPTICS** One piece extruded clear prismatic acrylic lens with linear side prisms. 25% DR acrylic formulation for added durability.
- **WIRING** 120v 60Hz., 277v 60Hz., UNV (universal voltage 120v thru 277v.) or as otherwise specified.
- **LABELS** Multiple levels of switching available as specified.  
U.L. Listed. Suitable for damp locations.



**PHOTOMETRIC DATA**

**HBW100-3-4M-SR-E5H**

TEST NO.=LA-T0633  
 LAMP TYPE=F54T5HO  
 NO. OF LAMP=3  
 LUMENS PER LAMP=5000  
 WATTS PER LAMP=54  
 BALLAST FACTOR=1  
 PHOTOMETRY TYPE=C



**CANDLEPOWER**

ANGLE	END	45	CROSS
0	4008	4008	4008
5	3761	3806	3648
15	3418	3475	3475
25	3110	3068	3156
35	2522	2729	2893
45	1863	2259	2452
55	1222	1798	2005
65	701	1402	1751
75	434	1099	1422
85	213	783	1127
90	96	635	931
95	70	537	841
105	73	452	698
115	47	443	652
125	22	407	660
135	12	261	519
145	9	103	282
155	13	32	71
165	14	19	20
175	22	21	22
180	8	8	8

**ZONAL LUMEN SUMMARY**

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	2776	18.5	21.5
0-40	4484	29.9	34.8
0-60	7724	51.5	59.9
0-90	10852	72.3	84.2
90-120	1400	9.3	10.9
90-150	2017	13.4	15.6
90-180	2042	13.6	15.8
0-180	12893	86.0	100.0

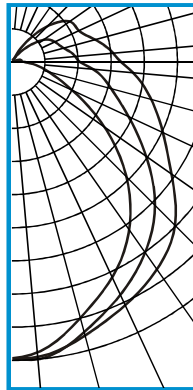
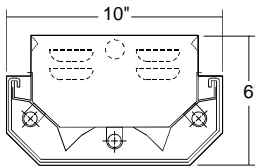
Lumen Output = 12893 lumens  
 Luminaire Efficiency = 86.0%

**SPACING CRITERION**

ALONG	ACROSS
1.06	1.13

**HBW100-3-4M-WR-E5H**

TEST NO.=LA-T0634  
 LAMP TYPE=F54T5HO  
 NO. OF LAMP=3  
 LUMENS PER LAMP=5000  
 WATTS PER LAMP=54  
 BALLAST FACTOR=1  
 PHOTOMETRY TYPE=C



**CANDLEPOWER**

ANGLE	END	45	CROSS
0	3030	3030	3030
5	2979	3050	3026
15	2701	2853	2890
25	2421	2619	2738
35	2080	2368	2580
45	1642	2059	2350
55	1137	1663	1981
65	659	1305	1695
75	378	1041	1467
85	202	825	1234
90	124	689	1108
95	95	644	1034
105	85	544	878
115	46	481	751
125	21	398	719
135	14	230	530
145	16	105	269
155	14	32	73
165	24	16	24
175	22	15	17
180	17	17	17

**ZONAL LUMEN SUMMARY**

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	2293	15.3	18.9
0-40	3768	25.1	31.0
0-60	6784	45.2	55.8
0-90	9864	65.8	81.1
90-120	1652	11.0	13.6
90-150	2268	15.1	18.7
90-180	2293	15.3	18.9
0-180	12157	81.0	100.0

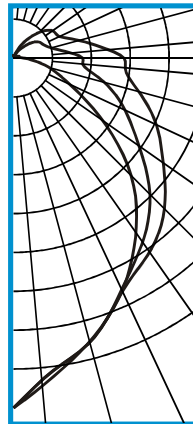
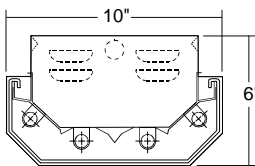
Lumen Output = 12157 lumens  
 Luminaire Efficiency = 81.0%

**SPACING CRITERION**

ALONG	ACROSS
1.12	1.32

**HBW100-4-4M-SR-E5H**

TEST NO.=LA-T0628  
 LAMP TYPE=F54T5HO  
 NO. OF LAMP=4  
 LUMENS PER LAMP=5000  
 WATTS PER LAMP=54  
 BALLAST FACTOR=1  
 PHOTOMETRY TYPE=C



**CANDLEPOWER**

ANGLE	END	45	CROSS
0	5330	5330	5330
5	5015	4929	4925
15	4473	4486	4483
25	3914	3893	3924
35	3248	3425	3610
45	2533	2935	3248
55	1653	2332	2781
65	944	1870	2399
75	567	1430	1973
85	257	1057	1706
90	160	1050	1682
95	92	877	1449
105	92	596	1037
115	66	494	775
125	33	434	725
135	27	284	552
145	25	139	323
155	25	50	124
165	38	34	36
175	54	22	25
180	59	59	59

**ZONAL LUMEN SUMMARY**

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	3553	17.8	20.9
0-40	5706	28.5	33.5
0-60	10003	50.0	58.7
0-90	14291	71.5	83.9
90-120	2011	10.1	11.8
90-150	2696	13.5	15.8
90-180	2739	13.7	16.1
0-180	17030	85.1	100.0

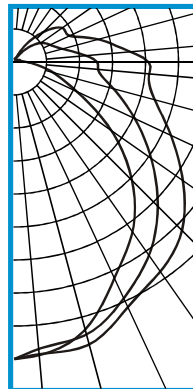
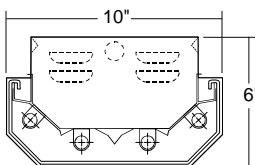
Lumen Output = 17030 lumens  
 Luminaire Efficiency = 85.1%

**SPACING CRITERION**

ALONG	ACROSS
1.02	1.05

**HBW100-4-4M-WR-E5H**

TEST NO.=LA-T0635  
 LAMP TYPE=F54T5HO  
 NO. OF LAMP=4  
 LUMENS PER LAMP=5000  
 WATTS PER LAMP=54  
 BALLAST FACTOR=1  
 PHOTOMETRY TYPE=C



**CANDLEPOWER**

ANGLE	END	45	CROSS
0	3955	3955	3955
5	3916	3833	3904
15	3679	3750	3888
25	3164	3462	3592
35	2747	3131	3399
45	2211	2700	3160
55	1566	2222	2737
65	902	1765	2298
75	531	1363	1933
85	249	1118	1803
90	164	1102	1787
95	106	957	1550
105	84	668	1162
115	64	534	820
125	34	443	785
135	21	287	578
145	30	129	314
155	39	47	89
165	50	31	40
175	36	39	35
180	36	36	36

**ZONAL LUMEN SUMMARY**

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	3021	15.1	18.7
0-40	4970	24.8	30.8
0-60	9017	45.1	55.8
0-90	13220	66.1	81.9
90-120	2181	10.9	13.5
90-150	2886	14.4	17.9
90-180	2926	14.6	18.1
0-180	16146	80.7	100.0

Lumen Output = 16146 lumens  
 Luminaire Efficiency = 80.7%

**SPACING CRITERION**

ALONG	ACROSS
1.12	1.33

