

L-Bay 4-Pod LED Low-Profile High-Bay Luminaire

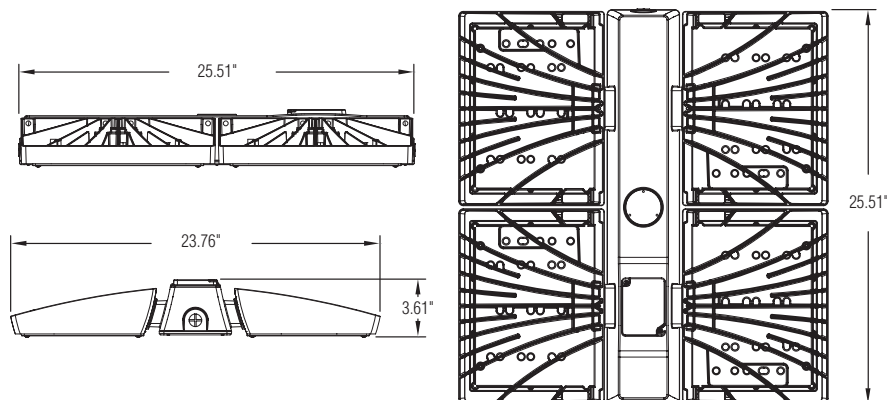


ORDERING INFORMATION

Catalog Number: Example: LB4C3APF1-1W

LB	4							
FIXTURE	POD #	ENGINE DESIG.	COLOR TEMP.	OPTICS	MOUNT	OPTIONS	VOLTAGE	COLOR
LB-L-Bay LED High Bay	4 4 4 4	A-146W @ 350mA B-220W @ 530mA C-288W @ 700mA D-210W @ 350mA	3 (Warm White) 4 (Neutral White) 6 (Cool White)	A - Aisle M - Medium N - Narrow W - Wide (Lowbay)	P - 3/4" Pendant (Machined) A - Aircraft Cable with Hooks	See Page 2	1-120v 2-208v 3-240v 4-277v 5-480v 8-120-277v	W- Textured White B- Textured Black T- Titanium Gray

TECHNICAL INFORMATION



Engine Designator Details*

Board Size	Current	System Wattage	Lumen Output	Efficacy (L/W)
4 x 48	350mA	210	19,000	90
4 x 32	700mA	288	22,500	78
	530mA	220	18,500	84
	350mA	146	13,500	92

* Lumens mentioned are averaged between aisle through wide distribution and lumen output will vary by color temperature options.

Predicted L70 Lifetime

25°C Ambient - > 100,000 hours

45°C Ambient - = 100,000 hours

(based upon LED manufacturer's supplied LM-80 data and in-situ laboratory testing)



PRODUCT SPECIFICATIONS

- The L-Bay is an LED highbay luminaire available in two and four pod configurations. Its low profile architectural design make it available for a wide variety of applications including manufacturing, warehousing, large retail, home centers, cold storage and gymnasiums.
- The LED pods and driver housings are made from precision die-cast aluminum for strength and include computer designed heat sinks using venturi principle for controlled air flow and excellent heat management.
- The standard finish is a corrosion resistant polyester powder coating in gloss white.
- High power factor electronic integral LED driver(s) (350ma/530mA and 700mA) available in 120-277V or 480V
- High output LEDs with 32 or 48 per pod and each LED having its own optical lens for precise optical control in for wide, medium narrow or aisle distributions.
- Mounting choices include single pendant/stem or aircraft cable hangers. Aircraft cable hangers supplied standard with base product.
- Dimming driver standard (control 0 – 10V DC).
- Components RoHS compliant.
- Driver is field-replaceable.
- Tempered glass lens with molded silicone rubber gasket seals the optical compartment.
- Published 5 year warranty.

L-Bay LED Low-Profile High-Bay Luminaire

PHOTOMETRICS*

OPTIONS

Distribution – Medium					CCT: NW	CREE XPG LEDs				
Candlepower		Light Distribution				Average Luminance				
Angle	A vg. Candela	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross	
0	5307	0-30	4559	40.4	40.4	45	31195	31629	33345	
5	5304	0-40	7821	69.4	69.4	55	4969	5919	5563	
10	5221	0-60	10934	97.0	97.0	65	3258	3367	3759	
15	5185	0-90	11274	100.0	100.0	75	2227	2495	2489	
20	5202					85	661	839	833	
25	5543									
30	5762									
35	5145									
40	4778									
45	3498									
50	1705									
55	489									
60	311									
65	222									
70	160									
75	99									
80	46									
85	13									

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

Ceiling	80				70				50				30				10			
Wall	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10			
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102			
1	113	109	107	104	110	108	105	102	103	101	99	99	98	96	96	95	93			
2	106	101	97	93	104	99	95	92	96	92	89	93	90	88	90	88	86			
3	100	92	87	82	98	91	86	82	99	84	80	86	82	79	84	81	78			
4	94	85	79	74	92	84	79	74	82	77	73	80	75	72	78	74	71			
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	64			
6	82	72	65	60	80	71	64	60	69	64	59	68	63	59	67	62	58			
7	76	65	59	54	75	65	58	53	63	57	53	62	57	53	61	56	52			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47			
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	45	42			
10	61	49	42	38	60	49	42	37	48	42	37	47	41	37	46	41	37			

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

Ceiling	80	70	50	30	10	Ceiling	80	70	50	30	10
Wall	70	50	30	10		Wall	70	50	30	10	
RCR						RCR					
0	119	119	119	119	116	116	116	116	111	111	111
1	113	109	107	104	110	108	105	102	103	101	99
2	106	101	97	93	104	99	95	92	96	92	89
3	100	92	87	82	98	91	86	82	89	84	80
4	94	85	79	74	92	84	79	74	82	77	73
5	88	78	72	67	86	77	71	66	75	70	66
6	82	72	65	60	80	71	64	60	69	64	59
7	76	65	59	54	75	65	58	53	63	57	53
8	71	60	53	48	70	59	52	48	58	52	47
9	66	54	47	42	65	54	47	42	53	46	42
10	61	49	42	38	60	49	42	37	48	42	37

Blank-Glass Lens

- F1-** Single Fuse (specify voltage)
- F2-** Double Fuse (specify voltage)
- 3C-** 3' Cord, no Plug
- 3CD-** 3' Cord, no Plug for use when using Dimming Option
- 6C-** 6' Cord, no Plug
- 6CD-** 6' Cord, no Plug for use when using Dimming Option
- 3P-** 3' Cord and Twist-Lock Plug (specify voltage)
- 3PD-** 3' Cord/Plug when using dimming option
- 6P-** 6' Cord and Twist-Lock Plug (specify voltage)
- 6PD-** 6' Cord/Plug when using Dimming Option
- H-** Hook
- N-** Indirect Mounting
- P-** Protection - IP65 Rating (with cable mounting only)
- L-** Prismatic Lens
- E-** Emergency Lampholder (lamp by others)
- M-** 360° Motion Detector (ON/OFF)
- MC-** 360° Motion Sensor with Control 0 – 10V
- MA-** 360° Motion Sensor with Adjustable Day Lighting Control

Distribution – Wide					CCT: NW		CREE XPG LEDs				
Candlepower		Light Distribution				Average Luminance					
Angle	A vg. Candela	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross		
0	1618	0-30	1807	16.1	16.1	45	33088	33934	33465		
5	1670	0-40	3673	32.7	32.7	55	43728	44673	42873		
10	1783	0-60	9955	88.6	88.6	65	8229	6465	5595		
15	1908	0-90	11240	100.0	100.0	75	2227	2405	1947		
20	2090					85	1175	979	671		
25	2346										
30	2639										
35	2957										
40	3304										
45	3694										
50	4017										
55	3901										
60	2844										
65	420										
70	164										
75	90										
80	42										
85	13										

Coefficients of Utilization																	
EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (ptc=0.20)																	
Ceiling	80				70				50			30			10		
Wall	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	110	106	102	99	108	104	100	97	100	97	94	96	94	91	92	90	89
2	101	94	88	83	99	92	86	82	88	84	80	85	82	78	82	79	76
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37
7	61	47	38	31	60	46	37	31	44	36	31	43	36	30	41	35	30
8	56	41	32	26	54	40	32	26	39	31	25	38	30	25	36	30	25
9	51	36	27	21	49	36	27	21	34	26	21	33	26	21	32	25	20
10	46	32	23	18	45	31	23	18	30	23	17	29	22	17	28	22	17

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

Ceiling	80	70	50	30	10	Ceiling	80	70	50	30	10
Wall	70	50	30	10		Wall	70	50	30	10	
RCR						RCR					
0	119	119	119	119	116	116	116	116	111	111	111
1	110	106	102	99	108	104	100	97	100	97	94
2	101	94	88	83	99	92	86	82	88	84	80
3	92	82	75	69	90	81	74	68	78	72	67
4	84	72	64	57	82	71	63	57	68	62	56
5	76	63	54	47	74	62	53	47	60	52	47
6	68	55	45	39	66	54	45	38	52	44	38
7	61	47	38	31	60	46	37	31	44	36	31
8	56	41	32	26	54	40	32	26	39	31	25
9	51	36	27	21	49	36	27	21	34	26	21
10	46	32	23	18	45	31	23	18	30	23	17

ACCESSORIES

- WG-** Wire Guard

* Photometric data based on test performed in compliance with LM79.