

Type No. _____

Catalog No. _____

Job. Name _____

BayLyter Series LED

Two-Pod Industrial High-Bay Luminaire

APPLICATIONS

- Wide variety of high ceiling applications
- Applications including manufacturing, warehousing, large retail, home centers, cold storage and gymnasiums

CONSTRUCTION

- Low profile architectural design
- LED pods and driver housings are made from precision die-cast aluminum for strength
- Computer designed heat sinks
- Venturi principle for controlled air flow
- Corrosion resistant polyester powder finish in textured white standard
- Other colors include textured black and titanium gray

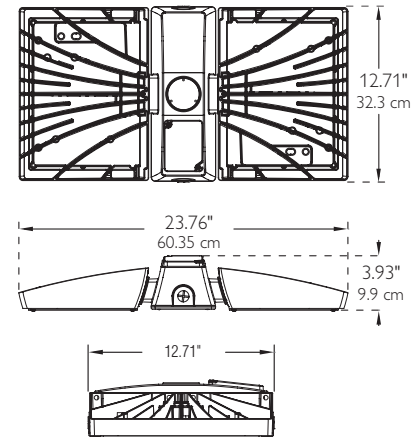


ELECTRICAL

- High power factor electronic integral LED driver(s) (350ma/530mA and 700mA)
- Available in 120-277V or 480V
- Dimming driver standard (control 0 – 10V DC)
- Components RoHS compliant
- Driver is field-replaceable

OPTICS

- High output LEDs with 32 or 48 per pod
- LEDs include individual optical lens for precise optical control
- Wide, medium narrow or aisle distributions
- Tempered glass lens with molded silicone gasket seals the optical compartment.



MOUNTING

- Mounting choices include single pendant/stem or aircraft cable hangers
(Aircraft cable hangers supplied standard with base product)

WARRANTY/LISTINGS

- Published 5 year warranty
- ETL approved for damp locations (IP65 rating as option)
- High-bay and low-bay units for commercial and industrial building
are DesignLights Consortium qualified products; 700mA configurations only.



Predicted L70 Lifetime

> 100,000 hours @ 25°C (77°F)

Up to 100,000 hours @ 45°C (113°F)

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

Ordering Guide Example: BL2B4MPF1-8T

BL	2	B	4	M	P	F1	8	T
Series	Pod Qty.	Engine Designator	Color Temp.	Optics	Mounting	Options	Voltage	Color
BL -	2	A-73W @ 350mA	4 ¹ -Neutral White	A-Aisle	P-3/4" Pendant Stem	See	1-(120v)	W-Textured White
BayLyter Series	2	B-110W @ 530mA		M-Medium	A-Aircraft Cable	Page 2	2-(208v)	B-Textured Black
	2	C-144W @ 700mA		N-Narrow	H-Hook		3-(240v)	T-Titanium Gray
	2	D-105W @ 350mA		W-Wide (Lowbay)			4-(277v)	
							5-(480v)	
							8-(120-277v)	

Notes:

1. Contact factory for additional color temperature options.

ExceLine

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PT#: EXSP073A0812

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PHILIPS

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ENGINE DESIGNATOR DETAILS

Board Size	Current	System Wattage	Lumen Output	Efficacy (L/W)
2 x 48	350mA	105	Contact Factory	
2 x 32	700mA	144	11,250	78
	530mA	110	9,100	83
	350mA	73	6,500	89

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

PHOTOMETRIC DATA

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

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

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

OPTIONS

- Blank-** Glass Lens
- F1²⁻** Single Fuse
- F2²⁻** Double Fuse
- 3C-** 3' Cord, no Plug
- 3CD-** 3' Cord, no Plug, extra cord for dimming
- 6C-** 6' Cord, no Plug
- 6CD-** 6' Cord, no Plug, extra cord for dimming
- 3P^{1,2-}** 3' Cord and Twist-Lock Plug
- 3PD^{1,2-}** 3' Cord and Twist-Lock Plug for line voltage, extra cord and plug for dimming
- 6P^{1,2-}** 6' Cord and Twist-Lock Plug
- 6PD^{1,2-}** 6' Cord and Twist-Lock Plug for line voltage, extra cord and plug for dimming
- N¹⁻** Indirect Mounting
- P-** Protection - IP65 Rating (with cable mounting only)
- L-** Diffuse Lens
- E¹⁻** Emergency Lampholder (lamp by others)
- MC^{1,2-}** 360° Motion Sensor with Control 0 – 10V
- MA^{1,2-}** 360° Motion Sensor with Adjustable Day Lighting Control
- WL -** Wet Location

ACCESSORIES

WG- Wire Guard

Notes:

1. Not available with IP65 Rating/wet location listing.
2. Specify Voltage.



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