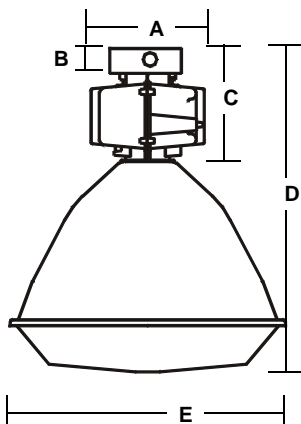


Job	Type
-----	------

### Dimensions



	A	B	C	D	E
<b>Slick-On®</b>	9-1/2"	2"	9-1/2"	26-11/16"	23-1/8"
	241 mm	51 mm	241 mm	678 mm	587 mm
<b>Quick-On®</b>	9-1/2"	1-1/8"	8-5/8"	25-13/16"	23-1/8"
	241 mm	29 mm	219 mm	656 mm	587 mm

### Specifications



#### Reflector / Refractor

Ideally suited for low to medium mounting heights, the BL-LB1 Series offers classic, economical low bay lighting: wide distribution and high vertical illumination. The heavy-gauge 23" diameter aluminum reflector features a white Lektrocote® finish with an attractive acrylic prismatic refractor — hinged and latched for easy relamping.

### Ordering Information

Run  
Photometric

series	wattage	source	voltage	optics	color	options	options
<b>BL</b>				<b>LB1</b>			

#### SERIES

<b>BL</b>	<b>Superbay 1 Series</b>
-----------	--------------------------

#### WATTAGE

<b>150</b>	150 watt HPS
<b>175</b>	175 watt MH
<b>250</b>	250 watt MH or HPS
<b>320<sup>2</sup></b>	320 watt Pulse Start MH
<b>350<sup>2</sup></b>	350 watt Pulse Start MH
<b>400<sup>2</sup></b>	400 watt MH, HPS or Pulse Start MH

#### SOURCE

<b>H<sup>1</sup></b>	Metal Halide
<b>S</b>	High Pressure Sodium
<b>W</b>	Pulse Start Metal Halide

#### VOLTAGE

<b>5</b>	480 volt
<b>6</b>	Tri-Tap® 120/277/347 volt
<b>8</b>	Quad-Tap® 120/208/240/277 volt

#### OPTICS

<b>LB1</b>	<b>23" spun aluminum lowbay with bottom lens refractor</b>
------------	--

#### COLOR

<b>WH</b>	White (standard)
<b>GR</b>	Gray (optional)

1. MV lamp will operate on MH ballast.
2. Linear Reactor Pulse Start ballast available — consult factory.

Note: **Options must be added as suffix to catalog number. See Options.**  
Accessories must be ordered separately.  
**See Accessories.**

Comments



See back for  
Photometrics



® Submitted by:

Hubbell Lighting, Inc., 2000 Electric Way, Christiansburg, Virginia 24073, (540) 382-6111 • Fax (540) 382-1526

Lowbay

IND 1 - 12/99

## Photometrics

Catalog No. BL-400Hx-LB1

Lamp

Input Watts 460

Spacing Criteria || 1.5

Report No.

Lens

Lumens 36000

Ballast Factor (BF) 1.00

Spacing Criteria ⊥ 1.5

HP-05685

LER 64.00

Ballast

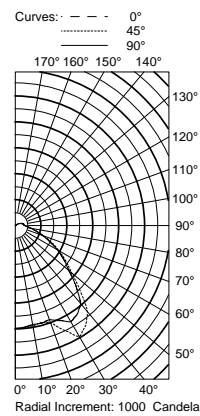
Total Luminaire Efficiency 81.31%

Spacing Criteria 1.5 BTWN 4

## COEFFICIENTS OF UTILIZATION

pfc	20%															
	80%				70%				50%				0			
	70	50	30	10	70	50	30	10	50	30	10	0	0	0	0	0
pcc																
pw																
RCR																
0	96	96	96	96	93	93	93	93	87	87	87	76				
1	87	84	80	77	85	81	78	75	77	74	72	64				
2	80	73	68	64	77	71	67	63	68	64	60	54				
3	73	65	59	54	71	63	58	53	60	55	51	46				
4	67	58	51	46	65	56	50	45	54	48	44	40				
5	61	51	44	39	59	50	43	38	48	42	37	34				
6	56	46	38	33	54	45	38	33	43	37	32	29				
7	52	41	34	29	50	40	33	28	38	32	28	25				
8	48	36	29	25	46	36	29	24	34	28	24	21				
9	44	33	26	21	42	32	25	21	31	25	21	18				
10	40	29	23	18	39	29	23	18	28	22	18	16				

## CANDELA DISTRIBUTION



Angle	Mean CP
0	7839
10	7671
20	7638
30	8456
40	7754
50	5343
60	3718
70	2224
80	1234
90	733
100	602
110	478
120	271
130	57
140	13
150	0
160	0
170	0
180	0

## ZONAL LUMENS

Zone	Lumens	% Lamp	% Fixt
0 — 30	6767	18.8	23.1
0 — 40	12216	33.9	41.7
0 — 60	21603	60.0	73.8
0 — 90	27386	76.1	93.6
0 — 180	29273	81.3	100.0

®  
Lighting, Inc.

**OPTIONS — Factory installed. Order with fixture by adding suffix.**

Suffix	Description
-CFB	Charcoal Filter Breather.
-CXHL	Cord and Hook/Loop with Quick-On® Hanger - SO cord wired thru hook (specify cord length - see section notes.)
-CXHLP (X <sub>1</sub> )	Cord, Hook/Loop and 20A Plug with Quick-On® Hanger - SO cord with plug <sup>6</sup> wired thru hook (specify voltage) <sup>1</sup> (specify cord length - see notes.)
-CXHLP1-15A	Cord, Hook/Loop and 15A 120 Volt Plug With Quick-On® Hanger - SO cord with plug <sup>6</sup> wired thru hook (specify cord length - see notes.)
-CXHLP4-15A	Cord, Hook/Loop and 15A 277 Volt Plug With Quick-On® Hanger - SO cord with plug <sup>6</sup> wired thru hook (specify cord length - see notes.)
-CXHLP50 (X <sub>1</sub> )	Cord, Hook/Loop and 20A Plug With Slick-On® Hanger - SO cord with plug <sup>6</sup> wired thru hook (specify voltage) <sup>1</sup> (specify cord length - see notes.)
-CXHLP501-15A	Cord, Hook/Loop and 15A 120 Volt Plug With Slick-On® Hanger - SO cord with plug <sup>6</sup> wired thru hook (specify cord length - see notes.)
-CXHLP504-15A	Cord, Hook/Loop and 15A 277 Volt Plug With Slick-On® Hanger - SO cord with plug <sup>6</sup> wired thru hook (specify cord length - see notes.)
-CXHLP50F (X <sub>2</sub> )	Cord, Hook/Loop and 20A Plug with Slick-On® Hanger - single fuse (included) SO cord with plug <sup>6</sup> wired thru hook (specify voltage) <sup>3</sup> (specify cord length - see notes.)
-CXHLP50FF (X <sub>3</sub> )	Cord, Hook/Loop and 20A Plug with Slick-On® Hanger - double fuse (included) SO cord with plug <sup>6</sup> wired thru hook (specify voltage) <sup>4</sup> (specify cord length - see notes.)
-CXHLSO	Cord and Hook/Loop with Slick-On® Hanger - SO cord wired thru hook (specify cord length - see notes.)
-CXHLSOF (X <sub>2</sub> )	Cord and Hook/Loop with Slick-On® Hanger - single fuse (included) SO cord wired thru hook (specify voltage) <sup>3</sup> (specify cord length - see notes.)
-CXHLSOFF (X <sub>3</sub> )	Cord and Hook/Loop with Slick-On® Hanger - double fuse (included) SO cord wired thru hook (specify voltage) <sup>4</sup> (specify cord length - see notes.)
-DFP (X <sub>1</sub> )	Dead Front Disconnect - Includes cord, loop and dead front disconnect plug with Quick-On® hanger - 15" SO cord factory wired to the fixture. Order with PHS-XXXL (see mounting accessories) (specify voltage) <sup>1</sup>
-DFPF (X <sub>2</sub> )	Dead Front Disconnect with Single Fuse - Includes cord, loop and dead front disconnect plug plus single fuse block (fuse included) with Quick-On® hanger. 15" SO cord factory wired to fixture. Order with PHS-XXXL (see mounting accessories) (specify voltage) <sup>3</sup>
-DFPFF (X <sub>3</sub> )	Dead Front Disconnect with Double Fuse - Includes cord, loop and dead front disconnect plug plus a double fuse block (fuses included) with Quick-On® hanger. 15" SO cord factory wired to fixture. Order with PHS-XXXL (see mounting accessories) (specify voltage) <sup>4</sup>
-DFPSO (X <sub>1</sub> )	Dead Front Disconnect - Includes cord, loop and dead front disconnect plug with Slick-On® hanger. 15" SO cord factory wired to fixture. Order with PHS-XXXL (see mounting accessories) (specify voltage) <sup>1</sup>
-DFPSOF (X <sub>2</sub> )	Dead Front Disconnect with Single Fuse - Includes cord, loop and dead front disconnect plug plus a single fuse block (fuse included) with Slick-On® hanger. 15" SO cord factory wired to fixture. Order with PHS-XXXL (see mounting accessories) (specify voltage) <sup>3</sup>
-DFPSOFF (X <sub>3</sub> )	Dead Front Disconnect with Double Fuse - Includes cord, loop and dead front disconnect plug plus a double fuse block (fuses included) with Slick-On® hanger. 15" SO cord factory wired to fixture. Order with PHS-XXXL (see mounting accessories) (specify voltage) <sup>4</sup>
-EM	Emergency Circuit Complete with Slick-On® Hanger - D.C. bayonet base 120V quartz socket. For connection by customer to separate power supply.
-FCX <sub>1</sub> X <sub>2</sub>	Flexible Wire System Fixture Cord. Replace X <sub>1</sub> with: 3=3' or 6=6'; for cord length. Replace X <sub>2</sub> with required voltage: 1=120V; 2=208V; 3=240V; 4=277V; 5=480V; F=347V
-GR	Gray Lektrocote® Finish on housing. Replaces -WH in catalog number.
-JP	Job Pack. Master carton packaging of ballast housing to reduce corrugated waste disposal. For shipment to jobsite only.
-LRI <sup>2</sup>	Lower Luminaire Retainer - A snap-in cable on housing secures reflector to ballast housing.
-NMM	No Mounting Method - Neither Slick-On® nor Quick-On® provided with luminaire. Mounting method must be ordered as an accessory. Option used for applications requiring mounting method supplied in advance of luminaire.
-P	High Strength Polycarbonate Refractor.



® Lighting, Inc.

OPTIONS — Factory installed. Order with fixture by adding suffix.

Suffix	Description
-QSS	Quartz Standby System - On when power is restored, Off when HID lamp restrikes. Wattage of quartz lamp (not included) may not exceed wattage of HID lamp. (250W max. recommended). Uses 120V DC bayonet base lamp. Factory wired.
-QST	Quartz standby with time delay - On when power is restored, Off when HID lamp restrikes and has warmed up. Wattage not to exceed wattage of HID lamp (250 watt max recommended) uses 120 volt DC bayonet base lamp. Factory wired.
-SLD-1	Switch Level Dimming with 120V control. <sup>5</sup>
-SLD-2	Switch Level Dimming with 24V control. <sup>5</sup>
-SLD-3	Switch Level Dimming with 277V control. <sup>5</sup>
-SO	Slick-On® Thru Wire Outlet Box for 3/4" pendant or side entry conduit
-SOF (X <sub>2</sub> )	Slick-On® Thru Wire Outlet Box, single fuse (included) for 3/4" pendant or side entry conduit (specify voltage) <sup>3</sup>
-SOFF (X <sub>3</sub> )	Slick-On® Thru Wire Outlet Box, double fuse (included) for 3/4" pendant or side entry conduit (specify voltage) <sup>4</sup>
-TRI(X <sub>4</sub> ) <sup>2,7</sup>	Top Luminaire Retainer - Chain secures ballast housing to structure when additional safety precautions are required. Shipped in housing carton. Specify length. Recommended maximum slack - 3".

Note: To specify cord length substitute "X" as follows: 2-2 Ft., 4-4 Ft., 6-6 Ft., 8-8 Ft., 10-10 Ft., 12-12 Ft.

1. To specify voltage substitute "X<sub>1</sub>" as follows: 1-120V, 2-208V, 3-240V, 4-277V, 5-480V, 6-347V

2. Luminaire retainers/safety cables reduce risk of equipment falling.

3. To specify voltage substitute "X<sub>2</sub>" as follows: 1-120V, 4-277V, 6-347V

4. To specify voltage substitute "X<sub>3</sub>" as follows: 2-208V, 3-240V, 5-480V

5. For Motion Sensor and Switch Level Interface Panel accessories see **Controls**.

6. Twist-Lock plug.

7. To specify length, substitute X<sub>4</sub> as follows: 6-6', 10-10', 12-12', 16-16'.

## ACCESSORIES — Must be ordered separately

Catalog Number	Description
B-LLR <sup>1</sup>	Lower Luminaire Retainer - 2' cable secures reflector to ballast housing
B-TLR(X <sub>4</sub> ) <sup>1,5</sup>	Top luminaire retainer - Chain secures ballast housing to structure when additional safety precautions are required. Specify length.
BL-QO	Quick-On® 3/4" pendant mount.
BL-SO	Slick-On® thru wire outlet box for 3/4" pendant or side entry conduit.
BL-SOF	Slick-On® single fusing (fuse not included) thru wire outlet box for 3/4" pendant or side entry conduit mount with single fuse holder.
BL-SOFF	Slick-On® double fusing (fuses not included) thru wire outlet box for 3/4" pendant or side entry conduit mount with two fuse holders.
WG-23	23" Wireguard - corrosion resistant, welded steel with center lamp access.



Lighting, Inc.

## ACCESSORIES — Must be ordered separately

Catalog Number	Description
<b>MOUNTING ACCESSORIES</b>	
<b>HOOK/LOOP</b>	Hook - cast aluminum 3/4" NPS male. Includes safety screw. Converts to <b>Loop</b> with strap included.
<b>H3/4AL3/4</b>	Swivel Aligner - complete with box for thru wiring. All hubs tapped for 3/4" conduit.
<b>PHE-XXX<sup>4</sup></b>	Die Cast Aluminum Power Hook with 20A Twist-Lock® Receptacle - ceiling or 3/4" pendant mount, with 3/4" side entry for thru wiring. Cord, Hook/Loop and plug (20 amp) included.
<b>PHE-XXX-L<sup>2,4</sup></b>	As above, except cord, Hook/Loop, and plug not included.
<b>PHS-XXX<sup>4</sup></b>	Specification Grade Power Hook - dead front plug and receptacle with isolated wiring chamber. Ceiling or 3/4" pendant mount, with 3/4" side entry for thru wiring. Special safety feature locks Hook/Loop onto bottom hook when engaged.
<b>PHS-XXX-L<sup>3,4</sup></b>	As above except cord, Hook/Loop and dead front plug not included.
<b>SY3-XXX-2<sup>4</sup></b>	Rugged Steel Power Hook with 20A Twist-Lock® Receptacle- pendant or surface mount, 3/4" thru wiring capability. Cord, Hook/Loop and plug (20 amp) included.
<b>SY3-XXX-L<sup>2,4</sup></b>	As above, except cord, Hook/Loop and plug not included.

1. Luminaire retainers/safety cables reduce risk of equipment falling.

2. **Cord, Hook/Loop, and Plug** must be added to fixture as option, example: "- C2HLP4"

3. **Cord, Hook/Loop, and Dead Front Plug** must be added to fixture as option, example: "- DFP4"

4. To specify voltage, replace "XXX" with **120, 208, 240, 277, 347, 480**.

5. To specify length, substitute "X<sub>4</sub>" as follows: **6-6', 10-10', 12-12', 16-16'**.

## NEMA CONFIGURATIONS

Voltage	Description	Plugs <sup>1</sup>		Receptacles
		NEMA #	Plug #	NEMA #
20 Amp Twist-Lock Plugs and Receptacles				
120	2 pole, 3 wire grounding	L5-20P	2311	L5-20R
208		L6-20P	2321	L6-20R
240		L6-20P	2321	L6-20R
277		L7-20P	2331	L7-20R
480		L8-20P	2341	L8-20R
15 Amp Twist-Lock Plugs and Receptacles				
120	2 pole, 3 wire grounding	L5-15P	4720C	L5-15R
208		L6-15P	4570C	L6-15R
240		L6-15P	4570C	L6-15R
277		L7-15P	4770C	L7-15R

**Note:** All plugs used are manufactured by Hubbell Wiring Device Division.

1. CSA certified.



Lighting, Inc.