SUPERBAY LB1 SERIES

23" ALUMINUM LOW BAY

Cat. #		Approvals
Job	Type	

Industrial Lighting

APPLICATIONS

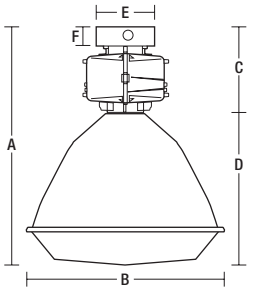
- Suited for low to medium mounting heights in areas requiring good horizontal uniformity and high vertical illumination.
- LB1 Series' low brightness refractor produces wide light distribution without harsh shadows, projecting light into machinery for optimum yet comfortable visibility.
- Ideal for food processing, automotive assembly, manufacturing and warehouse applications.

SPECIFICATIONS

- Reflector is spun, high purity, heavy-gauge aluminum with white Lektrocote® paint finish inside and out.
- Hinged and latched with corrosion-resistant steel hardware.
- Computer-designed acrylic refractor (polycarbonate available) is UV stabilized for long life and durability.
- Refractor provides square distribution to enhance uniformity and increase fixture spacings.

LISTINGS

- Meets UL 1598, CSA 22.2 No. 250.0-00 for lamp containment.
- Up to 55°C ambient, suitable for damp location, minimum 90°C supply conductors.



	A	B	C	D	E
SLICK-ON®	27"	23 1/8"	9 1/2"	17 1/2"	2"
	686 mm	587 mm	241 mm	444 mm	51 mm
QUICK-ON®	26 1/8"	23 1/8"	8 5/8"	17 1/2"	1 1/8"
	664 mm	587 mm	219 mm	444 mm	29 mm

ORDERING INFORMATION

ORDERING EXAMPLE: BL-320P5-LB1-WH

BL	-				-		-		-	EX
Series		Wattage		Source	Voltage	Optics		Color		Socket

SERIES

BL	Superbay Series

WATTAGE

150	150 watt HPS
175	175 watt Pulse Start MH only
250	250 watt MH, Pulse Start MH or HPS
320	320 watt Pulse Start MH only
400	400 watt Pulse Start MH or HPS

SOURCE

S	High Pressure Sodium
P	Pulse Start Metal Halide

VOLTAGE

5	480V
6	Tri-Tap® - 120/277/347V
8	Quad-Tap® - 120/208/240/277V
F	347V

OPTICS

LB1	23" Spun Aluminum Low Bay with Bottom Lens Refractor

SOCKET

EX	Exclusionary Socket. Required Option For PSMH

COLOR

WH	White (standard)
GR	Gray (optional)

NOTE: Energy Saving Linear Reactor Pulse Start ballast available, consult factory (277V only).
NOTE: Options must be added as suffix to Catalog Number. Accessories must be ordered separately.

MAX AMBIENT TEMPERATURE CHART

WATTAGE	LB1 OPTIC
150	55°C
175	55°C
250	55°C
320	55°C
400	55°C

LB1 UNIT PACKS

MATERIAL	*MATERIAL DESCRIPTION*	*WATTAGE*	*VOLTAGE*	*LAMP BASE*
HIGH PRESSURE SODIUM				
BL400S8WHLB1UPL	BL-400S8-WH-LB1-UPL	400	Quad-Tap	Mogul

ORDERING INFORMATION

OPTIONS FOR SUPERBAY SERIES

Factory installed — order with fixture by adding suffix.

PLUGS ARE TWIST-LOCK® TYPE AS MANUFACTURED BY HUBBELL WIRING DEVICES.

Suffix	Description
-CFB	Charcoal filter breather
-C4HL	4' Cord, Hook/Loop w/ Quick-On® Hanger - SO cord wired thru hook
-C6HL	6' Cord, Hook/Loop w/ Quick-On® Hanger - SO cord wired thru hook
-C8HL	8' Cord, Hook/Loop w/ Quick-On® Hanger - SO cord wired thru hook
-C10HL	10' Cord, Hook/Loop w/ Quick-On® Hanger - SO cord wired thru hook
-C12HL	12' Cord, Hook/Loop w/ Quick-On® Hanger - SO cord wired thru hook

CORD, HOOK/LOOP & 20A PLUG W/ QUICK-ON® HANGER - SO CORD W/ PLUG WIRED THRU HOOK

LENGTH		X=	120V	208V	240V	277V	480V	347V
-C4HLP (X)	4'		**1**	**2**	**3**	**4**	**5**	**C**
-C6HLP (X)	6'		**1**	**2**	**3**	**4**	**5**	**C**
-C8HLP (X)	8'		**1**	**2**	**3**	**4**	**5**	**C**
-C10HLP (X)	10'		**1**	**2**	**3**	**4**	**5**	**C**
-C12HLP (X)	12'		**1**	**2**	**3**	**4**	**5**	**C**

CORD, HOOK/LOOP & 15A PLUG W/ QUICK-ON® HANGER - SO CORD W/ PLUG WIRED THRU HOOK

LENGTH		X=	120V	208V	240V	277V	480V	347V
-C4HLPX-15A	4'		**1**	**2**	**3**	**4**	**5**	**C**
-C6HLPX-15A	6'		**1**	**2**	**3**	**4**	**5**	**C**
-C8HLPX-15A	8'		**1**	**2**	**3**	**4**	**5**	**C**
-C10HLPX-15A	10'		**1**	**2**	**3**	**4**	**5**	**C**
-C12HLPX-15A	12'		**1**	**2**	**3**	**4**	**5**	**C**

-C4HLP1-15A	4' Cord, Hook/Loop & 15A 120V Plug w/ Quick-On® Hanger - SO cord w/ plug wired thru hook
-C6HLP1-15A	6' Cord, Hook/Loop & 15A 120V Plug w/ Quick-On® Hanger - SO cord w/ plug wired thru hook
-C8HLP1-15A	8' Cord, Hook/Loop & 15A 120V Plug w/ Quick-On® Hanger - SO cord w/ plug wired thru hook
-C10HLP1-15A	10' Cord, Hook/Loop & 15A 120V Plug w/ Quick-On® Hanger - SO cord w/ plug wired thru hook
-C12HLP1-15A	12' Cord, Hook/Loop & 15A 120V Plug w/ Quick-On® Hanger - SO cord w/ plug wired thru hook
-C4HLP4-15A	4' Cord, Hook/Loop & 15A 277V Plug w/ Quick-On® Hanger - SO cord w/ plug wired thru hook
-C6HLP4-15A	6' Cord, Hook/Loop & 15A 277V Plug w/ Quick-On® Hanger - SO cord w/ plug wired thru hook
-C8HLP4-15A	8' Cord, Hook/Loop & 15A 277V Plug w/ Quick-On® Hanger - SO cord w/ plug wired thru hook
-C10HLP4-15A	10' Cord, Hook/Loop & 15A 277V Plug w/ Quick-On® Hanger - SO cord w/ plug wired thru hook
-C12HLP4-15A	12' Cord, Hook/Loop & 15A 277V Plug w/ Quick-On® Hanger - SO cord w/ plug wired thru hook

CORD, HOOK/LOOP & 20A PLUG W/ SLICK-ON® HANGER - SO CORD W/ PLUG WIRED THRU HOOK

LENGTH		X=	120V	208V	240V	277V	480V	347V
-C4HLPSO (X)	4'		**1**	**2**	**3**	**4**	**5**	**C**
-C6HLPSO (X)	6'		**1**	**2**	**3**	**4**	**5**	**C**
-C8HLPSO (X)	8'		**1**	**2**	**3**	**4**	**5**	**C**
-C10HLPSO (X)	10'		**1**	**2**	**3**	**4**	**5**	**C**
-C12HLPSO (X)	12'		**1**	**2**	**3**	**4**	**5**	**C**

Suffix	Description
-C4HLPS01-15A	4' Cord, Hook/Loop & 15A 120V Plug w/ Slick-On® Hanger - SO cord w/ plug wired thru hook
-C6HLPS01-15A	6' Cord, Hook/Loop & 15A 120V Plug w/ Slick-On® Hanger - SO cord w/ plug wired thru hook
-C8HLPS01-15A	8' Cord, Hook/Loop & 15A 120V Plug w/ Slick-On® Hanger - SO cord w/ plug wired thru hook
-C10HLPS01-15A	10' Cord, Hook/Loop & 15A 120V Plug w/ Slick-On® Hanger - SO cord w/ plug wired thru hook
-C12HLPS01-15A	12' Cord, Hook/Loop & 15A 120V Plug w/ Slick-On® Hanger - SO cord w/ plug wired thru hook
-C4HLPS04-15A	4' Cord, Hook/Loop & 15A 277V Plug w/ Slick-On® Hanger - SO cord w/ plug wired thru hook
-C6HLPS04-15A	6' Cord, Hook/Loop & 15A 277V Plug w/ Slick-On® Hanger - SO cord w/ plug wired thru hook
-C8HLPS04-15A	8' Cord, Hook/Loop & 15A 277V Plug w/ Slick-On® Hanger - SO cord w/ plug wired thru hook
-C10HLPS04-15A	10' Cord, Hook/Loop & 15A 277V Plug w/ Slick-On® Hanger - SO cord w/ plug wired thru hook
-C12HLPS04-15A	12' Cord, Hook/Loop & 15A 277V Plug w/ Slick-On® Hanger - SO cord w/ plug wired thru hook

CORD, HOOK/LOOP & 20A PLUG W/ SLICK-ON® HANGER - SINGLE FUSE (incl.) SO CORD W/ PLUG WIRED THRU HOOK

LENGTH		X_3=	120V	277V	347V
-C4HLPSOF (X_3)	4'		**1**	**4**	**C**
-C6HLPSOF (X_3)	6'		**1**	**4**	**C**
-C8HLPSOF (X_3)	8'		**1**	**4**	**C**
-C10HLPSOF (X_3)	10'		**1**	**4**	**C**
-C12HLPSOF (X_3)	12'		**1**	**4**	**C**

CORD, HOOK/LOOP & 20A PLUG W/ SLICK-ON® HANGER - DOUBLE FUSE (incl.) SO CORD W/ PLUG WIRED THRU HOOK

LENGTH		X_4=	208V	240V	480V
-C4HLPSOFF (X_4)	4'		**2**	**3**	**5**
-C6HLPSOFF (X_4)	6'		**2**	**3**	**5**
-C8HLPSOFF (X_4)	8'		**2**	**3**	**5**
-C10HLPSOFF (X_4)	10'		**2**	**3**	**5**
-C12HLPSOFF (X_4)	12'		**2**	**3**	**5**

-C4HLSO	4' Cord & Hook/Loop w/ Slick-On® Hanger - SO cord wired thru hook
-C6HLSO	6' Cord & Hook/Loop w/ Slick-On® Hanger - SO cord wired thru hook
-C8HLSO	8' Cord & Hook/Loop w/ Slick-On® Hanger - SO cord wired thru hook
-C10HLSO	10' Cord & Hook/Loop w/ Slick-On® Hanger - SO cord wired thru hook
-C12HLSO	12' Cord & Hook/Loop w/ Slick-On® Hanger - SO cord wired thru hook

Suffix	Description

CORD, HOOK/LOOP W/ SLICK-ON® HANGER -
SINGLE FUSE (incl.) SO CORD W/ PLUG WIRED THRU HOOK

LENGTH		X_2=	120V	277V	347V
-C4HLSOF (X_2)	4’		**1**	**4**	**C**
-C6HLSOF (X_2)	6’		**1**	**4**	**C**
-C8HLSOF (X_2)	8’		**1**	**4**	**C**
-C10HLSOF (X_2)	10’		**1**	**4**	**C**
-C12HLSOF (X_2)	12’		**1**	**4**	**C**

CORD, HOOK/LOOP W/ SLICK-ON® HANGER -
DOUBLE FUSE (incl.) SO CORD W/ PLUG WIRED THRU HOOK

LENGTH		X_3=	208V	240V	480V
-C4HLSOFF (X_3)	4’		**2**	**3**	**5**
-C6HLSOFF (X_3)	6’		**2**	**3**	**5**
-C8HLSOFF (X_3)	8’		**2**	**3**	**5**
-C10HLSOFF (X_3)	10’		**2**	**3**	**5**
-C12HLSOFF (X_3)	12’		**2**	**3**	**5**

DEAD FRONT DISCONNECT -
incl. CORD, LOOP & DEAD FRONT DISCONNECT PLUG W/ QUICK-ON® HANGER -
15” SO cord factory wired to fixture; order w/ **PHS-XXXL** (see mounting access.)

	X_1=	120V	208V	240V	277V	480V	347V
-DFP (X_1)		**1**	**2**	**3**	**4**	**5**	**F**

DEAD FRONT DISCONNECT W/ SINGLE FUSE -
incl. CORD, LOOP & DEAD FRONT DISCONNECT PLUG PLUS SINGLE FUSE BLOCK
(fuse incl.) W/ QUICK-ON® HANGER -
15” SO cord factory wired to fixture; order w/ **PHS-XXXL** (see mounting access.)

	X_3=	120V	277V	347V
-DFPF (X_3)		**1**	**4**	**F**

DEAD FRONT DISCONNECT W/ DOUBLE FUSE -
incl. CORD, LOOP & DEAD FRONT DISCONNECT PLUG PLUS DOUBLE FUSE BLOCK
(fuse incl.) W/ QUICK-ON® HANGER -
15” SO cord factory wired to fixture; order w/ **PHS-XXXL** (see mounting access.)

	X_4=	208V	240V	480V
-DFPFF (X_4)		**2**	**3**	**5**

DEAD FRONT DISCONNECT -
incl. CORD, LOOP & DEAD FRONT DISCONNECT PLUG W/ SLICK-ON® HANGER -
15” SO cord factory wired to fixture; order w/ **PHS-XXXL** (see mounting access.)

	X_1=	120V	208V	240V	277V	480V	347V
-DFPSO (X_1)		**1**	**2**	**3**	**4**	**5**	**F**

DEAD FRONT DISCONNECT W/ SINGLE FUSE -
incl. CORD, LOOP & DEAD FRONT DISCONNECT PLUG PLUS SINGLE FUSE BLOCK
(fuse incl.) W/ SLICK-ON® HANGER -
15” SO cord factory wired to fixture; order w/ **PHS-XXXL** (see mounting access.)

	X_3=	120V	277V	347V
-DFPSOF (X_3)		**1**	**4**	**F**

DEAD FRONT DISCONNECT W/ DOUBLE FUSE -
incl. CORD, LOOP & DEAD FRONT DISCONNECT PLUG PLUS DOUBLE FUSE BLOCK
(fuse incl.) W/ SLICK-ON® HANGER -
15” SO cord factory wired to fixture; order w/ **PHS-XXXL** (see mounting access.)
(not for Canada)

	X_3=	208V	240V	480V
-DFPSOFF (X_3)		**2**	**3**	**5**

Suffix	Description
-EM	Emergency Circuit Complete w/ Slick-On® hanger - D.C. bayonet base, 120V quartz socket; for connection by customer to separate power supply

FLEXIBLE WIRE SYSTEM FIXTURE CORD (CANADA ONLY)

LENGTH		X_1=	120V	208V	240V	277V	480V	347V
-FC3X_1	3’		**1**	**2**	**3**	**4**	**5**	**C**
-FC6X_1	6’		**1**	**2**	**3**	**4**	**5**	**C**

-GR	Gray Lektrocote® Finish on housing; replace **-WH** in catalog number
-JP	Job Pack - master carton packaging of ballast housing to reduce corrugated waste disposal; for shipment to jobsite only
-LRI[1]	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 w/ 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
-QSS	Quartz Standby System - ON when power is restored, OFF when HID lamp restrikes. Wattage of quartz lamp (not incl.) 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 is warmed up. Wattage not to exceed wattage of HID lamp (250W max. recommended). Uses 120V DC bayonet base lamp. Factory wired.
-SLD-1	Switch Level Dimming with 120V control
-SLD-2	Switch Level Dimming with 24V control
-SLD-3	Switch Level Dimming with 120 or 277V control (Direct Control)
-SO	Slick-On® Thru Wire Outlet Box for 3/4” pendant or 1/2” or 3/4” side entry conduit

SLICK-ON® THRU WIRE OUTLET BOX, SINGLE FUSE (incl.)
for 3/4” pendant or side entry conduit

	X_3=	120V	277V	347V
-SOF (X_3)		**1**	**4**	**F**

SLICK-ON® THRU WIRE OUTLET BOX, DOUBLE FUSE (incl.)
for 3/4” pendant or side entry conduit (not for Canada)

	X_4=	208V	240V	480V
-SOFF (X_4)		**2**	**3**	**5**

-TRI(X)	Top Luminaire Retainer - chain secures ballast housing to structure when additional safety precautions are required. Shipped in housing carton. Specify length (X), recommended maximum slack is 3”

1 Luminaire retainers/safety cables reduce risk of equipment falling

NOTE: For specific applications, bottom enclosures may be required. For more information, please see specific lamp manufacturers’ data and the NEMA white paper “Best Practices for Metal Halide Lighting Systems” posted on the NEMA web site (www.nema.org).

WARNING: Improper selection, installation, operation, servicing, removal, and disposal of lighting products may create serious hazardous including fires, explosions, shock, burns, cuts, impaired vision, falling objects, and environmental contamination. Reduce risks by using the guidance of licensed professionals throughout the product life cycle, and following individual product, component, and accessory safety instructions and labels.

We offer this in the interest of safety for our customers, who may not be aware of the potentially high risk involved in the misuse of these products.

ORDERING INFORMATION

ACCESSORIES
(order separately)

Catalog #	Description
B-LLR[1]	Lower Luminaire Retainer - 2' cable secures reflector to ballast housing
B-TLR(6)[1]	6' Top Luminaire Retainer - chain secures ballast housing to structure when additional safety precautions are required
B-TLR(10)[1]	10' Top Luminaire Retainer - chain secures ballast housing to structure when additional safety precautions are required
B-TLR(12)[1]	12' Top Luminaire Retainer - chain secures ballast housing to structure when additional safety precautions are required
B-TLR(16)[1]	16' Top Luminaire Retainer - chain secures ballast housing to structure when additional safety precautions are required
BL-QO	Quick-On 3/4" pendant mount
BL-SO	Slick-On Thru Wire Outlet Box for 3/4" pendant or 3/4, 1/2 side entry conduit
BL-SOF	Slick-On Single Fusing (fuse not incl.) thru wire outlet box for 3/4" pendant or 3/4, 1/2 side entry conduit mount with single fuse holder
BL-SOFF	Slick-On Double Fusing (fuses not incl.) thru wire outlet box for 3/4" pendant or 3/4, 1/2 side entry conduit mount with double fuse holder (not for Canada)
WG-23	23" Wireguard - corrosion resistant, welded steel w/ center lamp access

1 Luminaire retainers/safety cables reduce risk of equipment falling.
2 Bottom enclosures are required unless lamps designated as "suitable for open use" are used.

MOUNTING ACCESSORIES
(order separately)
PLUGS ARE TWIST-LOCK® TYPE AS MANUFACTURED BY HUBBELL WIRING DEVICES.

Catalog #	Description
BLA-C4HLP-1	4' Cord, Hook/Loop and 120V 20A Twist-Lock® Plug
BLA-C4HLP-4	4' Cord, Hook/Loop and 277V 20A Twist-Lock® Plug
BLA-C4HLP1-15A	4' Cord, Hook/Loop and 120V 15A Twist-Lock® Plug
BLA-C4HLP4-15A	4' Cord, Hook/Loop and 277V 15A Twist-Lock® Plug
HOOK/LOOP[1]	Hook - cast aluminum 3/4" NPS male; includes safety screw; converts to Loop with strap included
H3/4AL3/4[1]	Swivel Aligner - complete with box for thru wiring; all hubs tapped for 3/4" conduit - 25° swivel
PHE-XXX[1]	Die Cast Aluminum Power Hook with 20A Twist-Lock® Receptacle - ceiling or 3/4" pendant mount, with 3/4" side entry for thru wiring 15" Cord, Hook/Loop & Twist-Lock® Plug (20 amp) included (for voltage replace XXX with 120, 208, 240, 277, 347, or 480)
PHE-XXX-L[2]	As above, except cord, loop & plug not included (for voltage replace XXX with 120, 208, 240, 277, 347, or 480)
PHS-XXX	Specification Grade Power Hook - 30" cord dead front plug & 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 (for voltage replace XXX with 120, 208, 240, 277, 347, or 480)
PHS-XXX-L[1,3]	Specification Grade Power Hook - dead front receptacle with isolated wiring chamber; ceiling or 3/4" pendant mount, with 3/4" side entry for thru wiring; Cord, Hook/Loop and Dead Front Plug not included, must be ordered with luminaire (for voltage replace XXX with 120, 208, 240, 277, 347, or 480)
SY3-XXX-2	Rugged Steel Power Hook with 20A Twist-Lock® Receptacle - pendant or surface mount, 3/4" thru wiring capability; 30" Cord, Hook/Loop and Plug (20 amp) included (for voltage replace XXX with 120, 208, 240, 277, 347, or 480)
SY3-XXX-L[2]	Porta-Hook includes integral mounting hook and 20A Twist-Lock® Receptacle; 3/4" knockouts on top and two sides; Cord, Hook/Loop and Plug (20 amp) not included (for voltage replace XXX with 120, 208, 240, 277, 347, or 480)

1 CSA certified.
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**.
NOTE: Cord used with above accessories is 16/3 SOWA 105°C NEMA configurations.

QUICK ESTIMATOR BL-LB1

LAMP QTY-LU/LP INPUT WATTS	SC @2/@4 LLF TEST #	ROOM WIDTH -/- MOUNTING HEIGHT (above floor)	ILLUMINANCE (MAINTAINED) APPROXIMATE AREA PER LUMINAIRE (SQ. FT.) / APPROXIMATE WATTS PER SQ. FT. (w/Blst. Losses) 10 fc	20 fc	50 fc	75 fc	100 fc
MS250/BU/PS	1.6/1.5	5 or more	1017 / 0.29	508 / 0.57	203 / 1.44	136 / 2.15	n.r. / n.r.
1 @ 23800	0.59	2	724 / 0.40	362 / 0.81	145 / 2.02	97 / 3.02	n.r. / n.r.
292	HP-05619	1	529 / 0.55	265 / 1.10	103 / 2.76	71 / 4.14	n.r. / n.r.
MS400/BU/PS	1.5/1.5	5 or more	1983 / 0.23	991 / 0.46	397 / 1.14	264 / 1.71	198 / 2.28
1 @ 44000	0.59	2	1390 / 0.33	695 / 0.65	278 / 1.63	185 / 2.44	139 / 3.25
452	HP-05685	1	1030 / 0.44	515 / 0.88	206 / 2.19	137 / 3.29	103 / 4.39

To determine the number of luminaires required for a given illuminance level:

Step 1: Determine room size per column three below as 5 or more (Large Room), 2 (Medium Room) or 1 (Small Room.

Step 2: For desired footcandle level, per room size, divide floor area of space by "Approximate Area per Luminaire" from chart.

Step 3: If required, adjust result of Step 2 to "whole number." Result is quantity of luminaires required to provide approximate, average maintained illuminance selected.

Due to our continued efforts to improve our products, product specifications are subject to change without notice.

HUBBELL®
Industrial Lighting

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For more information visit our web site: **www.hubbell-ltg.com**

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