

Type No. \_\_\_\_\_

Catalog No. \_\_\_\_\_

Job. Name \_\_\_\_\_

# ILXCB Series

## IL Xtreme Industrial Comfort Bay, 175-450 watt HID

### APPLICATIONS

- Applications include assembly areas, industrial facilities, and warehouses.

### CONSTRUCTION

- Low profile, die-cast aluminum ballast enclosure is finned for heat dissipation and has a white UltraClad polyester powder coat, electrostatically applied and oven cured. Totally enclosed core and coil assembly and capacitor for safe and reliable component life. Standard safety cable between optical/ballast assembly allows secure relamping. Standard unit constructed to IP65. Less Ballast option constructed to IP54. With Nut and Hub option, unit is constructed to IP54.

### OPTICS

- Modular optical assembly with integrally cast hinge and electrical disconnect. Heavy gauge aluminum reflector with high-reflectivity white UltraClad polyester powder coat finish provides the upper portion of the optical assembly which features a permanently sealed prismatic refractor, available in either a Conical or a Dropped profile. Optical assembly is held in place by a heavy-duty stainless steel high compression latch and is fully gasketed to the ballast housing ensuring a Dust-Tite optical assembly for higher maintained light levels. An upright component option is available to provide fill light on ceiling surfaces to improve the quality of the lighting environment.

### ELECTRICAL

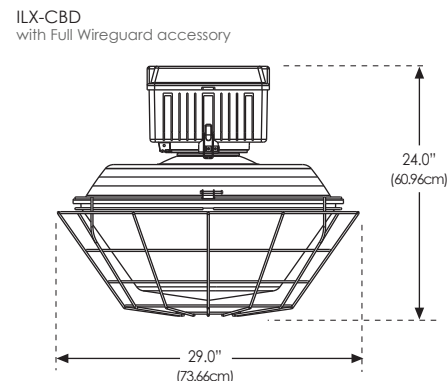
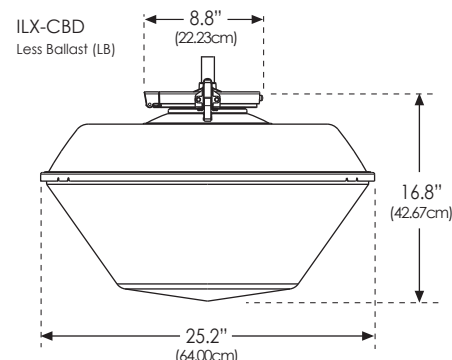
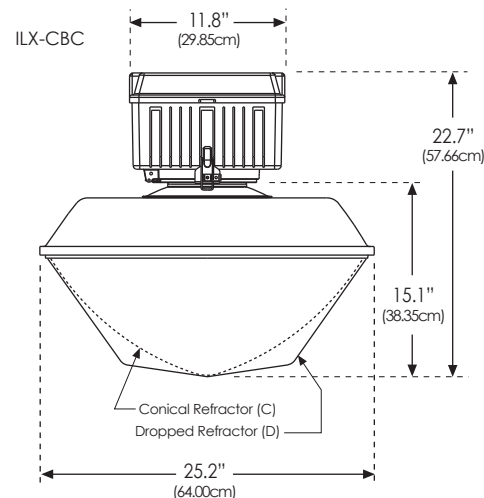
- SilentGuard high power factor ballast with reliable starting to -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium. A solid polyester resin compound encapsulates the core and coil assembly to isolate vibration, suppress sound, dissipate heat, provide protection from moisture and corrosion. Capacitor and starter (HPS and PS models) are mounted on a separate slide-out plate to facilitate field maintenance. 180°C (356°F) Class H insulation system. Crest factor does not exceed 1.8. ILXR Regulated Lag Ballast also available, suitable for heavy industrial applications. Electronic Ballast option is available. Require the use of mogul-based lamps. Pulse Start Metal Halide units require the use of open rated lamps.

### MOUNTING

- Removable die-cast ballast enclosure top is supplied with 3/4" NPT conduit entrance. Heavy duty cast-in hinge supports fixture and pre-wired ballast assembly while line connections are made. Cast aluminum nut and hub option provides quick, positive mounting to 3/4" NPT conduit.

### WARRANTY/LISTINGS

- Standard 5 Year Limited Warranty. ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for wet locations. Suitable for use in ambient not exceeding 40°C (140°F). NSF Sanitation Listing available. High Pressure Hose Down option rated to withstand up to 1300 psi. May be combined with the NSF Sanitation Listed option (SL). The quality systems of this facility have been Registered by UL to the ISO 9000 Series Standards.



See Page 2 for Ordering Information

# ILXCB Series


## IL Xtreme Industrial Comfort Bay, 175-450 watt HID

ILX-CBC



ILX-CBD



Series / Source - Wattage	Optics	Voltage <sup>(4)</sup>
Pulse Start Metal Halide <sup>(1)</sup> <input type="checkbox"/> ILXP-175 <input type="checkbox"/> ILXP-200 <input type="checkbox"/> ILXP-250 <input type="checkbox"/> ILXP-320 <input type="checkbox"/> ILXP-350 <input type="checkbox"/> ILXP-400 <input type="checkbox"/> ILXP-450 	<input type="checkbox"/> <b>CBC</b> Comfort Bay reflector with Conical refractive lens  <input type="checkbox"/> <b>CBD</b> Comfort Bay reflector with Dropped refractive lens	<input type="checkbox"/> <b>120</b>  <input type="checkbox"/> <b>208</b>  <input type="checkbox"/> <b>240</b>  <input type="checkbox"/> <b>277</b>  <input type="checkbox"/> <b>480</b>  <input type="checkbox"/> <b>QV</b> <i>Quad voltage ballast. Allows field selection of 120/208/240/277 voltage.</i>
PSMH w/Pulse Reg Magnetic Ballast <sup>(1,2)</sup> <input type="checkbox"/> ILXR-175 <input type="checkbox"/> ILXR-250 <input type="checkbox"/> ILXR-400 <input type="checkbox"/> ILXR-450 <sup>(3)</sup>		
High Pressure Sodium <input type="checkbox"/> ILXS-250 <input type="checkbox"/> ILXS-400		

(1) Requires open rated lamps.

(2) Pulse Reg Magnetic Ballast (w/Pulse Start Lamps) feature:

- a) 10:4 lamp wattage regulation  
(10% line voltage change = 4% lamp wattage change)
- b) Ability to absorb voltage fluctuations common to heavy industrial applications
- c) Compensation for large voltage drops associated with long circuit runs
- d) Stable lamp output in spite of input power fluctuations
- e) Available in 120V, 277V or 480V.

(3) ILXR-450 available in 277V only.

(4) Electronic ballast options are available in limited wattages, voltages, and sources.

### Distribution Guide and Ballast Data <sup>(1)</sup>

Source Type <sup>(2)</sup>	Catalog Number	Lamp Envelope <sup>(3)</sup>	Efficiency CBC	Efficiency CBD	Spacing Criteria CBC	Spacing Criteria CBD	.ies File Name <sup>(4)</sup>	Ballast Type <sup>(5)</sup>	ANSI Code	Line Current 120/208/240/277/480	Line Watts	LER <sup>(6)</sup> CBC	LER <sup>(6)</sup> CBD
<b>PS</b>	ILXP-250	BT/ED28	87%	84%	2	2.1	cbpc25(*).ies	CWA	M138 / M153	2.5 / 1.5 / 1.3 / 1.1 / 0.6	298	72	69
	ILXP-320	BT/ED28	86%	83%	2	2.1	cbpc32(*).ies	CWA	M132 / M154	3.3 / 1.9 / 1.7 / 1.4 / 0.8	368	75	73
	ILXP-350	BT/ED37	86%	83%	2	2.1	cbpc35(*).ies	CWA	M131	3.7 / 2.1 / 1.8 / 1.6 / 0.9	400	76	73
	ILXP-400	BT/ED37	87%	81%	2	2.1	cbpc40(*).ies	CWA	M135 / M155	4.0 / 2.2 / 1.9 / 1.8 / 1.0	456	77	73
	ILXP-450	BT/ED37	87%	81%	1.7	1.8	cbpc45(*).ies	CWA	M144	4.4 / 2.6 / 2.2 / 1.9 / 1.1	514	77	73
<b>PS(R)</b>	ILXR-175	BT/ED28	87%	84%	2	2.1	cbpc17(*).ies	ILXR	M137 / M152	2.0 / N/A / N/A / .85 / 0.5	220	66	63
	ILXR-250	BT/ED28	87%	84%	2	2.1	cbpc25(*).ies	ILXR	M138 / M153	2.75 / N/A / 1.4 / 1.2 / 0.7	298	69	67
	ILXR-400	BT/ED37	87%	81%	2	2.1	cbpc40(*).ies	ILXR	M135 / M155	3.95 / 2.3 / 2.0 / 1.7 / 1.0	465	79	73
	ILXR-450	BT/ED37	87%	81%	1.7	1.8	cbpc45(*).ies	ILXR	M144	N/A / N/A / N/A / 2.0 / N/A	530	77	72
<b>HPS</b>	ILXS-250	E18	89%	84%	1.9	1.7	cbpc25(*).ies	CWA	S50	2.7 / 1.6 / 1.3 / 1.2 / 0.7	310	86	81
	ILXS-400	E18	88%	83%	1.9	1.7	cbpc40(*).ies	CWA	S51	4.1 / 2.5 / 2.1 / 1.9 / 1.1	467	95	89

Distribution Guide and Ballast Data Notes:

1) The ILXtreme Comfort Bay accommodates a variety of other wattages and lamps. Please consult factory with specific requirements.

2) PS = Pulse Start Metal Halide  
PS(R) = Pulse Start Metal Halide w / Pulse Reg (ILXR) Magnetic Ballast.  
HPS = High Pressure Sodium.

3) Phosphor coated lamps recommended for Pulse Start Metal Halide. Clear lamps recommended for High Pressure Sodium. PSMH units require open rated lamps.

4) Replace (\*) with C for Conical Refractor or D for Dropped Refractor

5) CWA = Constant Wattage Autotransformer; ILXR = Pulse Reg (Magnetic Regulated Lag).

6) Calculated in accordance with NEMA standard LE-5B.

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Specifications are subject to change without notice.

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# ILXCB Series

## IL Xtreme Industrial Comfort Bay, 175-450 watt HID

### Options (factory installed)

#### ☐ **E** Electronic ballast option

Use this option when a specific manufacturer's ballast is not required. Wide-Lite will select a ballast that is appropriate for the application. Consult factory if a specific mfg's ballast is selected to assure compatibility.

Available for PSMH units only in the following wattages: 320, 350, 400, 450. 450W available in 277V only.

Standard available voltages: 208, 277, 240V. Not available in 480V.

Note: Limited availability in other wattages, voltages and sources. Consult factory.

Option selection by electronic ballast manufacturer.

- ☐ **E1** Metrolight  
☐ **E2** Universal  
☐ **E3** Venture

Electronic ballast dimming options (specify in addition to E or E1, E2 or E3).

- ☐ **BL50** Bi-Level (Hi-Low) dimming to 50% power  
☐ **AD50** Analog (full range 0-50) dimming to 50% power

Leave blank to specify electronic ballast without dimming capability.

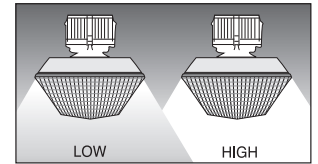
Dimming options for standard core and coil HID ballasts

- ☐ **BL** Bi-Level Requires 5-wire.  
☐ **TL** Tri-Level Requires 5-wire.

**Not available with ILXR Pulse Reg magnetic ballast or Electronic ballast options.**

Bi-Level option provides high/low dimming levels of lamp output with 50% power consumption. Zero crossover network avoids strobing and lamp dropout.

Tri-Level option provides high/mid/low dimming levels.



### Quartz Auxiliary / Emergency Lighting Systems

Note: Combined Quartz wattage may not exceed HID lamp wattage. Standard 150 watt (120V) double contact bayonet base socket.

LQ1 and LQ2 require an Interlock (by others) to ensure HID and quartz source are not operated together.

- ☐ **CSR** Hot Quartz Restrike  
☐ **LQ** Hot/Cold Quartz Restrike  
☐ **LQ1** Separately wired (120V) Quartz Restrike Requires 5-wire.  
☐ **LQ2** LQ and LQ1 combined in the same fixture Requires 5-wire.

### Litematic Operation (LQ = LiteMatic Quartz)

**Normal Start:**  
Main HID and auxiliary Quartz lamps both energized.



**Main Lamp Reaches Approximately 40% of Rated Output:**  
Auxiliary Quartz lamp automatically extinguishes. Combined lamp currents never exceed that of main lamp at 100% output.



**When Arc Extinguished:**  
After power interruption, auxiliary Quartz lamp is automatically energized when power is restored and remains on during run down, restrike and ramp up.



**Main Lamp Reaches Approximately 40% of Rated Output:**  
Auxiliary Quartz lamp automatically extinguishes.

**CSR:** Quartz restrike using a current sensing relay.  
**Activation:** At cold start / restrike, through Run Down. Extinguishes once main HID lamp strikes / restrikes.

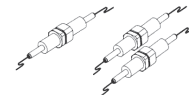
**LQ:** Provides LiteMatic T5HO Quartz auxiliary operation for fixtures with 120V or multi-tap ballasts.  
**Activation:** At cold start / restrike, through run down, restrike and ramp up. Extinguishes after HID lamp reaches approximately 40% light output.

**LQ1:** Separately wired, externally controlled Quartz Emergency Lighting from an auxiliary power source (generator, inverter, UPS).  
**Activation:** Emergency (Black Out) conditions only. Extinguishes when main power is restored.

**LQ2:** Combines the standard LQ and LQ1 systems to provide the ultimate in safety and security.  
**Activation:** 1) At cold start / restrike, through run down, restrike and ramp up. Extinguishes after HID lamp reaches approximately 40% light output.  
2) Emergency (Black Out) conditions only. Extinguishes when main power is restored.

- ☐ **F1** Single fuse (120V/277V)  
☐ **F2** Double fuse (208V/240V/480V)  
Note: If ordering QV ballast, voltage must be specified.

Standard unit consists of 1 or 2 KTK 30 amp fuses mounted internally on the ballast plate.



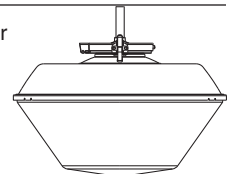
- ☐ **AUL** Additional uplight

Additional Uplight feature utilizes ceiling reflectances to eliminate shadows and improve overall uniformity.

- ☐ **LB** Less ballast (3/4" NPT stem required)

Optics are pendant mounted on a swing plate. Suggested for use in retail stores or any environment where aesthetics are a concern. Includes wiring quick disconnect.

**Maximum Remote Ballast Distances apply. Consult factory.**



- ☐ **HPHD** High pressure hose down option  
Note: Option may only be specified with direct conduit mounting methods.

Rated to withstand up to 1300 psi, the HPHD option offers further durability and may be combined with the SL option.

- ☐ **SL** Sanitation Listed  
Note: Required for NSF Listing

NSF Listed for Splash and Non-Food zones.  
(NSF listing indicates compliance to a level of cleanliness.)

# ILXCB Series

## IL Xtreme Industrial Comfort Bay, 175-450 watt HID

### Alternate Mounting options

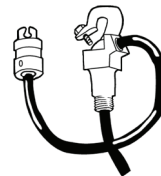
**Note:** \* Units intended for use with HCP, H4, LCP, H5 or standard UPH-LCMP or TWB-EDP options are not suitable for Wet Locations. Specify -WL versions as req'd.

- ☐ **HCP-(X)C-L(Y)20P\*** Hook, Cord and Plug, 3-Wire  
(X) = Cord length in feet  
(Y) = 3-Wire NEMA voltage code:  
5=120V, 6=208/240V, 7=277V, 8=480V

- ☐ **HCP-(X)C-L2320P\*** Hook, Cord and Plug, 5-Wire  
(X) = Cord length in feet: 3, 6 or 10

Unit is pre-wired with 3-conductor rubber jacketed cable and heavy duty (16/3) NEMA twist-lock plug, along with die-cast hook with locking screw. 20A standard.

**When specified with BL, LQ1 or LQ2**, unit is pre-wired with 5-conductor rubber jacketed cable and heavy duty (16/5) NEMA twist-lock plug (L2320P), along with die-cast hook with locking screw. 20A standard.

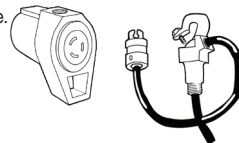


- ☐ **H4-HCP-L(Y)20P\*** Pendant Power Hook, 3-Wire (300V) with HCP  
(Y) = 3-Wire NEMA voltage code:  
5=120V, 6=208/240V, 7=277V, 8=480V

- ☐ **H4-HCP-L2320P\*** Pendant Power Hook, 5-Wire (600V) with HCP

Pendant Mounted Power Hook with NEMA receptacle. Unit is pre-wired with Hook, Cord and Plug.

**When specified with BL, LQ1 or LQ2**, Pendant Mounted Power Hook has an L2320R NEMA receptacle. (5-wire)

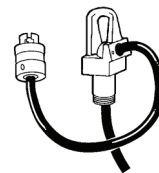


- ☐ **LCP-(X)C-L(Y)20P\*** Loop, Cord and Plug, 3-Wire  
(X) = Cord length in feet  
(Y) = 3-Wire NEMA voltage code:  
5=120V, 6=208/240V, 7=277V, 8=480V

- ☐ **LCP-(X)C-L2320P\*** Loop, Cord and Plug, 5-Wire  
(X) = Cord length in feet: 3, 6 or 10

Unit is pre-wired with 3-conductor rubber jacketed cable and heavy duty (16/3) NEMA twist-lock plug, with die-cast loop. 20A standard.

**When specified with BL, LQ1 or LQ2**, unit is pre-wired with 5-conductor rubber jacketed cable and heavy duty (16/5) NEMA twist-lock plug (L2320P), with die-cast loop. 20A standard.

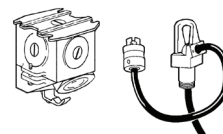


- ☐ **H5-LCP-L(Y)20P\*** Power Hook, 3-Wire (300V) with LCP  
(Y) = 3-Wire NEMA voltage code:  
5=120V, 6=208/240V, 7=277V, 8=480V

- ☐ **H5-LCP-L2320P\*** Power Hook, 5-Wire (600V) with LCP

Power Hook with thru-wire provision contains a NEMA receptacle. Unit is prewired with Loop, Cord and Plug.

**When specified with BL, LQ1 or LQ2**, Power Hook has an L2320R NEMA receptacle (5-wire).



- ☐ **UPH-LCMP\*** Universal Power Hook

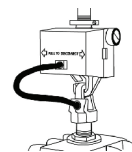
- ☐ **UPH-LCMP-WL** Universal Power Hook, Wet Location Listed  
(includes special gasketing, suitable for Wet Locations)

*Note: If ordering QV ballast, voltage must be specified. (3-wire only)*

3-wire universal power hook module with thru-wire provisions. UL listed as a primary load break device.

**To maintain Wet Location Listing, specify UPH-LCMP-WL (as required).**

**Note: Not available with Bi-Level option.**



- ☐ **TWB-EDP\*** Thru-wire box, 3-wire with disconnect

- ☐ **TWB-EDP-WL** Thru-wire box, 3-wire w/disconnect, Wet Location Listed  
(includes special gasketing, suitable for Wet Locations)

- ☐ **TWB-ED5P\*** Thru-wire box, 5-wire with disconnect

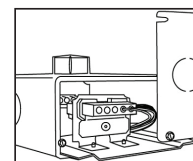
- ☐ **TWB-ED5P-WL** Thru-wire box, 5-wire w/disconnect, Wet Location Listed  
(includes special gasketing, suitable for Wet Locations)

*Note: If ordering QV ballast, voltage must be specified.*

Thru-wire box provides disconnect capability. UL listed as a primary load break device.

5-wire version required if specified in conjunction with BL, LQ1 or LQ2 option.

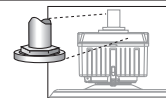
**To maintain Wet Location Listing, specify TWB-EDP-WL or TWB-ED5P-WL (as required).**



- ☐ **NH** Nut & Hub

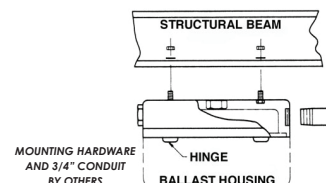
*Note: Fixture is constructed to IP54.*

Cast aluminum nut and hub for quick, positive mounting to 3/4" NPT or NPSM conduit.



- ☐ **TW** Thru-Wire Ballast

Top thru-wire mounting. Top mounting plate of ballast is modified allowing surface mount for thruway wiring. Two 3/4" NPT threaded conduit entries allow connections to be performed without the need for a separate outlet box.



- ☐ **50HZ** 50 Hz ballast operation  
*Consult factory.*

Specified for applications (outside the U.S. where 50 Hertz operation is standard..

- ☐ **WHT-EPXY-CTD** White Epoxy coated

Durable coating offers protection against mildly acidic or alkaline conditions.

# ILXCB Series

## IL Xtreme Industrial Comfort Bay, 175-450 watt HID

### Accessories (Field Installed - Shipped Separately)

#### ballast fusing accessories

☐ **F1-Kit** Single Fuse Kit, 120 / 277V

☐ **F2-Kit** Double Fuse Kit, 208 / 240 / 480V

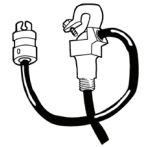
#### alternate mounting accessories

**Note:** \* Units installed with HCP, LCP, H4, H5, TWB, HM or LM accessories are not Wet Location Listed.

☐ **HCP-(X)C-L(Y)20P\*** Hook, Cord and Plug, 3-Wire  
(X) = Cord length in feet  
(Y) = 3-Wire NEMA voltage code:  
5=120V, 6=208/240V, 7=277V, 8=480V

3-conductor rubber jacketed cable and heavy duty (16/3) NEMA twist-lock plug as specified, with die-cast hook with locking screw. 20A standard. (3-wire)

**When specified for a unit with BL, LQ1 or LQ2,** the 5-conductor rubber jacketed cable and heavy duty (16/5) NEMA twist-lock plug (L2320P), along with die-cast hook with locking screw is required. 20A standard. (5-wire)



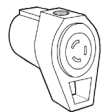
☐ **HCP-(X)C-L2320P\*** Hook, Cord and Plug, 5-Wire  
(X) = Cord length in feet

☐ **H4\*** Pendant Power Hook, 3-Wire

H4 Pendant Mounted Power Hook (3-wire) with L9-20R NEMA receptacle.

**When specified for a unit with BL, LQ1 or LQ2,** the 5-wire version with an L2320R NEMA receptacle (H4-5W) is required.

Used with corresponding Hook, Cord and Plug.

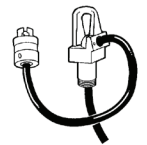


☐ **H4-5W\*** Pendant Power Hook, 5-Wire

☐ **LCP-(X)C-L(Y)20P\*** Loop, Cord and Plug, 3-Wire  
(X) = Cord length in feet  
(Y) = 3-Wire NEMA voltage code:  
5=120V, 6=208/240V, 7=277V, 8=480V

3-conductor rubber jacketed cable and heavy duty (16/3) NEMA twist-lock plug, with die-cast loop. 20A standard. (3-wire)

**When specified for a unit with BL, LQ1 or LQ2,** the 5-conductor rubber jacketed cable and heavy duty (16/5) NEMA twist-lock plug (L2320P), along with die-cast loop is required. 20A standard. (5-wire)



☐ **LCP-(X)C-L2320P\*** Loop, Cord and Plug, 5-Wire  
(X) = Cord length in feet

☐ **H5\*** Power Hook with thru-wire provision, 3-Wire

H5 Power Hook (3-wire) with thru-wire provision contains a L9-20R NEMA receptacle.

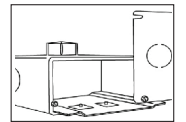
☐ **H5-5W\*** Power Hook with thru-wire provision, 5-Wire

**When specified for a unit with BL, LQ1 or LQ2,** the 5-wire version with an L2320R NEMA receptacle (H5-5W) is required.

Used with corresponding Loop, Cord and Plug.



☐ **TWB\*** Thru-wire box



#### mounting extras

☐ **HM\***  
Hook  
Male



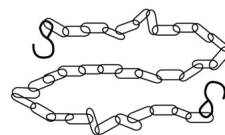
☐ **JA75** Joint Aligner  
50 lb. maximum allowed.



☐ **BRC(X)-ILX**

**Note: Unit is not Sanitation Listed with this accessory.**

Ballast Retainer Chain  
(X) = Chain length in feet:  
3, 5, 7, or 10



ORC  
Optical  
Retainer  
Cable  
(Standard)



☐ **LM\***  
Loop  
Male



☐ **SH75** Swivel Hanger  
50 lb. maximum allowed if hung from junction box.



☐ **WG-PF/ILX-CB** Wireguard

Provides protection of the lens.  
Recommended for use in gymnasiums and similar facilities.



**Note: Unit with wireguard installed is not Sanitation Listed.**

# **ILXCB Series**

## **IL Xtreme Industrial Comfort Bay, 175-450 watt HID**

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Notes



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SP031A0513

Philips Lighting Company  
200 Franklin Square Drive  
Somerset, NJ 08873  
Phone: 855-486-2216

Philips Lighting Company  
281 Hillmount Road  
Markham ON, Canada L6C 2S3  
Phone: 800-668-9008