

Type No. _____

Catalog No. _____

Job. Name _____

ILXHHB CosmoPolis / MasterColor Elite

HID Series

IL Xtreme Hydroformed High Bay, 60-315 watt

APPLICATIONS

- Applications include industrial facilities, manufacturing plants, foundries and forges, and gymnasiums

CONSTRUCTION

- Ballast housing has an Ultra-Clad polyester powder coating, electrostatically applied and oven cured. Hinged and gasketed lens frame assembly allows convenient lamp access from below while ensuring a Dust-Tite optical assembly. Standard unit constructed to IP65.

OPTICS

- The IL Xtreme CosmoPolis and MasterColor Elite HID Hydro-formed High Bay has a modular optical assembly with integrally cast hinge and electrical disconnect. One-piece reflector is of heavy gauge (.063) hydro-formed aluminum. Die-cast aluminum lens frame is gasketed to seal the reflector system and provide a dust-tight enclosure. CosmoPolis and MasterColor Elite systems are available in enclosed units only. Clear tempered glass lens is standard. Teflon over glass lens may also be specified.

ELECTRICAL

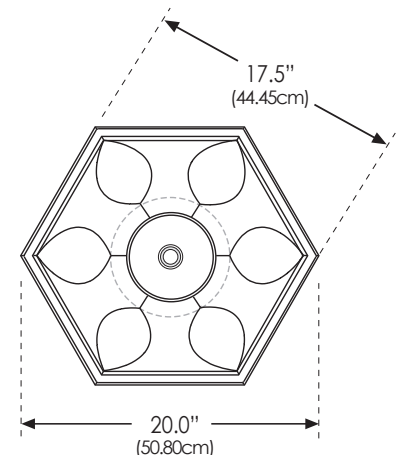
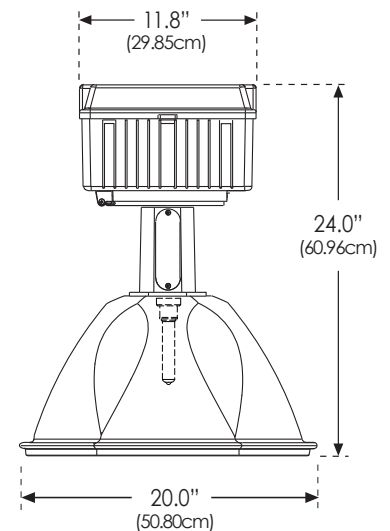
- The digitally microprocessor-controlled ignitor in the ballast gear virtually eliminates lamp electrode wear and arc tube wall blackening. ILX CosmoPolis and MasterColor Elite ballasts have an extremely long, 60,000 hour life, 50/60 Hz. Both ballasts include built-in end of life and overheating protections as well as open and short circuit lamp protections. CosmoPolis (60W / 90W / 140W) systems are suitable for operation in an ambient temperature range of -20°C (-4°F) to 30°C (86°F). MasterColor Elite (210W / 315W) systems are suitable for operation in an ambient temperature range of -30°C (-22°F) to 40°C (104°F). The BL option provides bi-level (Hi / Low) dimming to 50% power. The AD option provides analog (full range) dimming to 50% power. Available for MasterColor Elite 210W and 315W units only.

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.

WARRANTY/LISTINGS

- Standard 5 Year Limited Warranty. ETL/cETL Listed luminaire to the UL standard, UL 1598, suitable for Wet Locations. The quality systems of this facility have been registered by UL to the ISO 9000 Series Standards.



See Page 2 for Ordering Information


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Notes

- 1) Philips CosmoPolis lighting system: 60W, 90W or 140W lamp with Advance CosmoPolis ballast.
- 2) Philips MasterColor Elite lighting system: 210W or 315W lamp with Advance e-Vision ballast.
- 3) Photometry available online. IES file names reflect catalog logic.
- 4) 60W-140W CosmoPolis lamps: Single ended tubular (T6 clear) white with a PGZ12 lamp base and holder. Color Rendering: CRI = 70. Color Temperature: CCT = 2800K.
210-315W CDM Elite MW lamps: (T9 clear) with a PGZ18 lamp base and socket. Color Rendering: CRI = 90. Color Temperature: CCT = 3000K.

Series/Source-Wattage	Optics	E ballast Voltage - Optional Dimming	Socket Setting
Pulse Start Metal Halide CosmoPolis system ⁽¹⁾ <input type="checkbox"/> ILXP-60 60W CosmoPolis <input type="checkbox"/> ILXP-90 90W CosmoPolis <input type="checkbox"/> ILXP-140 140W CosmoPolis MasterColor Elite system ⁽²⁾ <input type="checkbox"/> ILXP-210 210W MasterColor Elite <input type="checkbox"/> ILXP-315 315W MasterColor Elite 	Reflector / Lens <input type="checkbox"/> HDG Hydroformed Diffuse reflector / Clear glass lens <input type="checkbox"/> HDTG Hydroformed Diffuse reflector / Teflon over Clear glass lens	Standard non-dimming electronic ballast voltage <input type="checkbox"/> 208E <input type="checkbox"/> 240E <input type="checkbox"/> 277E 60 / 90 / 140W Advance CosmoPolis system ballast (wattage specific) 210 / 315W Advance e-Vision system ballast (for 210 and 315 watt systems) <hr/> Optional Dimming Ballast: <i>Available for 210W and 315W units only. Requires 0-10V low voltage wiring.</i> <i>Leave blank to specify standard non-dimming ballast.</i> <input type="checkbox"/> BL Bi-Level (Hi / Low) dimming to 50% power <input type="checkbox"/> AD Analog (full range 0-50) dimming to 50% power	<input type="checkbox"/> 7 <input type="checkbox"/> 9

Distribution Guide and Ballast Data ⁽³⁾

Wattage	Available Optics	SP/MH Socket Setting		Lamp / Socket ⁽⁴⁾	Ballast	Initial Lamp Lumens	Lumens per Watt	Rated Life (hrs)	Line Current 208 / 240 / 277	Line Watts
		7	9							
PSMH 60	HDG HDTG	1.3	1.7	CPO-TW 60W/728 PGZ12 socket	ICW60NLS	6,850	114	18,000	0.32 / 0.28 / 0.24	67
PSMH 90	HDG HDTG	1.3	1.7	CPO-TW 90W/728 PGZ12 socket	ICW90MLS	10,450	116	20,000	0.47 / 0.41 / 0.35	99
PSMH 140	HDG HDTG	1.3	1.7	CPO-TW 140W/728 PGZ12 socket	ICW140MLS	16,500	118	20,000	0.75 / 0.67 / 0.57	153
PSMH 210	HDG HDTG	1.3	1.7	CDM Elite MW 210/T9/930/U/E PGZ18 socket	IZMH210315RLF	24,150	115	20,000	1.20 / 1.00 / 0.82	229
PSMH 315	HDG HDTG	1.3	1.7	CDM Elite MW 315/T9/930/U/E PGZ18 socket	IZMH210315RLF	37,800	120	20,000	1.80 / 1.54 / 1.30	343

ILXHHB CosmoPolis / MasterColor Elite HID Series

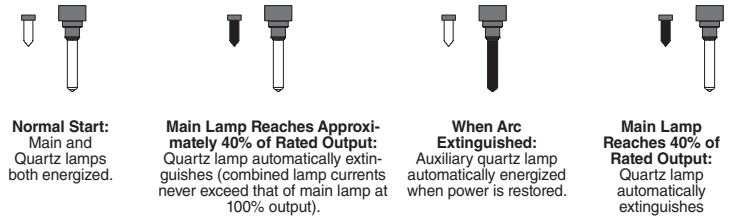
IL Xtreme Hydroformed High Bay, 60-315 watt

Options (factory installed)

Auxiliary / Emergency Lighting

- ☐ **CSR** *Hot Quartz Restrike using Current Sensing Relay*
Extinguishes auxiliary lamp when main arc strikes.
- ☐ **LQ1** *Separately Wired (120V)*
Hot / Cold Quartz Restrike
Externally controlled emergency lighting from a separate power source. To ensure integrity of the emergency lighting system, LQ1 leads should be hardwired. Suitability of specifying emergency lighting (LQ1) with (5-wire) cord and plug is the determination of the user.)

LiteMatic Operation



Ballast Fusing

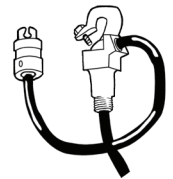
- ☐ **F1** *Single Fuse, 277V*
- ☐ **F2** *Double Fuse, 208 / 240V*

Alternate Mounting

- ☐ **HCP-(X)C-L(Y)20P** *Hook, Cord and Plug, 3-Wire*
(X) = Cord length in feet: 3, 6 or 10
(Y) = 3-Wire NEMA voltage code: 6=208/240V, 7=277V
- ☐ **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.

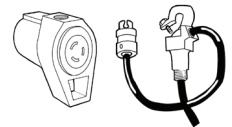
When specified with LQ1, unit is pre-wired with 5-conductor rubber jacketed cable and heavy duty (16/5) NEMA twist-lock plug (L2320P), along with die-cast hook with locking screw. 20A standard.



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

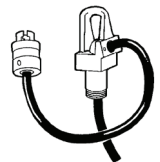
When specified with LQ1, Pendant Mounted Power Hook has an L2320R NEMA receptacle.



- ☐ **LCP-(X)C-L(Y)20P** *Loop, Cord and Plug, 3-Wire*
(X) = Cord length in feet: 3, 6 or 10
(Y) = 3-Wire NEMA voltage code: 6=208/240V, 7=277V
- ☐ **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.

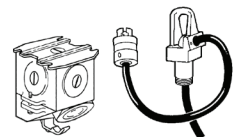
When specified with LQ1, unit is pre-wired with 5-conductor rubber jacketed cable and heavy duty (16/5) NEMA twist-lock plug (L2320P), with die-cast loop. 20A standard.



- ☐ **H5-LCP-L(Y)20P** *Power Hook, 3-Wire (300V) with LCP*
(Y) = 3-Wire NEMA voltage code: 6=208/240V, 7=277V
- ☐ **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 LQ1, 5-Wire version is required.



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Accessories (Field Installed - Shipped Separately)

Ballast Fusing

☐ **F1-Kit** Single Fuse, 277V

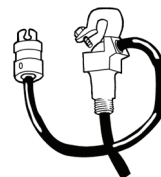
☐ **F2-Kit** Double Fuse, 208 / 240V

Alternate Mounting

- ☐ **HCP-(X)C-L(Y)20P** Hook, Cord and Plug, 3-Wire
(X) = Cord length in feet: 3, 6 or 10
(Y) = 3-Wire NEMA voltage code: 6=208/240V, 7=277V
- ☐ **HCP-(X)C-L2320P** Hook, Cord and Plug, 5-Wire
(X) = Cord length in feet: 3, 6 or 10

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.

When specified for unit equipped with LQ1, 5-conductor rubber jacketed cable is required, which is wired to a heavy duty (16/5) NEMA twist-lock plug (L2320P), with die-cast hook with locking screw. 20A standard.



☐ **H4** Pendant Power Hook, 3-Wire

Pendant Mounted Power Hook with NEMA receptacle as specified. Used with corresponding Hook, Cord and Plug.

When specified for unit equipped with LQ1, 5-wire version is required.

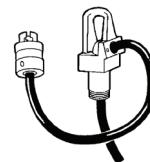


☐ **H4-5W** Pendant Power Hook, 5-Wire

- ☐ **LCP-(X)C-L(Y)20P** Loop, Cord and Plug, 3-Wire
(X) = Cord length in feet: 3, 6 or 10
(Y) = 3-Wire NEMA voltage code: 6=208/240V, 7=277V

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

When specified for unit equipped with LQ1, 5-conductor rubber jacketed cable is required, which is wired to a heavy duty (16/5) NEMA twist-lock plug (L2320P), with die-cast loop. 20A standard.

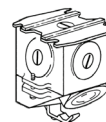


- ☐ **LCP-(X)C-L2320P** Loop, Cord and Plug, 5-Wire
(X) = Cord length in feet: 3, 6 or 10

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

Power Hook with thru-wire provision contains a NEMA receptacle. Used with corresponding Loop, Cord and Plug.

When specified for unit equipped with LQ1, 5-Wire version is required.



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

Mounting Extras

☐ **HM**

Hook Male



☐ **LM**

Loop Male



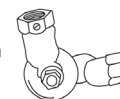
☐ **JA75** Joint Aligner

50 lb. maximum allowed.



☐ **SH75** Swivel Hanger

50 lb. maximum allowed if hung from junction box.



Notes



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