

Type No. _____

Catalog No. _____

Job. Name _____

ILXLB MasterColor Elite Series

IL Xtreme Low Bay, 210-315W HID

APPLICATIONS

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

CONSTRUCTION

- Ballast housing has a white UltraClad polyester powder coating, electrostatically applied and oven cured. The relamp opening at the top of the reflector is effectively sealed with a high temperature gasket and high compression latch. Standard safety cable between optical/ballast assembly allows secure relamping. Standard unit constructed to IP65.

OPTICS

- The ILX MasterColor Elite HID Low Bay has a 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 a 22" or a 28" diameter size. The hinged 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.

ELECTRICAL

- The digitally microprocessor-controlled ignitor in the Master Color Elite ballast gear virtually eliminates lamp electrode wear and arc tube wall blackening. ILX MasterColor Elite ballasts have a 60,000 hour life and include built-in end of life and over heating protections as well as open and short circuit lamp protections. 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.

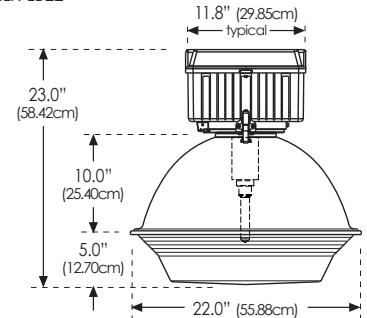
MOUNTING

- 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.

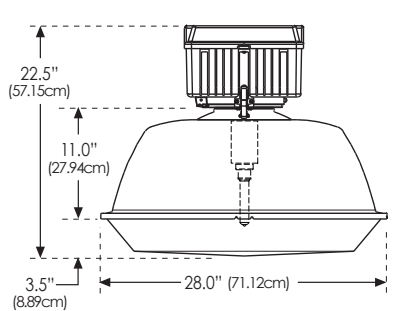
WARRANTY/LISTINGS

- 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 9001 Series Standards.

ILX-LB22



ILX-LB28



Weight

55 lbs. (24.95 kgs)

See Page 2 for Ordering Information

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ILX-LB22




ILXLB
MasterColor Elite
series
LB22 optics

ILX-LB28



ILXLB
MasterColor Elite
series
LB28 optics

Series/Source-Wattage	Optics	E ballast Voltage - Optional Dimming	Options
Pulse Start Metal Halide MasterColor Elite system ¹ <i>Requires open rated lamps.</i> <input type="checkbox"/> ILXP-210 210W MasterColor Elite <input type="checkbox"/> ILXP-315 315W MasterColor Elite 	Reflector / Refractive Lens Assembly <input type="checkbox"/> LB22 22" Low Bay reflector system with permanently sealed prismatic refractive lens <input type="checkbox"/> LB28 28" Low Bay reflector system with permanently sealed prismatic refractive lens	Voltage: <input type="checkbox"/> 208E <input type="checkbox"/> 240E <input type="checkbox"/> 277E Electronic ballast (standard) 210 / 315W Advance e-Vision system ballast Optional Dimming: <i>Requires 0-10V low voltage wiring.</i> <i>Leave blank to specify standard non-dimming ballast.</i> <input type="checkbox"/> BL Bi-Level dimming (Hi / Low) to 50% power <input type="checkbox"/> AD Analog dimming (full range 0-50) to 50% power	<input type="checkbox"/> F1 Single Fuse (277V) <input type="checkbox"/> F2 Double Fuse (208/240V) <input type="checkbox"/> CSR Hot Quartz Restrike <input type="checkbox"/> LQ1 Separately Wired (120V) Quartz Restrike <input type="checkbox"/> HCP-(X)C-L(Y)20P ² Hook, Cord & Plug, 3-Wire (X) = Cord length in feet: 3, 6 or 10 (Y) = 3-Wire NEMA voltage code: 6 = 208/240V, 7 = 277V <input type="checkbox"/> H4-HCP-L(Y)20P ² Pendant Power Hook, 3-Wire with HCP (Y) = 3-Wire NEMA voltage code: 6 = 208/240V, 7 = 277V <input type="checkbox"/> LCP-(X)C-L(Y)20P ² Loop, Cord & Plug, 3-Wire (X) = Cord length in feet: 3, 6 or 10 (Y) = 3-Wire NEMA voltage code: 6 = 208/240V, 7 = 277V <input type="checkbox"/> H5-LCP-L(Y)20P ² Power Hook, 3-Wire with LCP (Y) = 3-Wire NEMA voltage code: 6 = 208/240V, 7 = 277V

Accessories (Ordered Separately)

<input type="checkbox"/> F1 KIT Single Fuse Kit (277V) <input type="checkbox"/> F2 KIT Double Fuse Kit (208/240V)	<input type="checkbox"/> HCP-(X)C-L(Y)20P ² Hook, Cord & Plug, 3-Wire (X) = Cord length in feet: 3, 6 or 10 (Y) = 3-Wire NEMA voltage code: 6 = 208/240V, 7 = 277V <input type="checkbox"/> H4 ² Pendant Power Hook, 3-Wire <input type="checkbox"/> LCP-(X)C-L(Y)20P ² Loop, Cord & Plug, 3-Wire (X) = Cord length in feet: 3, 6 or 10 (Y) = 3-Wire NEMA voltage code: 6 = 208/240V, 7 = 277V <input type="checkbox"/> H5 ² Power Hook (with thru-wire provision), 3-Wire	<input type="checkbox"/> HM ² Male Hook <input type="checkbox"/> LM ² Male Loop <input type="checkbox"/> JA75 Joint Aligner <input type="checkbox"/> SH75 Swivel Hanger <input type="checkbox"/> BRC(X)-PF Ballast Retainer Chain (X) = Chain length in feet: 3, 5, 7, or 10 <input type="checkbox"/> WG-PF/ILX-LB22/LB3 Wireguard for 22" unit <input type="checkbox"/> WG-PF/ILX-LB28 Wireguard for 28" unit
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Notes

- 1) Philips MasterColor Elite lighting system: 210W or 315W lamp with Advance e-Vision ballast.
- 2) Unit is not Wet Location listed with these options and accessories..

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Distribution Guide & Ballast Data ¹

Wattage	Available Optics	Lamp / Socket ²	Ballast	Initial Lamp Lumens	Lumens per Watt	Rated Life (hrs)	Line Current 208 / 240 / 277	Line Watts
PSMH 210	LB22 LB28	CDM Elite MW 210/T9/930/U/O open rated lamp PGZ18 socket	IZTMH210315RLF	23,100	110	20,000	1.20 / 1.00 / 0.82	227
PSMH 315	LB22 LB28	CDM Elite MW 315/T9/930/U/O open rated lamp PGZ18 socket	IZTMH210315RLF	36,200	115	20,000	1.80 / 1.54 / 1.30	341

Notes

1) Photometry available online. IES file names reflect catalog logic.

2) 210W / 315W CDM Elite MW open rated lamps: (T9 clear) with a PGZ18 lamp base and socket. Color Rendering: CRI = 90. Color Temperature: CCT = 3000K.

To specify 4200K open rated lamps:

210W: CDM Elite MW 210/T9/942/U/O (rated life is 20,000 hours)

315W: CDM Elite MW 315/T9/942/U/O (rated life is 20,000 hours)

Option details (Factory Installed)

Ballast Fusing

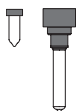
Voltage must be specified.

F1 Single Fuse, 277V

F2 Double Fuse, 208 / 240V

Auxiliary / Emergency Lighting

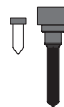
CSR Hot Quartz Restrike using Current Sensing Relay (without time delay)



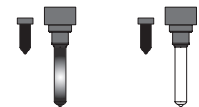
Extinguishes auxiliary quartz lamp when arc of the main MasterColor Elite HID lamp strikes.

Activation: At (initial) Cold Start or Restrike (after a momentary "Brown Out" or extended "Black Out" power interruption), through Run Down.

CSR Auxiliary Quartz Operation

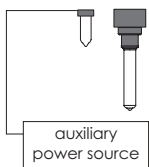


Normal Start:
Quartz lamp energized until main MasterColor Elite HID lamp strikes.



MasterColor Elite Lamp Reaches Full Brightness:
Auxiliary quartz lamp automatically extinguished when main MasterColor Elite HID lamp strikes. (Takes approximately 30 seconds to reach full brightness.)

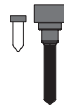
LQ1 Separately Wired (120V) Hot / Cold Quartz Restrike



Externally controlled emergency lighting from a separate power source.
Quartz lamp is extinguished once power is restored.

To ensure integrity of the emergency lighting system, LQ1 leads should be hardwired.

LQ1 Emergency LiteMatic Operation



At AC Power Interruption:
During AC line voltage power interruption, auxiliary quartz lamp is automatically energized by separately wired power source.



Once Power is Restored, Quartz Lamp Automatically Extinguishes:
Used specifically for emergency lighting during "Black Out" periods, or times of extended power interruption. (Takes approximately 30 seconds for MasterColor Elite HID lamp to reach full brightness.)

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Alternate Mounting Options

Note: Units intended for use with HCP, H4, LCP or H5 options or accessories are not suitable for Wet Locations.

HCP-(X)C-L(Y)20P

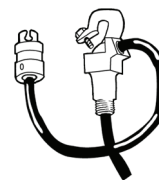
Hook, Cord and Plug, 3-Wire

(X) = Cord length in feet: 3, 6 or 10
(Y) = 3-Wire NEMA voltage code: 6 = 208/240V, 7 = 277V

Note: Wet Location Listing is not available for units installed with HCP options or accessories.

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.



H4-HCP-L(Y)20P

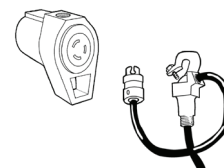
Pendant Power Hook, 3-Wire with HCP

(Y) = 3-Wire NEMA voltage code: 6 = 208/240V, 7 = 277V

Note: Wet Location Listing is not available for units installed with H4 options or accessories.

Pendant Mounted Power Hook with NEMA receptacle.

Unit is pre-wired with Hook, Cord and Plug.



LCP-(X)C-L(Y)20P

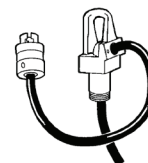
Loop, Cord and Plug, 3-Wire

(X) = Cord length in feet: 3, 6 or 10
(Y) = 3-Wire NEMA voltage code: 6 = 208/240V, 7 = 277V

Note: Wet Location Listing is not available for units installed with LCP options or accessories.

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

20A standard.



H5-LCP-L(Y)20P

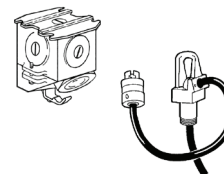
Power Hook, 3-Wire with LCP

(Y) = 3-Wire NEMA voltage code: 6 = 208/240V, 7 = 277V

Note: Wet Location Listing is not available for units installed with H5 options or accessories.

Power Hook with thru-wire provision contains a NEMA receptacle.

Unit is pre-wired with Loop, Cord and Plug.



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Accessory details (Field Installed - Shipped Separately)

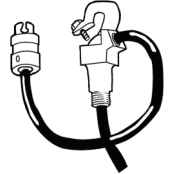
Ballast Fusing	F1 KIT	Single Fuse Kit (277V)
	F2 KIT	Double Fuse Kit (208/240V)

Alternate Mounting Accessories *Note: Units intended for use with HCP, H4, LCP or H5 options or accessories are not suitable for Wet Locations.*

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

Note: Wet Location Listing is not available for units installed with HCP options or accessories.

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.



H4	Pendant Power Hook, 3-Wire
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Note: Wet Location Listing is not available for units installed with H4 options or accessories.

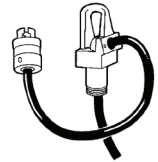
Pendant Mounted Power Hook with NEMA receptacle as specified. Used with corresponding Hook, Cord and Plug.



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

Note: Wet Location Listing is not available for units installed with LCP options or accessories.

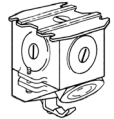
3-conductor rubber jacketed cable and heavy duty (16/3) NEMA twist-lock plug as specified, with die-cast loop. 20A standard.



H5	Power Hook with thru-wire provision, 3-Wire
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Note: Wet Location Listing is not available for units installed with H5 options or accessories.

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



Additional Installation and Mounting Accessories

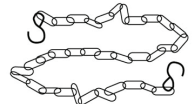
HM Male Hook
Wet Location Listing is not available.



JA75 Joint Aligner
50 lb. maximum allowed.



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



LM Male Loop
Wet Location Listing is not available.



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



ORC (standard Optic Retainer Cable)



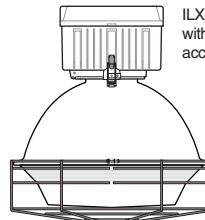
Lens Protection

WG-PF/ILX-LB22/LB3 Wireguard for 22" unit

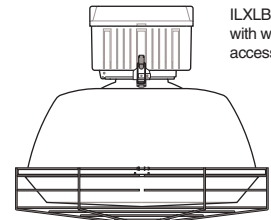
Provides protection for the lens.

WG-PF/ILX-LB28 Wireguard for 28" unit

Recommended for use in gymnasiums and similar facilities.



ILXLB22 unit with wireguard accessory.



ILXLB28 unit with wireguard accessory.

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IL Xtreme Low Bay, 210-315W HID

Notes



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SP042A0513

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