

Type No. _____

Catalog No. _____

Job. Name _____

ILXVA Series

IL Xtreme Vertic'Aisle Industrial Aisle Light, 175-1000 watt HID

APPLICATIONS

- Applications include warehouses and aisle lighting

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. Hinged and gasketed lens frame assembly allows convenient lamp access from below while ensuring a Dust-Tite optical assembly. 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. The optical assembly shall consist of an elliptical, computer designed, hydro-formed aluminum reflector with 2400 facets formulated to provide light distribution that is wide along the length of the aisle and narrow across the width of the aisle. Reflector is hydro-formed of high-grade specular aluminum with an anodized finish. Tempered glass is standard or when lamp manufacturer's data recommends "use in suitably enclosed fixture." Patented 5 mil FEP Teflon over Glass lens is optional (transmits 5% more light than clear glass.) Units with Teflon lens alone are not recommended.

ELECTRICAL

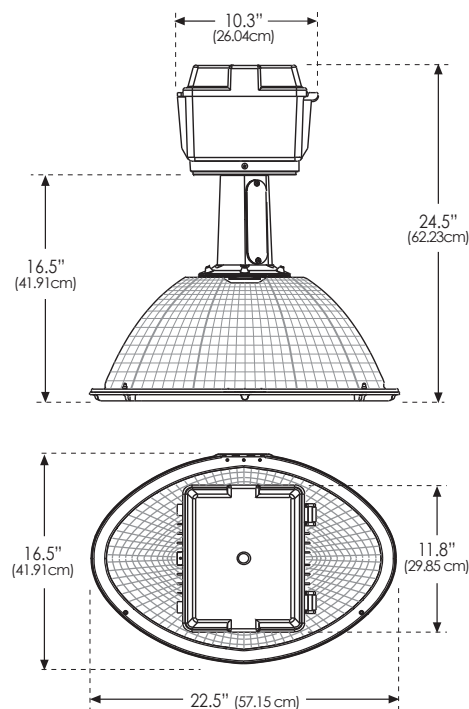
- SilentGuard high power factor ballast with reliable starting to -29°C (-20°F) for Metal Halide, -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium. A solid polyester resin compound encapsulates the core and coil assembly to isolate vibration, suppress sound, dissipate 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.

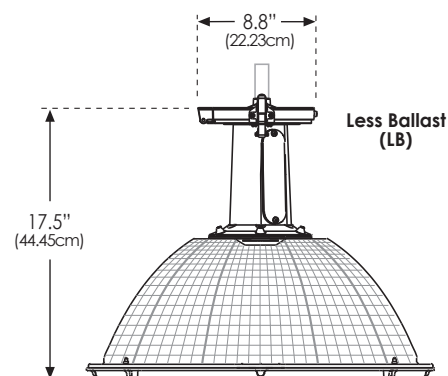
WARRANTY/LISTINGS

- Standard 5 Year Limited Warranty. ETL/cETL Listed luminaire, to the UL 1598 standard, suitable for wet locations. Standard unit suitable for use in ambient not exceeding 55°C (131°F). With 65 option, unit is suitable for use in ambient not exceeding 65°C (149°F). NSF Sanitation Listing available.
- Hazardous Location Listing Option: UL Listed for HID Units only, UL 844, in 40°C (104°F) max ambient.
- Note: Suitability for Use is the Determination of the Specifier.
- The quality system of this facility have been Registered by UL to the ISO 9001 Series Standards.



Installation Note:

To achieve optimum ceiling-to-floor illumination in a typical warehouse installation, Vertic'Aisle's longer axis (22.5") should span the Aisle.



See Page 2 for Ordering Information

ILXVA Series

IL Xtreme Vertic'Aisle Industrial Aisle Light, 175-1000 watt HID

ILX
Vertic'Aisle



Series / Source - Wattage ⁽¹⁾	Optics (reflector and lens)	Voltage
Metal Halide <input type="checkbox"/> ILXM-1000 Pulse Start Metal Halide <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"/> ILXP-750 <input type="checkbox"/> ILXP-875 <input type="checkbox"/> ILXP-1000 PSMH w/Pulse Reg Magnetic Ballast ⁽²⁾ <input type="checkbox"/> ILXR-175 <input type="checkbox"/> ILXR-250 <input type="checkbox"/> ILXR-400 <input type="checkbox"/> ILXR-450 ⁽³⁾ High Pressure Sodium <input type="checkbox"/> ILXS-250 <input type="checkbox"/> ILXS-400	<input type="checkbox"/> VAE Vertic'Aisle (Enclosed) with tempered Glass lens (standard) <input type="checkbox"/> VAETG Vertic'Aisle (Enclosed) with Teflon over tempered Glass lens	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 480 <input type="checkbox"/> QV <i>Quad voltage ballast. Allows field selection of 120/208/240/277 voltage.</i>



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

(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.

Distribution Guide and Ballast Data ⁽¹⁾

Source Type ⁽²⁾	Catalog Number	Lamp Envelope ⁽³⁾	Reflector/Distribution Spacing Criteria ⁽⁴⁾	.ies File Name	Ballast Type ⁽⁵⁾	ANSI Code	Line Current 120/208/240/277/480	Line Watts	LER ⁽⁶⁾
MH	ILXM-1000	BT / ED37 Clear	1.5	vaem10.ies	CWA	M47 / H36	9.2 / 5.6 / 4.7 / 4.1 / 2.4	1080	80
PS	ILXP-175	BT / ED28	2.0	vaep17.ies	CWA	M137 / M152	2.0 / 1.1 / 0.9 / 0.8 / 0.5	220	63
	ILXP-200	BT / ED28	2.0	vaep20.ies	CWA	M136	2.2 / 1.3 / 1.1 / 1.0 / 0.5	240	63
	ILXP-250	BT / ED28	2.0	vaep25.ies	CWA	M138 / M153	2.8 / 1.5 / 1.3 / 1.2 / 0.6	298	63
	ILXP-320	BT / ED28	2.0	vaep32.ies	CWA	M131	3.3 / 1.9 / 1.7 / 1.4 / 0.8	368	67
	ILXP-350	BT / ED37	2.0	vaep35.ies	CWA	M132 / M154	3.7 / 2.1 / 1.8 / 1.6 / 0.9	400	67
	ILXP-400	BT / ED37	2.0	vaep40.ies	CWA	M135 / M155	4.0 / 2.2 / 1.9 / 1.8 / 1.0	456	76
	ILXP-450	BT / ED37	2.0	vaep45.ies	CWA	M144	4.4 / 2.6 / 2.2 / 1.9 / 1.1	514	76
	ILXP-750	BT37	2.0	vaep75.ies	CWA	M149	7.0 / 4.0 / 3.5 / 3.0 / 1.7	820	74
	ILXP-1000	BT / ED37 Clear	1.5	vaep10.ies	CWA	M141	9.0 / 5.2 / 4.5 / 3.9 / 2.4	1080	80
PS(R)	ILXR-175	BT / ED28	2.0	vaep17.ies	ILXR	M137 / M152	2.0 / N/A / N/A / 0.9 / 0.5	220	58
	ILXR-250	BT / ED28	2.0	vaep25.ies	ILXR	M138 / M153	2.8 / N/A / 1.4 / 1.2 / 0.7	298	58
	ILXR-400	BT / ED37	2.0	vaep40.ies	ILXR	M135 / M155	4.0 / 2.3 / 2.0 / 1.7 / 1.0	465	68
	ILXR-450	BT / ED37	2.0	vaep45.ies	ILXR	M144	N/A / N/A / N/A / 2.0 / N/A	530	68
HPS	ILXS-250	BT / ED28	2.0	vaes25.ies	CWA	S50	2.7 / 1.6 / 1.3 / 1.2 / 0.7	310	60
	ILXS-400	BT / ED37	2.0	vaes40.ies	CWA	S51	4.1 / 2.5 / 2.1 / 1.9 / 1.1	467	78

Distribution Guide and Ballast Data Notes:

(1) The ILXtreme Vertic'Aisle accommodates a variety of other wattages and lamps. Please consult factory with specific requirements. Consult factory for 875 watt PSMH data.

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

(3) Phosphor coated lamps recommended to provide optimum uniformity.

(4) Along the aisle

(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.

www.philips.com/luminaires

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.

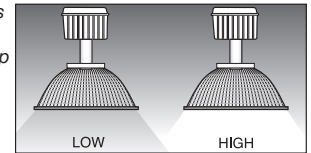
Dimming options for standard core and coil HID ballasts

- ☐ 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

Not Approved with HAZ (hazardous location listing) option.

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.

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.

☐ HAZ Hazardous Location Listing

All HID wattages suitable for:
Class I, Division 2, Groups A, B, C and D;
Class I, Zone 2, AEx nA.

175-400 watt HID units also suitable for:
Class II, Division 2, Groups F and G;
Class III.

Wattage and temperature limits apply.

Suitable Operating Temp. in °C and
Operating Temp. Code (T rating) shown.

Suitability for use is the determination of the specifier.
Consult file: ILX HAZ 844 10-04.

Catalog No.	Class I, Div. 2, Groups A, B, C, D	Class II, Div. 2, Groups F, G	Class III	Class I, Zone 2, AEx nA
ILXM-1000	450°C (T1)	NA	NA	450°C (T1)
ILXP-1000	450°C (T1)	NA	NA	450°C (T1)
ILXP-750	450°C (T1)	NA	NA	450°C (T1)
ILXP-450	260°C (TB2)	135°C (T4)	135°C (T4)	300°C (T2)
ILXP-400	260°C (TB2)	135°C (T4)	135°C (T4)	300°C (T2)
ILXP-350	260°C (TB2)	135°C (T4)	135°C (T4)	300°C (T2)
ILXP-320	260°C (TB2)	135°C (T4)	135°C (T4)	300°C (T2)
ILXP-250	260°C (TB2)	135°C (T4)	135°C (T4)	300°C (T2)
ILXP-175	260°C (TB2)	135°C (T4)	135°C (T4)	300°C (T2)
ILXS-400	300°C (T2)	135°C (T4)	135°C (T4)	300°C (T2)
ILXS-250	300°C (T2)	135°C (T4)	135°C (T4)	300°C (T2)

Data based on 40°C ambient temperature. Supply wire suitable for 90°C.

Note: The classification of an area as to class, division and groups and the use of UL 844 listed luminaires in such areas is solely the judgement of the owner, insurance carrier and the authority having jurisdiction.

☐ F1 Single fuse (120V/277V)

1 or 2 internal fuse holders and 1 or 2 KTK 30 amp fuses.

☐ F2 Double fuse (208V/240V/480V) Note: If ordering QV ballast, voltage must be specified.

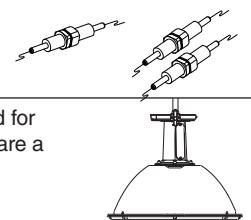
☐ LB Less ballast

Note: Less Ballast option is not available with 450-1000W HAZ units.

(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.



ILXVA Series

IL Xtreme Vertic'Aisle Industrial Aisle Light, 175-1000 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:

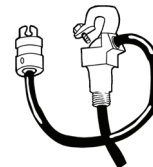
5=120V, 6=208/240V, 7=277V, 8=480V

- ☐ **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

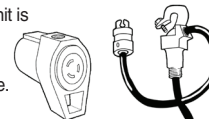
(Y) = 3-Wire NEMA voltage code:

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:

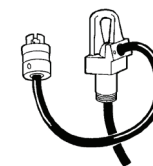
5=120V, 6=208/240V, 7=277V, 8=480V

- ☐ **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

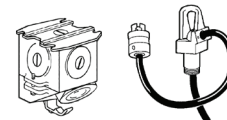
(Y) = 3-Wire NEMA voltage code:

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

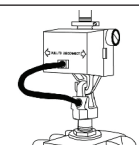
- ☐ **UPH-LCMP-WL** Universal Power Hook, Wet Location Listed
(includes special gasketing, suitable for Wet Locations)

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

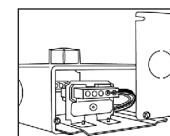
- ☐ **TWB-ED5P-WL** Thru-wire box, 5-wire w/disconnect, Wet Location Listed
(includes special gasketing, suitable for Wet Locations)

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.

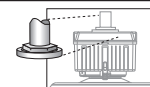
To maintain Wet Location Listing, specify TWB-EDP-WL or TWB-ED5P-WL (as required).



- ☐ **NH** Nut & Hub

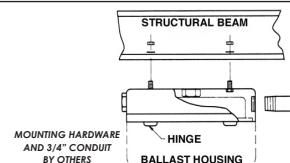
Note: Fixture is constructed to IP54.

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.



- ☐ **SL** Sanitation Listed **(required for NSF Listing)**

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

- ☐ **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.

- ☐ **65** 65°C (149°F) High Ambient Ballast

Specified for instances of typically higher ambient temperature operation.

- ☐ **50HZ** 50 Hz ballast operation

For applications (outside the U.S.) where 50 Hz operation is standard.

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

Durable coating offers protection against mildly acidic or alkaline conditions.

ILXVA Series

IL Xtreme Vertic'Aisle Industrial Aisle Light, 175-1000 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

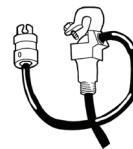
alternate mounting accessories

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

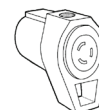
☐ **H4*** Pendant Power Hook, 3-Wire

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

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

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

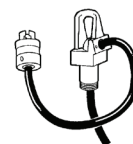
Used with corresponding Hook, Cord and Plug.



☐ **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

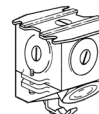
☐ **H5*** Power Hook with thru-wire provision, 3-Wire

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

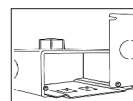
☐ **H5-5W*** Power Hook with thru-wire provision, 5-Wire

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



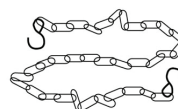
☐ **JA75** Joint Aligner
50 lb. maximum allowed.



☐ **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



☐ **SC4-ILX-H/P**

Optic Safety Cable



☐ **LM***
Loop Male



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



ILXVA Series

IL Xtreme Vertic'Aisle Industrial Aisle Light, 175-1000 watt HID

Notes



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