Type No	
Catalog No	
Job. Name	

ILXSB Series IL Xtreme Soft Bay, 175-450 watt HID

APPLICATIONS

· Applications include industrial facilities, manufacturing plants, retail applications, and gymnasiums.

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. 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. Standard unit constructed to IP65. Less Ballast
 option constructed to IP54. With Nut and Hub option, unit is constructed to IP54.

OPTICS

• The IL Xtreme Soft Bay features a modular optical assembly with integrally cast hinge and electrical disconnect. High performance UV stabilized acrylic prismatic reflective refractor optic assemblies are available in 22" and 25" diameters. The 22" optic assembly features a permanently sealed prismatic refractor, available with either a Conical or a Dropped refractive lens. The 25" optic assembly is available with the Dropped refractor only. Optics are enclosed by a cap finished in white UltraClad polyester powder coat, electrostatically applied and oven cured. The prismatic reflector provides high angle vertical footcandle values (@ 20% uplight) while maintaining low brightness lighting.

ELECTRICAL

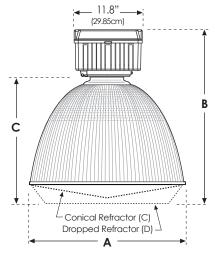
• SilentGuard high power factor ballast with reliable starting to -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium. A solid polyester resin compound encapsulates the core and coil assembly to isolate vibration, suppress sound, dissipate heat, provide protection from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

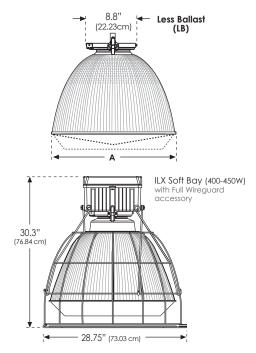
WARRANTY/LISTINGS

Standard 5 Year Limited Warranty. ETL/cETL Listed luminaire, to the UL 1598 standard, suitable
for wet locations. 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 9001 Series Standards.



	175	W - 250'	400W - 450W *			
	Α	В	С	Α	В	С
C22E	22.5"	25.3"	17.3"	22.5"	27.0"	19.0"
	(57.15cm)	(64.14cm)	(43.82cm)	(57.15cm)	(68.58cm)	(48.26cm)
D22E	22.5"	26.3"	18.3"	22.5"	28.0"	20.0"
	(57.15cm)	(66.68cm)	(46.36cm)	(57.15cm)	(71.12cm)	(50.80cm)
D25E	25.3"	26.8"	18.8"	25.3"	28.5"	20.5"
	(64.14cm)	(67.95cm)	(47.63cm)	(64.14cm)	(72.39cm)	(52.07cm)

* Consult Ambient Temperature Limits Chart for availability.



See Page 2 for Ordering Information



ILXSB Series

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ILXSB-C22E



Series / Source - Wattage (1)	Optics	Voltage
Pulse Start Metal Halide (2) □ ILXP-175 □ ILXP-200	C22E 22" Acrylic prismatic reflector with Conical	□ 120 □ 208
□ ILXP-250 □ ILXP-320	refractive lens D22E 22" Acrylic prismatic reflector	□ 240
☐ ILXP-350	with Drop refractive lens	☐ 277
☐ ILXP-450	☐ D25E 25" Acrylic prismatic reflector	QV Quad voltage ballast. Allows field selection
PSMH w/Pulse Reg Magnetic Ballast (2,3)	with Drop refractive lens	
☐ ILXR-250 ☐ ILXR-400	Ambient Temperature Limits	of 120/208 /240/277 voltage.
□ ILXR-450 (4)	25°C 40°C 55°C 25°C 40°C 25°C 40°C	
High Pressure Sodium	C22E √ √ √ √ na na na D22E √ √ √ √ √ √ na	
☐ ILXS-400	D25E ✓ ✓ ✓ ✓ ✓ ✓ ✓	

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

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

(2) Requires open rated lamps.

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

- ruse Heg Magnetic Ballast (W/Pulse Start Lamps) reature:
 a) 10:4 lamp wattage regulation (10% line voltage change = 4% lamp wattage equalitation (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.

Distribution Guide and Ballast Data (1)

Source Type ⁽²⁾	Catalog Number	Lamp (3) Envelope	Optic Assembly	Efficiency	% Uplight	SP/MH	.ies File Name ⁽⁴⁾	Ballast Type ⁽⁵⁾	ANSI Code	Line Current 120 / 208 / 240 / 277 / 480	Line Watts	LER ⁽⁶⁾
PS	ILXP-250	BT / ED28	C22E D22E	86% 92%	28% 22%	2.1 2	ap2522c.ies ap2522d.ies	CWA	M138 / M153	2.8 / 1.5 / 1.3 / 1.2 / 0.6	298	64 74
	ILXP-400	BT / ED37	D22E D25E	92% 92%	22% 23%	2 1.6	ap4022d.ies ap4025d.ies	CWA	M135 / M155	4.0 / 2.2 / 1.9 / 1.8 / 1.0	456	84 84
	ILXP-450	BT / ED37	C22E D22E D25E	86% 92% 92%	28% 22% 23%	2.1 2 1.6	ap4022c.ies ap4522d.ies ap4525d.ies	CWA	M144	4.4 / 2.6 / 2.2 / 1.9 / 1.1	514	79 84 84
PS(R)	ILXR-400	BT / ED37	C22E D22E D25E	86% 92% 92%	28% 22% 23%	2.1 2 1.6	ap4022c.ies ap4022d.ies ap4025d.ies	ILXR	M135 / M155	3.95/ 2.3 / 2.0 / 1.7 / 1.0	465	78 82 82
HPS	ILXS-250	E18	C22E D22E	83% 83%	28% 26%	2.1 1.7	as2522c.ies as2522d.ies	CWA	S50	2.7 / 1.6 / 1.3 / 1.2 / 0.7	310	80 80
	ILXS-400	E18	C22E D22E D25E	83% 83% 88%	28% 26% 23%	2.1 1.7 2	as4022c.ies as4022d.ies as4025d.ies	CWA	S51	4.1 / 2.5 / 2.1 / 1.9 / 1.1	467	90 90 95

Distribution Guide and Ballast Data Notes:

- 1) The ILXtreme Soft Bay accommodates a variety of other wattages and lamps. Please consult factory with specific requirements. Most common series/source-wattage data shown.
- 2) PS = Pulse Start Metal Halide
 - $\mathsf{PS}(\mathsf{R}) \,=\, \mathsf{Pulse} \; \mathsf{Start} \; \mathsf{Metal} \; \mathsf{Halide} \; \mathsf{w} \, / \, \mathsf{Pulse} \; \mathsf{Reg} \; (\mathsf{ILXR}) \; \mathsf{Magnetic} \; \mathsf{Ballast}.$
 - HPS = High Pressure Sodium.

- High Pressure Sodium. PSMH units require open rated lamps. Replace (*) with C for Conical Refractor or D for Dropped Refractor
 - 5) CWA = Constant Wattage Autotransformer; ILXR = Pulse Reg (Magnetic Regulated Lag).

3) Phosphor coated lamps recommended for Pulse Start Metal Halide. Clear lamps recommended for

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

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ILXSB Series

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Or	otior	1S (fact	ory installed)							
	Use th Wide-l	nis option Lite will se	c ballast option when a specific manufacturer's ballast is not required. elect a ballast that is appropriate for the application. if a specific mfg's ballast is selected to assure compatibilit	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.						
_	Optio	E1 N	ion by electronic ballast manufacturer. Metrolight Iniversal 'enture	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.						
	ming c	options	for standard core and coil HID ballasts	Not available with ILXR Pulse Reg magnetic ballast or Electronic ballast options.						
	BL TL	Bi-	Level Requires 5-wire. Level Requires 5-wire.	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. LOW HIGH						
Qua	rtz Au	ıxiliary /	Emergency Lighting Systems L	itematic Operation (LQ = LiteMatic Quartz)						
Standard 19 socket. LQ1 and LO			ortz wattage may not exceed HID lamp wattage. watt (120V) double contact bayonet base require an Interlock (by others) to ensure HID urce are not operated together.	Normal Start: Main HID and auxiliary Quartz lamps both energized. Main Lamp Reaches Approximately 40% of Rated Output: Auxiliary Quartz lamp automatically extinguishes. When Arc Extinguished: Atter power interruption, auxiliary Quartz lamp is automatically energized when power is restored and aremains on during run down, restrike and ramp up.						
		CSR	Hot Quartz Restrike	exceed that of main lamp at 100% output.						
		LQ	Hot/Cold Quartz Restrike	CSR: Quartz restrike using a current sensing relay. Activation: At cold start / restrike, through Run Down. Extinquishes once main HID lamp strikes / restrikes.						
		LQ1	Quartz Restrike Requires 5-wire. LQ and LQ1 combined in the same fixture	LQ: Provides LiteMatic T5HO Quartz auxiliary operation for fixtures with 120V or multi-tap ballasts. At cold start / restrike, through run down, restrike and ramp up. Extinquishes 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. Extinquishes when main power is restored. LQ2: Combines the standard LQ and LQ1 systems to provide the ultimate in safety and security.						
			Requires 5-wire.	Activation: 1) At cold start / restrike, through run down, restrike and ramp up. Extinquishes after HID lamp reaches approximately 40% light output. 2) Emergency (Black Out) conditions only. Extinguishes when main power is restored.						
	F1 F2	Dou		Standard unit consists of 1 or 2 KTK 30 amp fuses mounted internally on the ballast plate.						
	[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.						
	HPHE	Note		Rated to withstand up to 1300 psi, the HPHD option offers further durability and may be combined with the SL option.						
	SL	San	itation Listed	NSF Listed for Splash and Non-Food zones.						

(NSF listing indicates compliance to a level of cleanability.)

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Note: Required for NSF Listing

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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.

Unit is pre-wired with 3-conductor rubber jacketed cable and ☐ HCP-(X)C-L(Y)20P* Hook, Cord and Plug, 3-Wire heavy duty (16/3) NEMA twist-lock plug, along with die-cast (X) = Cord length in feet hook with locking screw, 20A standard. (Y) = 3-Wire NEMA voltage code: When specified with BL. LQ1 or LQ2, unit is pre-wired with 5=120V, 6=208/240V, 7=277V, 8=480V 5-conductor rubber jacketed cable and heavy duty (16/5) NEMA twist-lock plug (L2320P), along with die-cast hook ☐ HCP-(X)C-L2320P* Hook, Cord and Plug, 5-Wire with locking screw. 20A standard. (X) = Cord length in feet: 3, 6 or 10 Pendant Mounted Power Hook with NEMA receptacle ☐ H4-HCP-L(Y)20P* Pendant Power Hook, 3-Wire (300V) with HCP Unit is pre-wired with Hook, Cord and Plug. (Y) = 3-Wire NEMA voltage code: When specified with BL, LQ1 or LQ2, Pendant 5=120V, 6=208/240V, 7=277V, 8=480V Mounted Power Hook has an L2320R NEMA receptacle. (5-wire) ☐ H4-HCP-L2320P* Pendant Power Hook, 5-Wire (600V) with HCP Unit is pre-wired with 3-conductor rubber jacketed cable ☐ LCP-(X)C-L(Y)20P* Loop, Cord and Plug, 3-Wire and heavy duty (16/3) NEMA twist-lock plug, with die-(X) = Cord length in feet cast loop. 20A standard. (Y) = 3-Wire NEMA voltage code: When specified with BL, LQ1 or LQ2, unit is pre-wired with **5**=120*V*, **6**=208/240*V*, **7**=277*V*, **8**=480*V* 5-conductor rubber jacketed cable and 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 Power Hook with thru-wire provision contains a ☐ H5-LCP-L(Y)20P* Power Hook, 3-Wire (300V) with LCP NEMA receptacle. Unit is prewired with (Y) = 3-Wire NEMA voltage code: Loop, Cord and Plug. 5=120V, 6=208/240V, 7=277V, 8=480V When specified with BL, LQ1 or LQ2, Power Hook has an L2320R NEMA receptacle (5-wire). ☐ H5-LCP-L2320P* Power Hook, 5-Wire (600V) with LCP ☐ UPH-LCMP* Universal Power Hook 3-wire universal power hook module with thru-wire provisions. UL listed as a primary load break ☐ UPH-LCMP-WL Universal Power Hook, Wet Location Listed To maintain Wet Location Listing, (includes special gasketing, suitable for Wet Locations) specify UPH-LCMP-WL (as required). Note: Not available with Bi-Level option. Note: If ordering QV ballast, voltage must be specified. (3-wire only) ☐ TWB-EDP* Thru-wire box, 3-wire with disconnect Thru-wire box provides disconnect capability. UL listed as a primary load break device TWB-EDP-WL Thru-wire box, 3-wire w/disconnect, Wet Location Listed 5-wire version required if specified in conjunction (includes special gasketing, suitable for Wet Locations) with BL, LQ1 or LQ2 option. ☐ TWB-ED5P* Thru-wire box, 5-wire with disconnect To maintain Wet Location Listing. specify TWB-EDP-WL or TWB-ED5P-WL ☐ TWB-ED5P-WL Thru-wire box, 5-wire (as required). w/disconnect, Wet Location Listed (includes special gasketing, suitable for Wet Locations) Note: If ordering QV ballast, voltage must be specified. ☐ NH Nut & Hub Cast aluminum nut and hub for quick, positive mounting to 3/4" NPT or NPSM conduit. Note: Fixture is constructed to IP54. STRUCTURAL BEAM ☐ 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. MOUNTING HARDWARE BALLAST HOUSING □ 50HZ 50 Hz ballast operation Specified for applications (outside the U.S. where 50 Hertz operation is standard. Consult factory. ☐ WHT-EPXY-CTD White Epoxy coated Durable coating offers protection against mildly acidic or alkaline conditions.

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Accessories (Field Installed - Shipped Separately) ballast fusing accessories ☐ F1-KIT ☐ F2-KIT Single Fuse Kit, 120 / 277V Double Fuse Kit, 208 / 240 / 480V alternate mounting accessories * 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 3-conductor rubber jacketed cable and heavy duty (16/3) NEMA twist-lock plug as specified, with die-cast hook with locking screw. (X) = Cord length in feet standard. (3-wire) (Y) = 3-Wire NEMA voltage code: When specified for a unit with BL, LQ1 or LQ2, the 5-conductor rubber **5**=120*V*, **6**=208/240*V*, **7**=277*V*, **8**=480*V* jacketed cable and heavy duty (16/5) NEMA twist-lock plug (L2320P), along ☐ HCP-(X)C-L2320P* Hook, Cord and Plug, 5-Wire with die-cast hook with locking screw is required. 20A standard. (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 ☐ **H4-5W*** Pendant Power Hook, 5-Wire 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 3-conductor rubber jacketed cable and heavy duty (16/3) NEMA twist-lock plug, with die-cast loop. 20A standard. (3-wire) (X) = Cord length in feet When specified for a unit with BL, LQ1 or LQ2, the 5-conductor rubber (Y) = 3-Wire NEMA voltage code: jacketed cable and heavy duty (16/5) NEMA twist-lock plug (L2320P), along **5**=120*V*, **6**=208/240*V*, **7**=277*V*, **8**=480*V* 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* H5 Power Hook (3-wire) with thru-wire provision contains a L9-20R NEMA Power Hook with thru-wire provision, 3-Wire 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 ORC ☐ HM* ☐ JA75 Joint Aligner ☐ BRC(X)-ILX Retainer Note: Unit is not Sanitation Hook 50 lb. maximum al-Cable Listed with this accessory. Male (Standard) lowed. Ballast Retainer Chain (X) = Chain length in feet: 3, 5, 7, or 10 ☐ LM* ☐ SH75 Swivel Hanger Loop 50 lb. maximum Male allowed if hung from junction box. □ FWG Full Wireguard Recommended for use in gymnasiums and similar facilities. Note: Unit with wireguard installed is not Sanitation Listed.

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Notes



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