

HAZARDOUS LOCATION LED HIGH BAY

DESCRIPTION

The HLX-IL EL Series MID/HIGH power hazardous location luminaires have been developed for environments with expected exposure to flammable gases, vapours, combustible particles and ignitable fibres. Designed as a viable alternative to legacy gaseous luminaires providing substantially greater reliability, longevity and energy savings. The HLX-IL EL Series provides exceptional value by implementing 3B principles with repurposing existing designs with "good enough" engineering, performance and features. The HLX-IL EL is thus well suited for large deployment in cost driven applications.

The HLX-IL EL hazardous location luminaire is manufactured of cast Aluminum and subsequently machined to specific tolerances. Housings are coated with a powder coating finish for durability in demanding applications. The HLX-IL EL Series are ABS compliant with a PDA recognition and fully sealed to NEMA 4x/IP66 standards allowing it to reliably operate in marine environments.

The HLX-IL EL Series is available in 8 power configurations within 3 housing packages and with C1D2 classification. Distribution options with 4 beam patterns provides for exceptional flexibility in coverage.

The HLX-IL EL Series LED luminaires with on board digital drivers with 3 way power protection provide stable long term performance, very low maintenance requirements and guard against light depreciation. All versions are equipped with 10KV Surge Protection Devices (SPD) providing multi level protection of power cycle disturbances. Proven performance under demanding conditions with a value targeted design and SMD LED engines. The LEDRAYS HLX-IL EL Series is designed with the same prodigious attention to detail as the entire line of hazardous location luminaires.

The HLX-IL EL Series offers exceptional value by benefiting from pragmatic cost reduction efforts including production line leveraging and by using cross platform components.



APPLICATIONS

- Mining/Extraction Sites
- Petrochemical
- Paints/Inks/Coatings Production
- Test Chambers
- Service Tunnels
- Grain Production Storage
- Pulp & Paper
- Water & Waste Water
- Offshore
- Food & Beverage Processing

CERTIFICATES & RATINGS

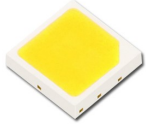
Class I, Division 2, Groups A, B, C, D
 Class II, Division 1, Groups E, F, G
 Class II, Division 2, Groups F, G
 Class III
 UL1598 and UL1598A
 UL844
 CSA C22.2 No.137/No.250.0
 T3 Temperature Code
 NEMA 4X, IP66
 IK10
 Marine and Wet Locations
 ABS under PDA Provisions
 IECEX
 ATEX

HLX-IL EL SERIES SPECIFICATIONS

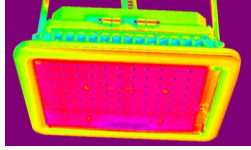
FIXTURE SERIES	POWER	LED TYPE	CCT	DISTRIBUTION	EXIT LUMEN RANGE	OPERATING VOLTAGE	IP RATING	DIMENSIONS
LR-HLX-IL-EL-020S-XX	20W	SMD (FLO)	4500K (4000-6500K avail)	40 / 60 / 90 / 120 °	2400-2800lm	AC90-277V AC180-508V	IP66 NEMA 4X	L264.1 x W160 x D205.7mm L10.4 x W6.30 x D8.10"
LR-HLX-IL-EL-040S-XX	40W	SMD (FLO)	4500K (4000-6500K avail)	40 / 60 / 90 / 120 °	4800-5600lm	AC90-277V AC180-508V	IP66 NEMA 4X	L264.1 x W160 x D205.7mm L10.4 x W6.30 x D8.10"
LR-HLX-IL-EL-060S-XX	60W	SMD (FLO)	4500K (4000-6500K avail)	40 / 60 / 90 / 120 °	7200-8400lm	AC90-277V AC180-508V	IP66 NEMA 4X	L264.1 x W160 x D205.7mm L10.4 x W6.30 x D8.10"
LR-HLX-IL-EL-080M-XX	80W	SMD (FLO)	4500K (4000-6500K avail)	40 / 60 / 90 / 120 °	9600-11200lm	AC90-277V AC180-508V	IP66 NEMA 4X	L317.5 x W241.3 x D165.1mm L12.5 x W9.50 x D6.50
LR-HLX-IL-EL-100M-XX	100W	SMD (FLO)	4500K (4000-6500K avail)	40 / 60 / 90 / 120 °	12000-14000lm	AC90-277V AC180-508V	IP66 NEMA 4X	L317.5 x W241.3 x D165.1mm L12.5 x W9.50 x D6.50
LR-HLX-IL-EL-120L-XX	120W	SMD (FLO)	4500K (4000-6500K avail)	40 / 60 / 90 / 120 °	14400-16800lm	AC90-277V AC180-508V	IP66 NEMA 4X	L381.0 x W231.1 x D269.24mm L15.0 x W9.10 x D10.60
LR-HLX-IL-EL-150L-XX	150W	SMD (FLO)	4500K (4000-6500K avail)	40 / 60 / 90 / 120 °	18000-21000lm	AC90-277V AC180-508V	IP66 NEMA 4X	L381.0 x W231.1 x D269.24mm L15.0 x W9.10 x D10.60
LR-HLX-IL-EL-200L-XX	200W	SMD (FLO)	4500K (4000-6500K avail)	40 / 60 / 90 / 120 °	24000-28000lm	AC90-277V AC180-508V	IP66 NEMA 4X	L381.0 x W231.1 x D269.24mm L15.0 x W9.10 x D10.60



FEATURES



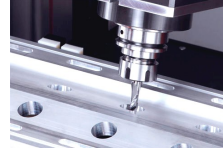
FLO SMD PACKAGE
20-180W



SOLID THERMAL
PERFORMANCE



CUSTOM ETCHED AND EPOXY
COATED



CAST ALUMINIUM AND
CNC MACHINED HOUSING



HIGH EFFICIENCY
DRIVERS

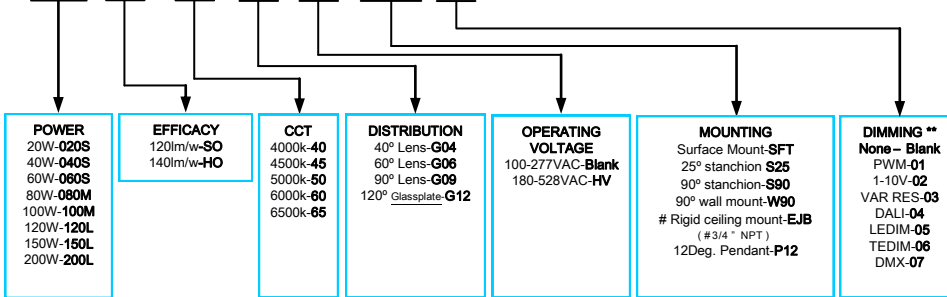
PRODUCT IMAGES



ORDERING INFO: LR-HLX-IL-EL-120L-SO-50-G12--SFT--

ELECTRICAL SPECIFICATIONS

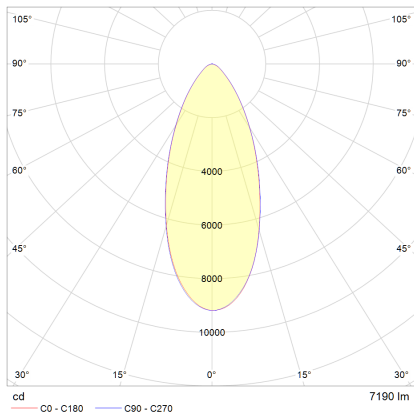
1. Power Input: AC100-277V
2. AC180-528V (Option)
3. Power Factor: ≥95
4. THD: ≤19% @ full Load



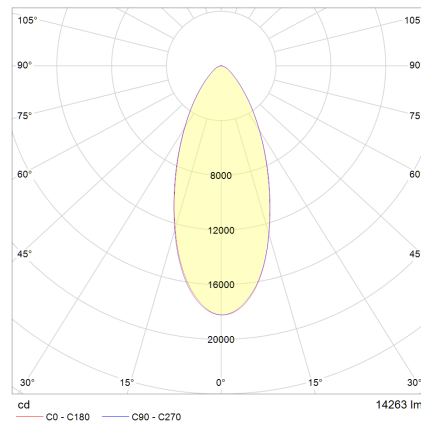
DIM Control: 0-5V, 0-10V, 1-10V, 0-20ma, 4-20ma, RS485, RS-232, PWM, RES, LEDIM, TEDIM, DMX512, DMX512/RDM, DALI, Custom
****** LEDRAYS offers the following dimming options (Please note not all DIM methods apply to a particular product)

GLASSPLATE=BOROSILICATE PLATE GLASS

PHOTOMETRIC DISTRIBUTION



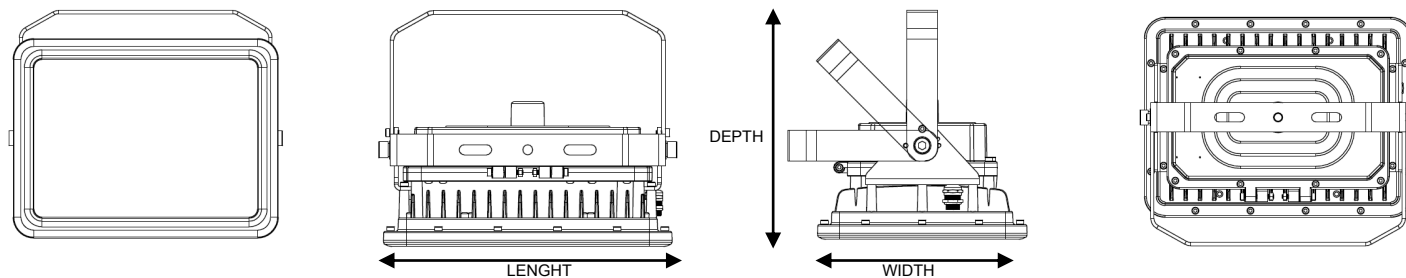
LR-HLX-IL-EL 60W (S) SMD/G06 LENS



LR-HLX-IL-EL 120W (L) SMD/G06 LENS

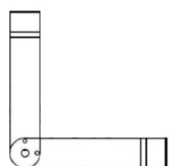


DIMENSIONS mm (± 1.1mm)

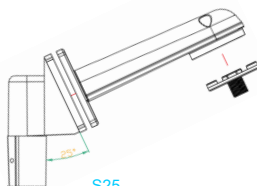


CONFIGURATION POWER	DIMENSIONS	WEIGHT
20-60W (HOUSING S)	L264.1 x W160 x D205.7mm L10.4 x W6.30 x D8.10 "	6.15kg / 13.53lb
80-100W (HOUSING M)	L317.5 x W241.3 x D165.1mm L12.5 x W9.50 x D6.50	8.2kg / 18.04 lb
120-200W (HOUSING L)	L381.0 x W231.1 x D269.24mm L15.0 x W9.10 x D10.60	11.25kg / 24.75lb

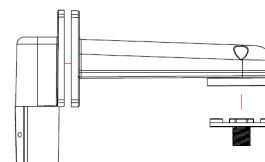
MOUNTING



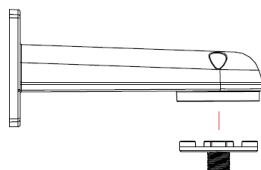
SFT



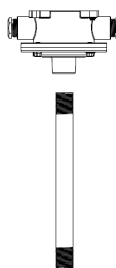
S25



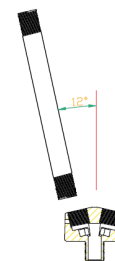
S90



W90



EJB



P12



The specifications in this brochure are representative and must not be interpreted as a guarantee of individual product performance and/or characteristics. LED RAYS Inc. has a policy of continuous advancements & development specifications may change without notice. Please contact your agent for updates.

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