

HAZARDOUS LOCATION LINEAR LED LUMINAIRE

PRE RELEASE

The LR-HLL X C1D1 series linear luminaire is designed to withstand hazardous locations in demanding applications with expected exposure to flammable gases, vapours, combustible dusts and ignitable fibers.

This ultra rugged low profile luminaire is designed for simple integration into new and retrofit hazardous locations as a direct replacement for legacy linear lighting systems with greatly surpassed efficacy and reliability. Captive 316 Type stainless hardware, an isolated driver enclosure and specific structure resonance abatement allow the HLL X series compatibility in applications where limited 3 Axis vibration is present.

The LR-HLL X hazardous location linear luminaire is constructed of a low copper content cast ADC12 Aluminum with a proprietary powder coating finish for high strength and durability in exceptionally harsh, high temperature and corrosive applications. The housing is fully sealed to IP66 standards allowing it to reliably operate in marine environments and can withstand most wash down procedures.

Efficacies of $\geq 140\text{lm/w}$ are achieved by reducing light emission losses from thermal, electrical and optical systems. The HLL X Series LED luminaires with on board digital drivers with 4 way power protection and optional thermal roll back provide stable performance and guard against light depreciation. Proven performance under severe conditions with a robust design and best in class SMD LED engines.



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

LISTED

UL 1598/UL 1598A/UL844
 CSA C22.2 No. 137
 CSA C22.2 No. 250.0
 Class I Division 1, Group C, D
 Class I Division 2, Group A, B, C, D
 Class II Division 1, Group E, F, G
 Class II Division 2, Group E, F, G
 Class III
 Marine & Wet Locations
 NEMA 4X/IP66

HLL X SERIES SPECIFICATIONS

FIXTURE SERIES	POWER	LED TYPE	CCT	EFFICACY	LUMINOUS FLUX	DISTRIBUTION	OPERATING VOLTAGE	IP RATING	DIMENSIONS
LR-HLL-X-30W-XX-XX	30W	SMD	3000K-4000K 5000K-5700K	130-140lm/w	3900-4200lm	60° or 120° ASYMMETRIC	AC90-277V AC180-508V	IP66	L590 x W140 x H207mm L23.23 " x 5.51 " x 8.15 "
LR-HLL-X-40W-XX-XX	40W	SMD	3000K-4000K 5000K-5700K	130-140lm/w	5200-5600lm	60° or 120° ASYMMETRIC	AC90-277V AC180-508V	IP66	L590 x W140 x H207mm L23.23 " x 5.51 " x 8.15 "
LR-HLL-X-60W-XX-XX	60W	SMD	3000K-4000K 5000K-5700K	130-140lm/w	7800-8400lm	60° or 120° ASYMMETRIC	AC90-277V AC180-508V	IP66	L1184 x W140 x H207mm L46.61 " x 5.51 " x 8.15 "
LR-HLL-X-80W-XX-XX	80W	SMD	3000K-4000K 5000K-5700K	130-140lm/w	10400-11200lm	60° or 120° ASYMMETRIC	AC90-277V AC180-508V	IP66	L1184 x W140 x H207mm L46.61 " x 5.51 " x 8.15 "



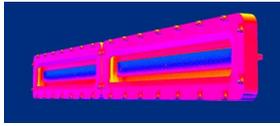
FEATURES



HIGH PERFORMANCE SMD LED ENGINES



ISOLATED DRIVER ENCLOSURE



SUPERIOR THERMAL PERFORMANCE



RUGGEDIZED ALUMINIUM STRUCTURE



HIGH EFFICIENCY DRIVERS

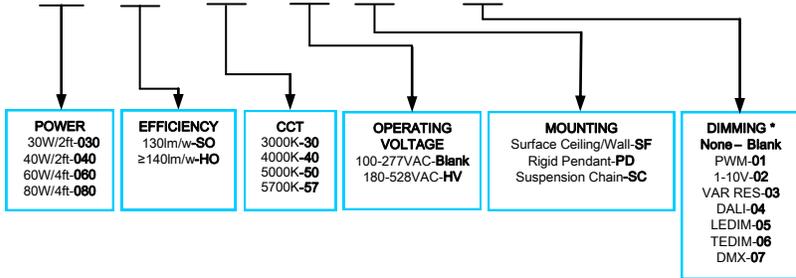
PRODUCT IMAGES



ORDERING INFO: LR-HLL-X-080-SO-50-SF---

ELECTRICAL SPECIFICATIONS

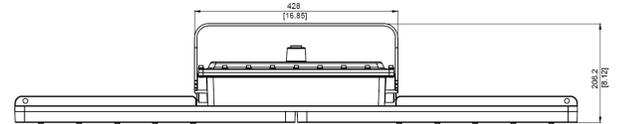
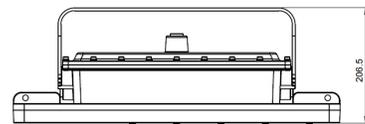
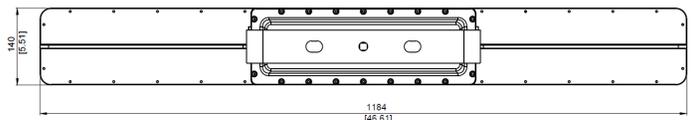
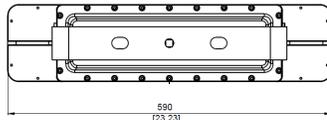
1. Power Input: AC90-277V
2. AC180-528V (Option)
3. Power Factor: ≥98
4. THD: ≤17% @ full Load



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)

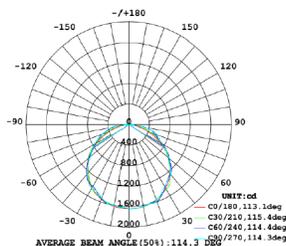
DIMENSIONS mm/ WEIGHTS kg/lbs (± 0.4kg/± 0.88lbs)

POWER	DIMENSIONS	NET WEIGHT
30/40W	L590 x W140 x H207mm L23.23 " x 5.51 " x 8.15 "	14.4kg/31.6lbs
60/80W	L1184 x W140 x H207mm L46.61 " x 5.51 " x 8.15 "	22.3kg/49lbs



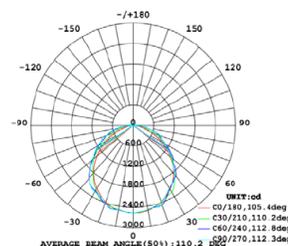
PHOTOMETRIC DISTRIBUTION

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



30W (590mm/23.2") 120Deg.

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



60W (1184mm/46.6") 120Deg.

