

HAZARDOUS LOCATION LINEAR LED LUMINAIRES

HLL Ex SERIES

DESCRIPTION

The new HLL Ex Series hazardous location linear luminaires are engineered for difficult and harsh environments in demanding applications by integrating the use of superior materials, electronics and exceptional engineering.

The low profile LR-HLL Ex has been engineering for simple integration into new hazardous area installations or as a retrofit to existing fluorescent installations with minimal obstruction. The C1D2 and C2D2 classification make the LEDRAYS LR-HLL Ex suitable for applications with expected exposure to flammable gases, vapours, combustible dusts and ignitable fibres.

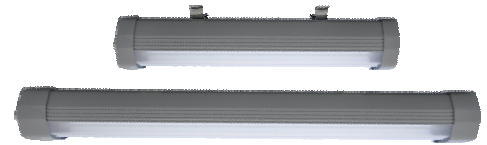
The LR-HLL-EX hazardous location linear luminaire is constructed of a low copper extruded AL6063 Aluminum with a tough powder coat finish for high strength and durability in exceptionally demanding, high temperature and corrosive applications. The housing is fully sealed to IP66 allowing it to reliably operate in wet environments and can withstand most wash down procedures.

Practically indestructible engineered polycarbonate BAYER® fascias and molded synthetic Neoprene gaskets protect against particulate intrusion. SS304/316 type hardware ensures long term reliability.

>140lm/w efficacies are achieved by reducing light emission losses from thermal, electrical and optical systems.

The HLL Ex 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 reliable under demanding conditions with a robust design and best in class SMD LED engines.

Fixture versatility is tremendous and was a key design criteria with the HLL Ex series. This has been achieved by offering 7 mounting options, three power configuration within two linear lengths, multiple input voltage options including AC120-277V or AC180-528V. This flexibility empowers users to intelligently integrated a single fixture type into a multitude of applications.



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

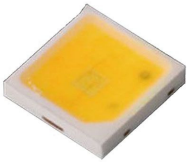
UL844
CSA C22.2 No. 250.0-08
CSA C22.2 No. 137-M1981
Class I Division 2, Group A, B, C & D
Class II Division 2, Group F, G
Class III
UL 1598 Wet Locations
UL 8750 LED Safety
DLC
IK10

HLL Ex SERIES SPECIFICATIONS

FIXTURE SERIES	POWER	LED TYPE	CCT	EFFICACY	LUMINOUS FLUX	DISTRIBUTION	OPERATING VOLTAGE	IP RATING	DIMENSIONS
LR-HLL-EX36W-XX-XX	36W	SMD	3000k 4000k 5000K	120-140lm/w	4350-5050	120° ASYMMETRIC	AC90-277V AC180-508V	IP66	L680 x W125 x D88mm L26.9 " x 4.96 " x 3.46 "
LR-HLL-EX36W-XX-XX	36W	SMD	3000k 4000k 5000K	120-140lm/w	4350-5050	120° ASYMMETRIC	AC90-277V AC180-508V	IP66	L1280 x W125 x D88mm L50.4 " x 4.96 " x 3.46 "
LR-HLL-EX56W-XX-XX	56W	SMD	3000k 4000k 5000K	120-140lm/w	6750-7850	120° ASYMMETRIC	AC90-277V AC180-508V	IP66	L1280 x W125 x D88mm L50.4 " x 4.96 " x 3.46 "



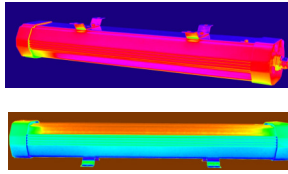
FEATURES



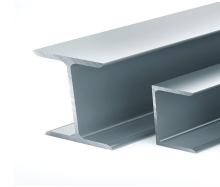
HIGH PERFORMANCE SMD LED ENGINES



ADVANCED BAYER® FASCIA MATERIAL



SUPERIOR THERMAL PERFORMANCE



RUGGEDIZED 6063 ALUMINIUM STRUCTURE



HIGH EFFICIENCY DRIVERS

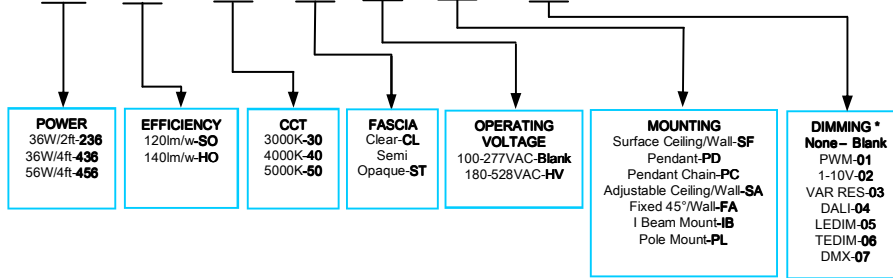
PRODUCT IMAGES



ORDERING INFO: LR-HLL-EX-456-SO-50-ST-SA

ELECTRICAL SPECIFICATIONS

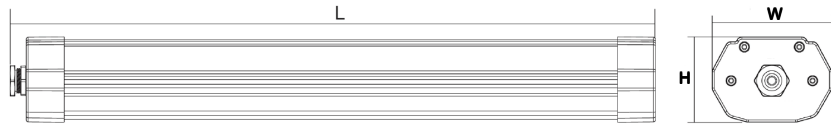
- Power Input: AC90-277V
- AC180-528V (Option)
- Power Factor: ≥98
- THD: ≤18% @ full Load
- Standard 1M/3.3ft SWOOJ cord length



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)

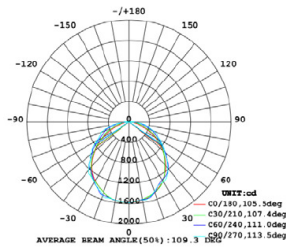
DIMENSIONS mm/ WEIGHTS kg/lbs (± 0.4kg/± 0.88lbs)

POWER	DIMENSIONS	NET WEIGHT
236	L680 x W125 x H88mm L26.9" x 4.96" x 3.46"	4.32kg/9.50lbs
436 or 456	L1280 x W125 x H88mm L50.4" x 4.96" x 3.46"	7.45kg/16.4lbs



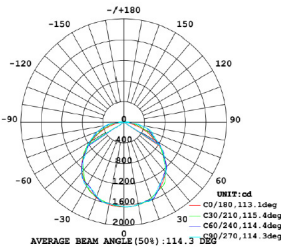
PHOTOMETRIC DISTRIBUTION

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



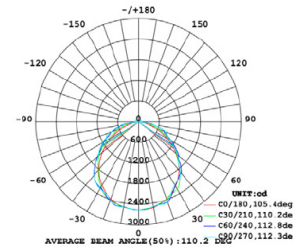
36W (680mm/28.9")

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



36W (1280mm/50.4")

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



56W (1280mm/50.4")



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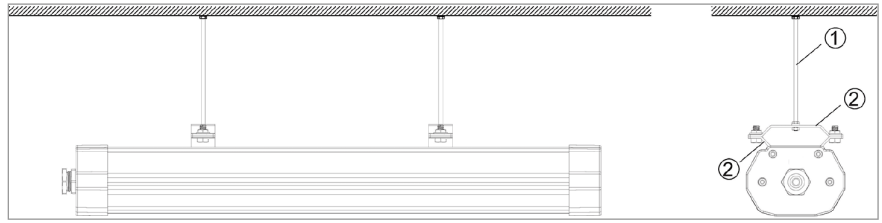


MOUNTING TYPES

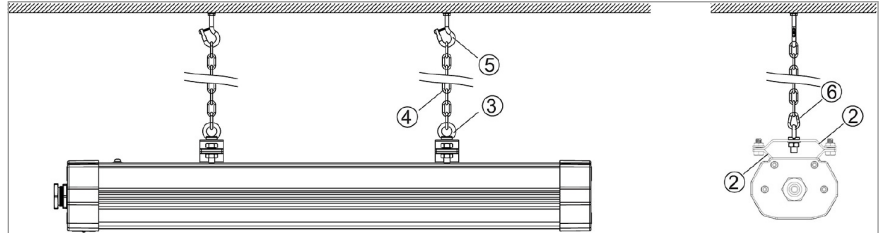
Surface Ceiling/Wall-SF



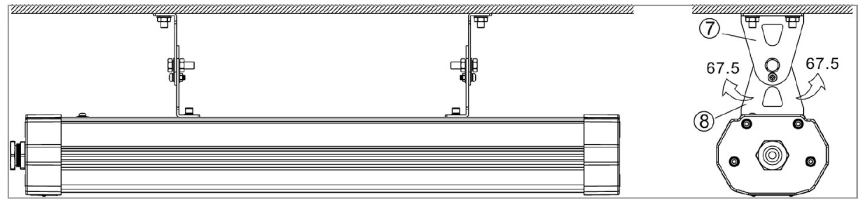
Pendant-PD



Pendant Chain-PC



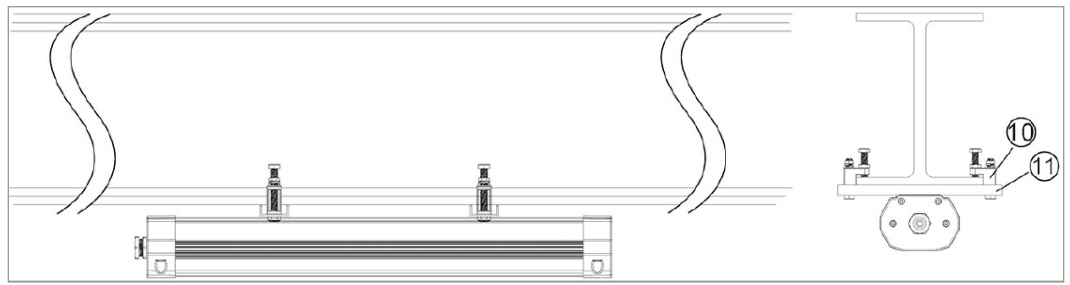
Adjustable Ceiling/Wall-SA



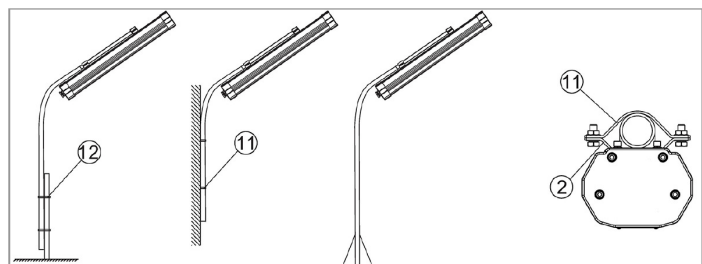
Fixed 45°Wall-FA



I Beam Mount-IB



Pole Mount-PL



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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