

HRL recessed LED linear fixtures

Rugged solutions for complex environments

Eaton's Crouse-Hinds series HRL recessed LED linear fixtures are engineered to provide maintenance-free illumination in the most demanding environments, along with a competitive payback vs. fluorescent fixtures.

Available in three common sizes, the HRL is certified for use in Zones 1, 21, 2, and 22 hazardous areas, as well as Class I, Division 2 locations. Manufactured in galvanized steel or stainless steel for additional corrosion protection, HRL fixtures combine state-of-the-art LED technology with optimized thermal management to extend service life in extreme environments.

Primary applications

- Locations requiring continuous and consistent light levels in extreme ambient temperatures
- Areas requiring frequent on-and-off of lights
- Where flammable vapors, gases, ignitable dusts, fibers or flying's are present
- Where corrosive, wet, dusty, hot and/or cold conditions exist
- Marine, wet locations and hose-down environments
- Manufacturing plants, chemical or pharmaceutical facilities, platforms
- Optionally with DALI for controlling and monitoring the luminaire
- DALI 2 optional

Design features

Enhance safety and productivity

- Instant illumination and restrike
- T6 temperature rating to safely operate in the most hazardous environments

Reliable performance in any environment

- Outstanding water and dust proof performance (IP66)
- B0 & B15 fire rate

Reliable operation and low quality risks

- T6 rating @ 55°C ambient for standard 100-240VAC fixtures
- 108-250VDC input provision for emergency systems, cranes, etc.
- 25% lumen output in emergency operation for the whole lighting

Easy installation

- Quick & easy maintenance- Easy access to drivers and wiring
- Easy installation – Recessed mounting with T-Bar.

Electrical ratings

Model	HRL3060	HRL3012	HRL6060	HRL3060 EM	HRL3012 EM	HRL6060 EM
Voltage, VAC	100-240 VAC, 50/60HZ					
Voltage, VDC	108V-250VDC					
Power consumption	26W	52W	52W	30W	60W	60W
Inrush current peak	15A	15A	15A	15A	15A	15A
Inrush current time	0.2ms	0.2ms	0.2ms	0.2ms	0.2ms	0.2ms
Power factor cos ψ @ 230 V	0.95	0.95	0.95	0.95	0.95	0.95
Protection class	IP66					
ISurge voltages	4Kv					
THD @230V	< 10%					

* Tolerance +/- 10%



Available with self-contained emergency battery backup!

Model number	Nominal lumen†	Watts	Efficacy	Equivalent fluorescent
HRL3060	2900	26W	112 Lm/w	2x18W
HRL3012	5800	52W	112 Lm/w	2x36W
HRL6060	6000	52W	115 Lm/w	4x18W

† Lumen values apply to 5700K light colour, 70 CRI fixtures. Lumen output may vary slightly for different models.

Certifications and compliances

IECEx / ATEX Standards:

- Ex e mb IIC T6 Gb, Ex tb IIIC T80°C Db
- Ex d e mb IIC T6 Gb, Ex tb IIIC T80°C Db(for switch version)

Permissible ambient temperature

- -40°C to 55°C (standard fixture), -25°C to 55°C (emergency model)

Degree of protection accd. to EN 60529

- IP66
- Rated life of 5 years at 55 °C provides long term, low-maintenance operation

Standard materials

- Enclosure - steel with white paint finish; Stainless steel as optional
- Lens - Translucent PC
- External hardware - Stainless steel

LED system

- Light colour: Standard version is 5700K, 3000K, 4000K and 5000K for optional
- Cool white>70, warm white>80

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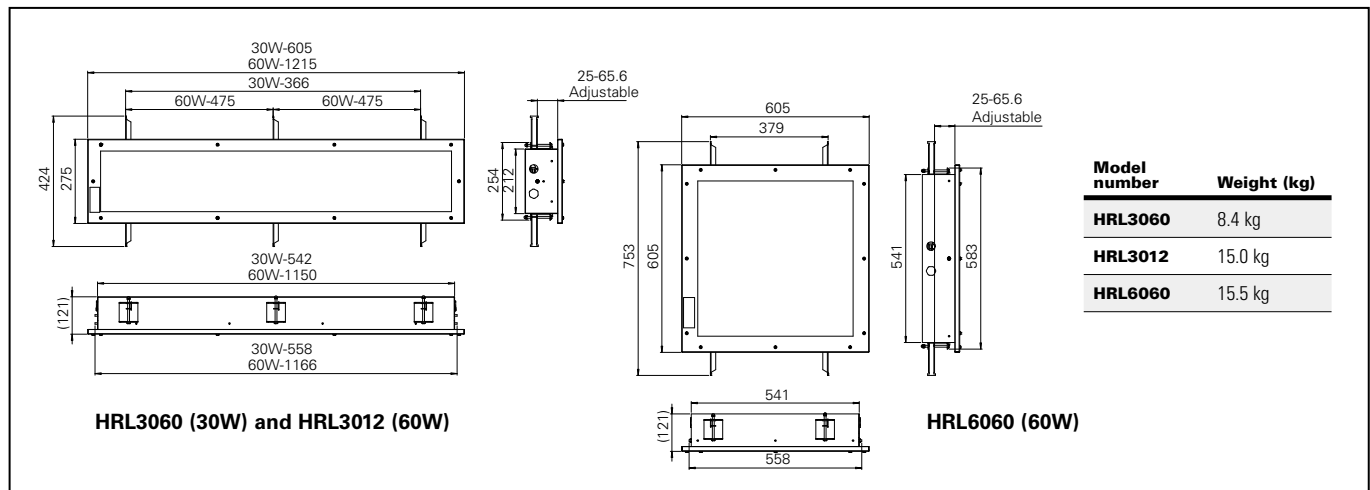
Ordering Information

HRL Model	Part Number	Power	Lumen	CCT	Gland	Through Wiring	Battery	Duration	Light Output in Emergency
600 x 600 fixture									
HRL/6060/00/60W/57/2-220	CCL1714885	52W	6000lm	5700K	M20	Yes	No	--	--
HRL/6060/00/60W/57/1-220	CCL1714877	52W	6000lm	5700K	M20	No	No	--	--
HRL/6060/00/60W/57/EM2/2-220	CCL1714949	60W	6000lm	5700K	M20	Yes	Yes	1,5h	25%
HRL/6060/00/60W/57/EM2/1-220	CCL1714941	60W	6000lm	5700K	M20	No	Yes	1,5h	25%
300 x 600 fixture									
HRL/3060/00/30W/57/2-220	CCL1714055	26W	2900lm	5700K	M20	Yes	No	--	--
HRL/3060/00/30W/57/1-220	CCL1714559	26W	2900lm	5700K	M20	No	No	--	--
HRL/3060/00/30W/57/EM2/2-220	CCL1714119	30W	2900lm	5700K	M20	Yes	Yes	1,5h	25%
HRL/3060/00/30W/57/EM2/1-220	CCL1714111	30W	2900lm	5700K	M20	No	Yes	1,5h	25%
300 x 1200 fixture									
HRL/3012/00/60W/57/2-220	CCL1714439	52W	5800lm	5700K	M20	Yes	No	--	--
HRL/3012/00/60W/57/1-220	CCL1714431	52W	5800lm	5700K	M20	No	No	--	--
HRL/3012/00/60W/57/EM2/2-220	CCL1714503	60W	5800lm	5700K	M20	Yes	Yes	1,5h	25%
HRL/3012/00/60W/57/EM2/1-220	CCL1714495	60W	5800lm	5700K	M20	No	Yes	1,5h	25%

* Tolerance +/- 10%

* Additional configurations are available upon request, please contact your local sales representative.

Dimensions & weights



Polar curves

