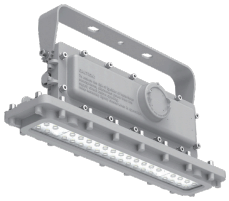
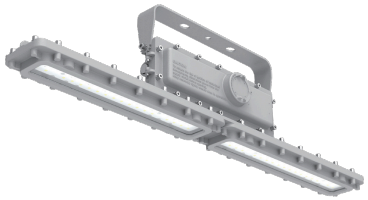
HLIS-V-T

Hazardous Location LED Linear Luminaire, I Series, Selectable Power and CCT, 30 W to 100 W, IP66

Hazardous Location LED Linear Luminaire



I2



I4

The I Series LED luminaire is the ideal choice for marine and hazardous applications where a linear design is required. The power box can be opened from the side by opening the M75 circular cover, without the need to loosen multiple screws, for easy and convenient installation and maintenance. Power and CCT are selectable on the luminaire.

Features

- Stainless-steel hardware, great anti-corrosion
- Copper-free aluminum housing, excellent corrosion resistance
- UV-stable, impact-resistant clear tempered glass lens
- High-quality SMD LED, efficacy up to 150 lumens per watt
- Available in two lengths: 2 feet (I2), 4 feet (I4)
- Side-opening power box with M75 circular cover
- Selectable power and CCT (DIP switch)
- 1-10V dimming
- Optional emergency function

Application

- Power Plants
- Heavy industrials storage facility
- Paper mills
- Wastewater Treatment Plants
- Loading docks platforms
- Offshore environments
- Chemical processing facility
- Petrochemical processing facility
- Food and alcohol industry

Compliance

- UL 844 Hazardous Locations
- Class I Division 1, Groups C, D
- Class I Division 2, Groups A, B, C, D
- UL 1598 Wet Locations
- UL 1598A Marine Outside Type
- IP66
- IK08
- NEMA 4X
- Vibration 3G

Electrical

Model	30W (I2)	50W (I2)	60W (I2)	60W (I4)	80W (I4)	100W (I4)
Selectable power	30W	50W	60W	60W	80W	100W
Input voltage	120-277VAC or 277-480VAC (see ordering guide)					
Frequency / power factor	50/60Hz / > 0.95					
Optional emergency	Minimum 90 minutes (contact Paraflex for options)					
Service life / salt spray	Up to 50,000 hours / 500 hours					

Optical

Model	30W (I2)	50W (I2)	60W (I2)	60W (I4)	80W (I4)	100W (I4)
Lumen output	4500lm	7500lm	9000lm	9000lm	12000lm	15000lm
Lumens per watt	150lm/W					
Selectable CCT / CRI	4000K / 5000K / 6500K / > 70					
Beam angle	120°					
Dimming	1-10V dimming (requires separate 1-10V DC dimming circuit)					
Lifespan	LED lumen maintenance: L70 > 150,000 operation hours @55°C					

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Environmental and Mechanical

Ambient temperature	I2: T5, -40°C to +60°C. I4 (120-277VAC): T5, -40°C to +60°C; I4 (277-480VAC): T6, -40°C to +55°C (Class I and II)
Housing / diffuser	Copper-free aluminum / Flat tempered glass
Gasket / hardware	Silicone rubber / Stainless steel 304
Protection	IP66 / IK08 / NEMA 4X
Mounting	Wall (included); ceiling, pendant, chain, pole (purchased separately)
Cable entries	Top: 3/4" NPT (standard); 2 x M20 holes on the sides (standard)
Warranty	5-year limited warranty on fixture; 3-year limited warranty on battery backup

Power and CCT Selection (DIP switches)

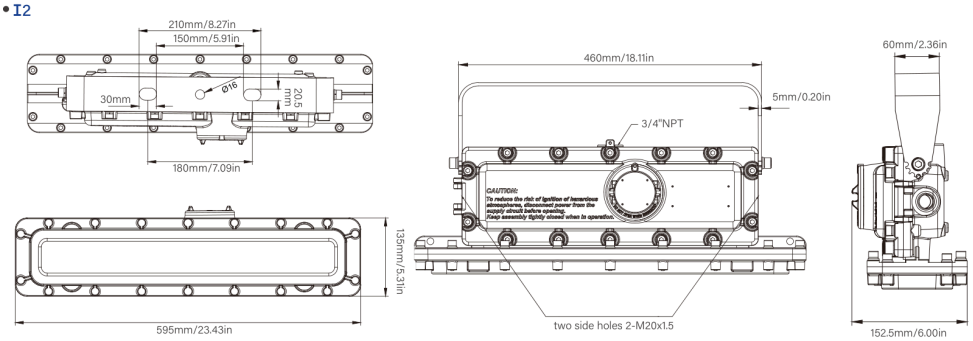
S1 power	Dial 1	Dial 2	I2	I4
Maximum output	OFF	OFF	60W	100W
Medium output	ON	OFF	50W	80W
Minimum output	OFF	ON	30W	60W

S2 CCT	Dial 1	Dial 2	CCT
Cool white	OFF	OFF	6500K
Neutral white	ON	OFF	5000K
Warm white	ON	ON	4000K

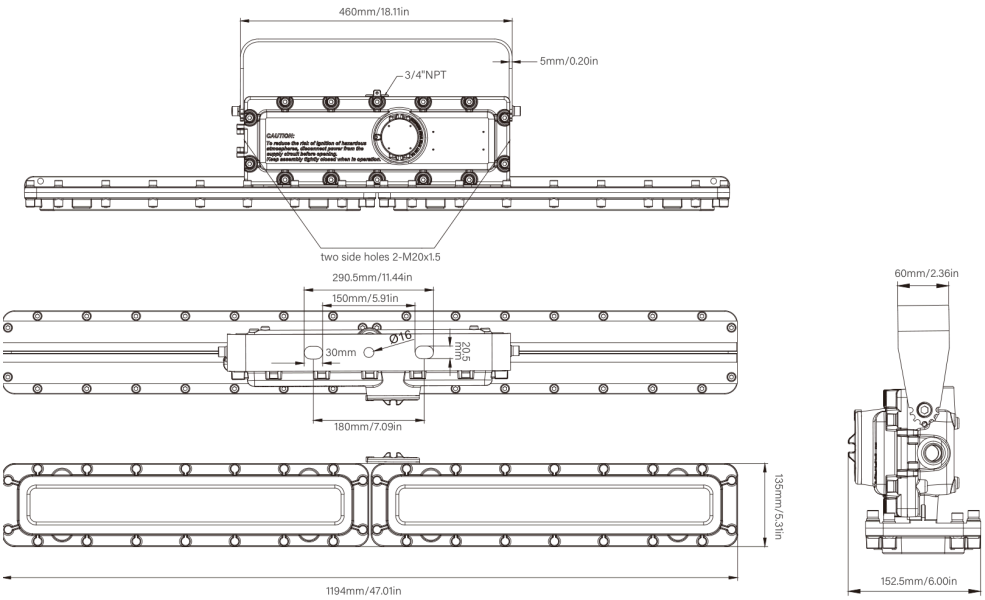
Factory default settings and power levels can be customized according to order requirements.

Dimensions, mm [inch]

- I2



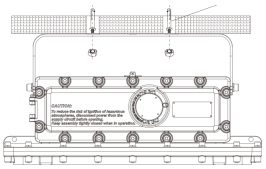
- I4



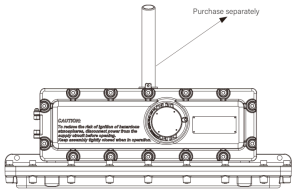
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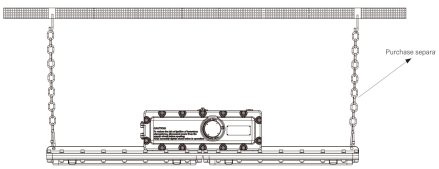
Mounting Methods



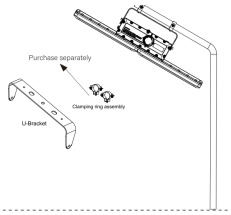
1. Ceiling mounting



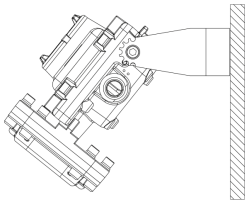
2. Pendant mounting



3. Chain mounting

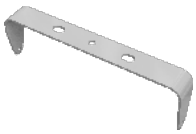


4. Pole mounting



5. Wall mounting

Accessories (purchased separately)



U-Bracket



Ex-Straight Pipe



Ex-Straight Chain



EX-HD51-KB1 junction box

Ordering Guide

Example: HLIS-V-T-60W-I2-D-50-D120-H-V10-T-E

#	Field	Options
1	**Model**	HLIS-V-T (I Series hazardous location linear luminaire, selectable power and CCT)
2	**Input wattage**	I2: 30 / 50 / 60W I4: 60 / 80 / 100W (selectable)
3	**Lamp enclosure heatsink**	I2 I4
4	**Dimming**	D = Dimmable Blank = Non-dimmable
5	**CCT**	50 = 4000K / 5000K / 6500K (selectable)
6	**Beam angle**	D120 = 120°
7	**Input voltage**	Blank = 120-277V H = 277-480V M = 120-347V
8	**LED driver**	V75 / V10 (120-277V, I2 / I4) A65 / A10 (277-480V, I2 / I4)
9	**Dual tunable**	T = With tunable (power and CCT)
10	**Backup power**	Blank = Without backup -E = With backup power source

Disclaimer:
Due to the rapid pace of technology change in the Lighting industry, the Information and Data presented in this spec sheet is for reference purposes only, please confirm with Paraflex Industries 2006,Inc. at the time of finalizing the order or design. Paraflex Industries 2006,Inc. does not warrant or represent that the information is free from errors or omission. The information may change without notice and Paraflex Industries 2006,Inc. is not in any way liable for the accuracy of any information printed and stored or in any way interpreted or used.