Truex Lighting

HLSFL Series
Hazardous Location
LED Multi-Purpose

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DESCRIPTION & APPLICATIONS

The HLSFL series is a multi-purpose light classified for use in Hazardous (C1D2) environments that require the following certifications:

- Class I, Division II: Groups A, B, C, D
- Class II, Division I: Groups E, F, G
- Class II, Division II: Groups E, F, G
- Class III

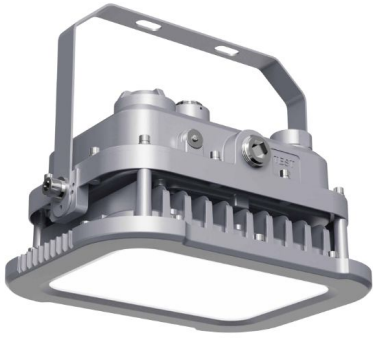
The fixture is designed for applications requiring metallic fixtures. Excellent for marine wet and damp locations. Typical applications include solvent and cleaning areas, petrochemical facilities, marine facilities, waste treatment plants, and food processing applications. Housing is copper free aluminum with a tempered glass lens. The fixture also offers modern conveniences like selectable CCT and Power setting so they can be adjusted to your specific requirements.

ELECTRICAL
Long-life LED system coupled with electronic driver delivers optimal performance. LED's available in 80+ CRI and 3000K to 5000K CCT. Projected L70 rated life is >100,000 hours. Standard electronic drivers are 120-347VAC, 277-480VAC drivers optional.

LISTING/CERTIFICATIONS
NEMA 4X IP66
UL1598 / UL844
CSA C22.2 No.137 / No.250.0
UL1598A Marine and Wet Locations

PERFORMANCE
The HLSFL luminaire offers up to 140 lumens per watt, THD <10%, PF>99. Dimming and 3-hour emergency battery are optional. LED modules and drivers are offered with a standard 5 year warranty based on performance under normal conditions. Consult warranty for details.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



SPECIFICATIONS

Construction: Marine grade, copper free cast aluminum housing

Finish: Gray Epoxy coat

Lens: Tempered glass

Light Source: 20 - 200-watts (Selectable)

Available Light Spreads: 40/60/90/120-degree

CRI: 80

CCT: 3000K, 4000K & 5000K (Selectable)

L70: 100,000 hour rated life

Power Source: 120-347VAC, 50/60Hz, 277-480VAC optional

Wiring: 3/4 inch NPT threaded

Mounting: Trunnion, Pendant, Pole, Hoop

Ambient Operating Temperature: -40°F to +140°F

Impact: High impact resistance

Maintenance: Replaceable LED board and drivers

Components: Integrated compartment for driver

Optional Configurations: Dimming, Photocell, Microwave Sensor, Emergency backup battery

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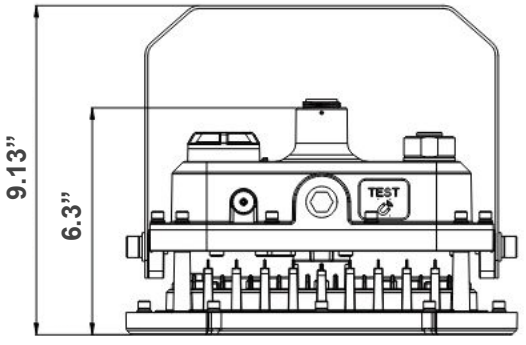
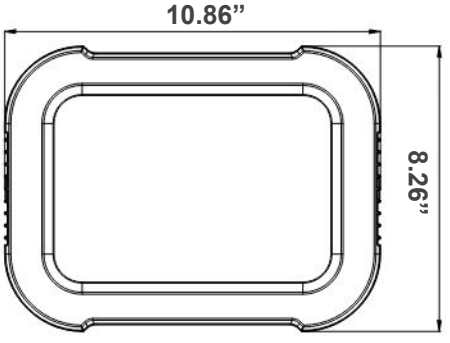
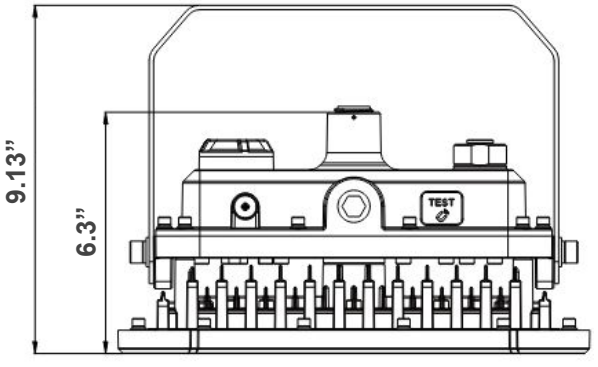
DIMENSIONS

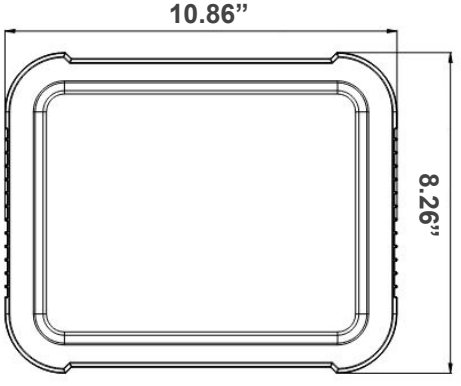
60W (Selectable)



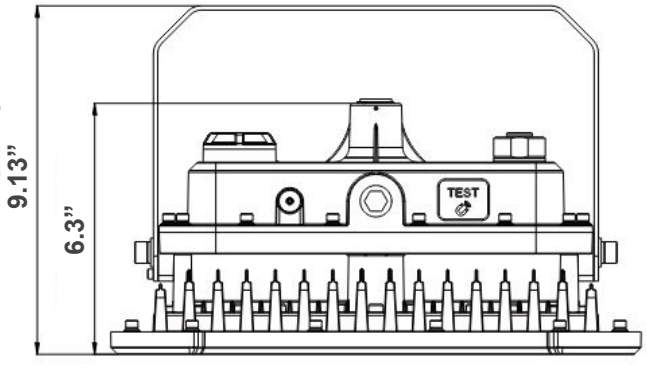


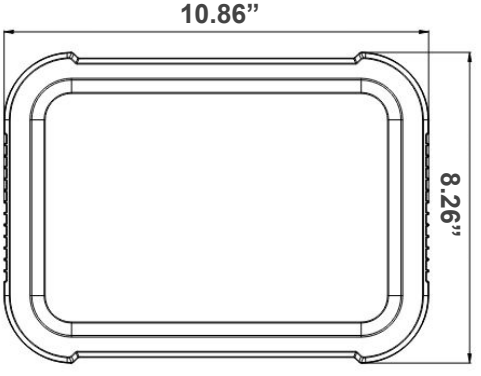
100W (Selectable)





200W (Selectable)





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OPTICAL PERFORMANCE

60W Selectable Fixture (120-347 VAC)				
Setting	**Wattage**	**3000K Lumens**	**4000K Lumens**	**5000K Lumens**
LV1	60W	8700 lm	9300 lm	9200 lm
LV2	40W	6100 lm	6400 lm	6350 lm
LV3	30W	4150 lm	4200 lm	4250 lm
LV4	20W	3250 lm	3450 lm	3350 lm

100W Selectable Fixture (120-347 VAC)				
Setting	**Wattage**	**3000K Lumens**	**4000K Lumens**	**5000K Lumens**
LV1	100W	15000 lm	16500 lm	15600 lm
LV2	80W	12200 lm	13500 lm	13000 lm
LV3	60W	9300 lm	10300 lm	9700 lm
LV4	40W	6500 lm	7100 lm	6700 lm

100W Selectable Fixture (277-480 VAC)				
Setting	**Wattage**	**3000K Lumens**	**4000K Lumens**	**5000K Lumens**
LV1	100W	14700 lm	16400 lm	15400 lm
LV2	80W	12200 lm	13500 lm	13000 lm
LV3	60W	9300 lm	10300 lm	9700 lm
LV4	40W	6500 lm	7100 lm	6700 lm

200W Selectable Fixture (127-347 VAC)				
Setting	**Wattage**	**3000K Lumens**	**4000K Lumens**	**5000K Lumens**
LV1	200W	29000 lm	33000 lm	31000 lm
LV2	150W	23000 lm	25500 lm	24000 lm
LV3	120W	19000 lm	21000 lm	20000 lm
LV4	80W	13000 lm	14500 lm	13600 lm

200W Selectable Fixture (277-480 VAC)				
Setting	**Wattage**	**3000K Lumens**	**4000K Lumens**	**5000K Lumens**
LV1	200W	30000 lm	33000 lm	31400 lm
LV2	150W	23000 lm	25500 lm	24000 lm
LV3	120W	19000 lm	21000 lm	20000 lm
LV4	80W	13000 lm	14500 lm	13600 lm

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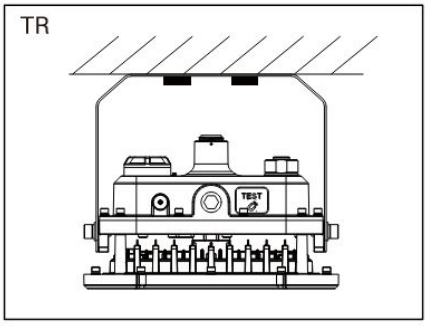
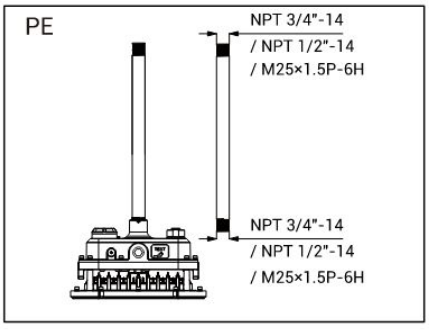
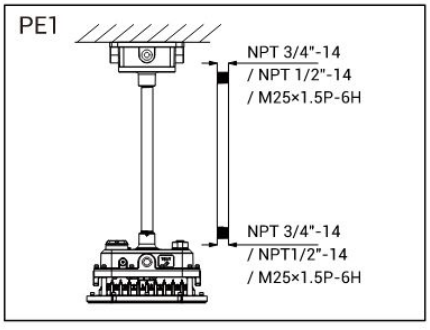
MOUNTING OPTIONS



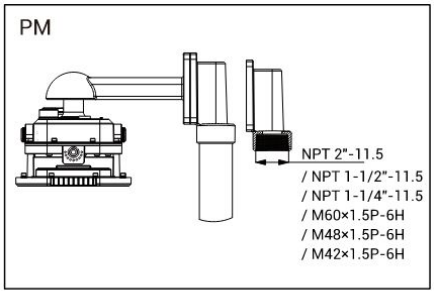
Trunnion Mount
/U-Bracket Mount



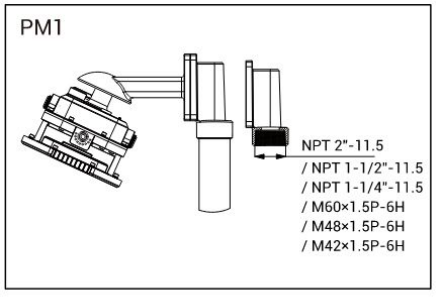
Pendant Mount



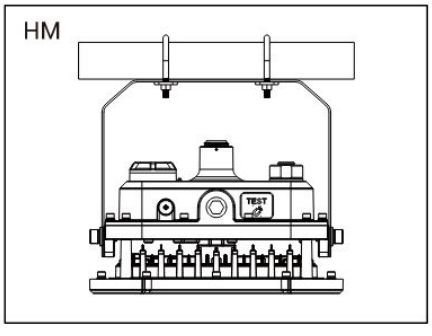
Pendant Mount with Box



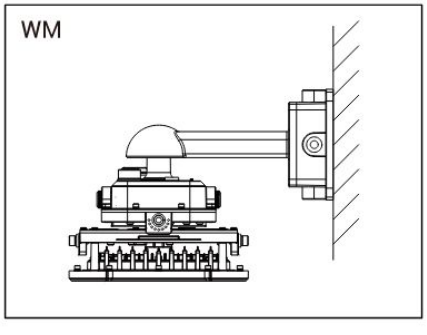
Round Pole Mount



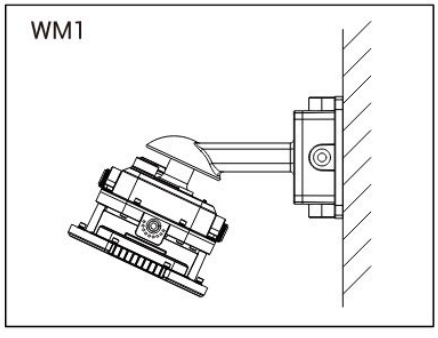
Round Pole Mount (115°)



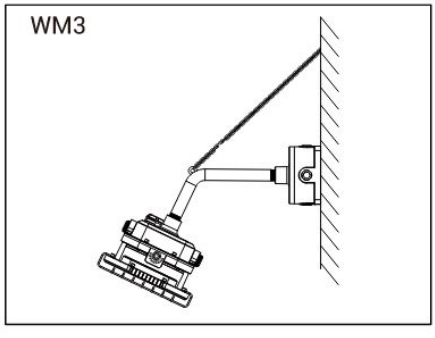
Hoop Clamp Mount



Wall Mount



Wall Mount (115°)



Wall Mount (115° Pole)

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MODEL CODE OPTIONS

HLSFL - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

Series	Wattage	Light Dist.	Mounting	Options	Voltage
HLSFL	60W	40 (40-degrees)	T (Trunnion)	M (Motion Sensor)	UNV (120-347VAC)
	100W	60 (60-degree)	P (Pendant)	P (Photocell)	480 (277-480VAC)
	200W	90 (90-degree)	PB (Pendant & Junction Box)	EM (Emergency Battery)	
		120 (120-degree)	WM (Wall Mount)		
			WM115 (Wall Mount 115-degree)		
			WMP115P (Wall Mount 115-degree)		
			HC (Hook Clamp)		
			RPM (Pole Mount - 90-degree)		
			RPM115 (Round Pole Mount 115-degree)		

Some options may come with additional charges. Please contact Truex Lighting or authorized manufacturer's sales representative for further pricing information.