



Class 1 Division 2



Compliance

UL 844 Hazardous Locations
Class I Division 2 Groups A, B, C, D
Class I Zone 2 Group IIC
Class II Division 1 Groups E, F
Class II Division 2 Groups E, F
Class II Zone 20, 21, or 22 Group II B
Class III
UL 1598 Suitable for Wet Locations
UL 1598A Marine Saltwater

CSA C22.2 No. 250.0
CSA C22.2 No. 137
IP66 per IEC 60598-1 @ -40°C to +45°C (-40°F to +114°F)
1Ex d IIC T5 @ -40°C to +45°C (-40°F to +113°F)



(BAA) Buy American Act, meeting the requirements for domestic manufacturing and material sourcing as outlined in 41 U.S.C. §§

Key Features

FEATURES:	Round Traffic Light (Rugged) Horizontal or Vertical BAA (Buy American Act)
OPTIONS:	4 Mounting Styles Military Grade Lens 1, 2 or 3 Eyes R, RG, RGY Color Combinations

Applications

Oil and Gas

Petroleum production and refining
Petroleum loading, storage, transportation and retail
Confined spaces with vapor accumulation
LNG and LPG handling
Oil tankers and shipping vessels
Fuel system testing facilities

Power Plants

Coal-fired power plants, including coal handling and storage areas
Gas-fired power plants with fuel storage
Nuclear power facilities in hazardous auxiliary areas
Biomass or waste-to-energy plants with combustible dust risks

Industrial

Industrial storage facilities
Paper mills, sawmills and lumber yards
Loading dock platforms
Manufacturing plants for heavy industrial goods
Warehouses handling flammable materials

Waste Treatment

Wastewater treatment plants
Pumping stations
Solid waste processing and incineration facilities
Sewage treatment with methane gas risks
Hazardous waste recycling centers

Mining

Operations and service areas
Underground mining tunnels with gas accumulation

Chemical Industry

Chemical production, processing and storage facilities
Solvent handling and mixing areas
Chemical research labs with flammable substances

Ocean, Marine and Aerospace

Offshore platform operation facilities and structures
Marine and saltwater environments
Aerospace clean rooms and production areas
Ocean vessel operations
Shipyards and dry docks
Aircraft hangars with fuel vapors

Metal Treatment

Paint facilities
Steel and aluminum factories
Metal smelting, foundry and fabrication
Welding and cutting areas with gas risks

Military and Defense

Ammunition storage and handling
Fuel depots and refueling stations
Explosives manufacturing
Vehicle maintenance bays in hazardous zones

Food, Alcohol and Agriculture Industry

Flour and fine particle production and storage
Food and distilling production
Grain storage elevators and silos
Breweries and fermentation tanks
Feed mills with dust risks
Fertilizer production and storage

Pharmaceutical Industry

Drug manufacturing and solvent handling
Clean rooms with volatile compounds
Pill coating and drying areas
Research and development labs

Other high humidity, high dust, high temperature and vapor locations

Specifications

Wattage	15W	30W	45W
OPTICAL			
Lumen Output	N/A	N/A	N/A
Lumens Per Watt	N/A	N/A	N/A
Color Temperature: CCT	R: Red RG: Red/Green RYG: Red/Yellow/Green		
CRI (Color Rendering Index)	> 70		
Beam Angle	120°		
Light Source	XTE CREE		
ENVIRONMENTAL			
Ambient Operating Temperature	-40°C to +45°C (-40°F to +113°F)		
Temperature Code	T5 (+55°C)	T5 (+55°C)	T5 (+55°C)
MECHANICAL			
Housing Material	Copper free aluminum alloy		
Lens Diffuser	Military Grade UL94 V-0 rated Lexan Tempered clear borosilicate glass		
Hardware	Marine grade stainless steel		
Finish	Polyester powder coat finish		
Mounting	TB: Pole Mount Vertical TBH: Pole Mount Horizontal UC: Universal Mount Vertical UCH: Universal Mount Horizontal		
Cable Entry	Classified for CID2 nickel plated brass adapter from M20 to 3/4” with 6’ of wire		
Warranty	5 Year Standard Warranty		
ELECTRICAL			
Lifespan	L70> 70,000 Operational Hours (RV) @ 25°C L70> 100,000 Operational Hours (LV) @ 25°C L70> 40,000 Operational Hours @ 55°C		
Input Frequency	50/60Hz		
Power Factor	> 0.95		
Input Power (+25°)	20W	40W	60W
THD (Total Harmonic Distortion)	< 30%		
LED Driver	Custom made 100-280VAC, 50/60Hz, 230-370VDC, 15-36VDC (LV)		
LED Driver Protection	Overload, short-circuit protection		
Surge Protection	1kV (Except LLV)		
Inrush Current	15A	30A	45A

Ordering Logic

ORDER EXAMPLE: TL HL TB SPC RV D120 RG 30W B 2E

(1) Product	(2) Product Category		(3) Mounting	(4) Lens		
TL HL	HL - Hazardous Location Rated Body		TB - Pole Mount Vertical (S) TBH - Pole Mount Horizontal UC - Universal Mount Vertical UCH - Universal Mount Horizontal	SPC - Special Polycarbonate Lens		
(5) Voltage		(6) Optics	(7) Color	(8) Wattage	(9) Body Color	(10) Eye
RV - 120-277 VAC, 50/60 Hz		D120 - 120°	R - Red	15W (5,200 lm) 1 Eye	B - Black	1E - 1 Eye
LV - Low Voltage 12 VDC (SO)			RG - Red/Green	30W (8,700 lm) 2 Eye		2E - 2 Eye
			RYG - Red/Yellow/Green	45W (8,700 lm) 3 Eye		3E - 3 Eye

(S) Standard

Accessories



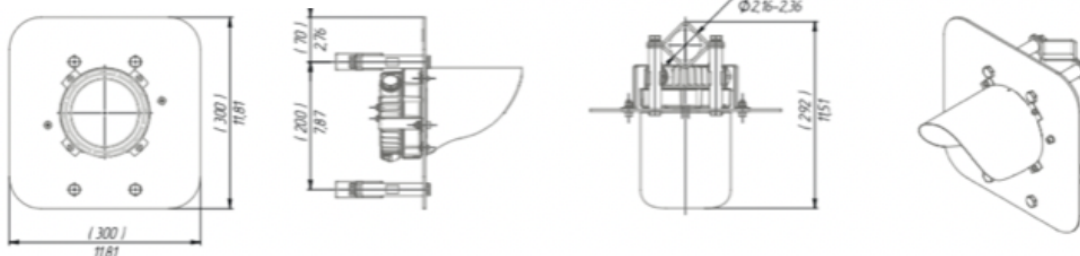
EX-Junction Box

Product Dimensions

TL-HL-TB 15W

TB Bracket

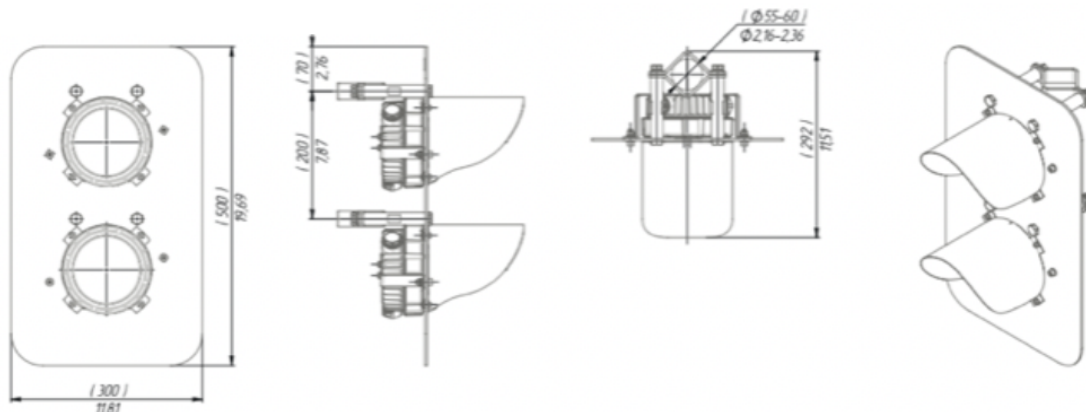
Fixture Weight: 7.45 lb [3.4 kg]



TL-HL-TB 30W

TB Bracket

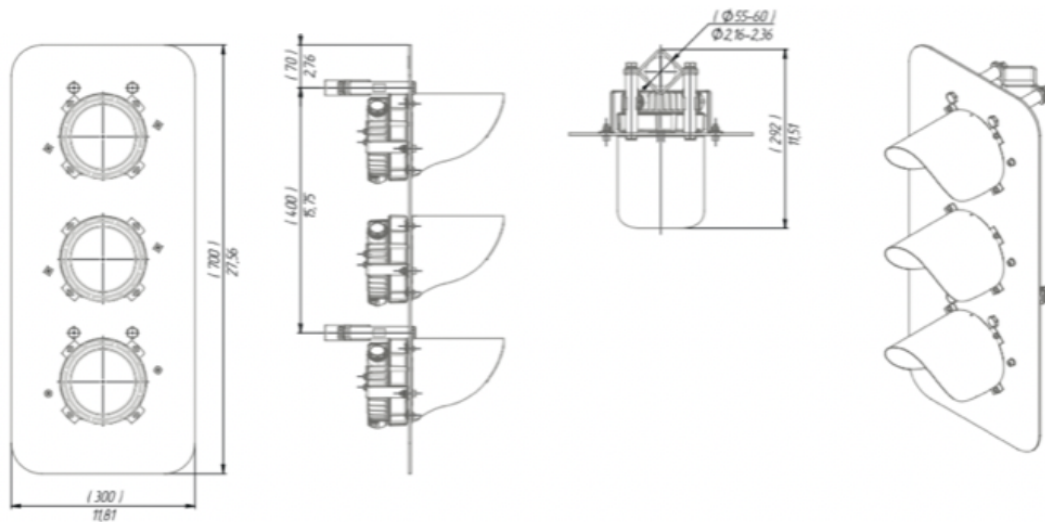
Fixture Weight: 12.0 lb [5.5 kg]



TL-HL-TB 45W

TB Bracket

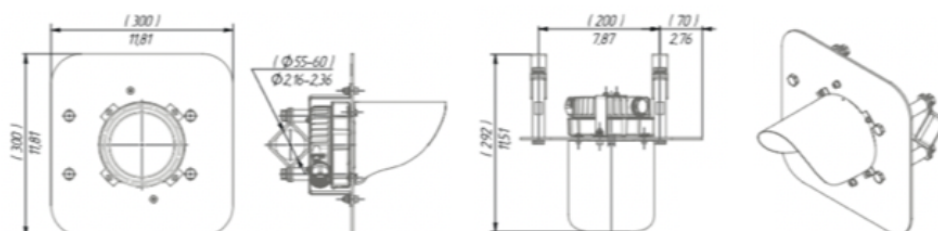
Fixture Weight: 16.6 lb [7.5 kg]



TL-HL-TBH 15W

TBH Bracket

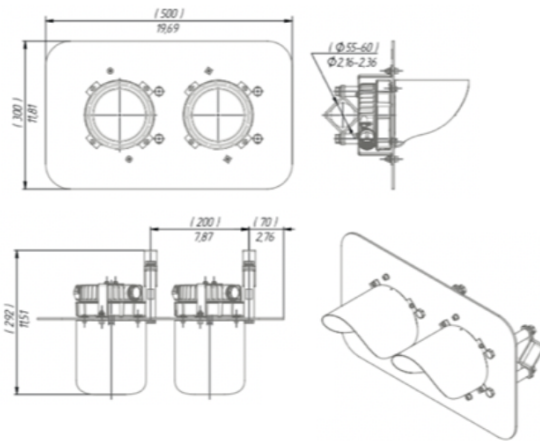
Fixture Weight: 7.45 lb [3.4 kg]



TL-HL-TBH 30W

TBH Bracket

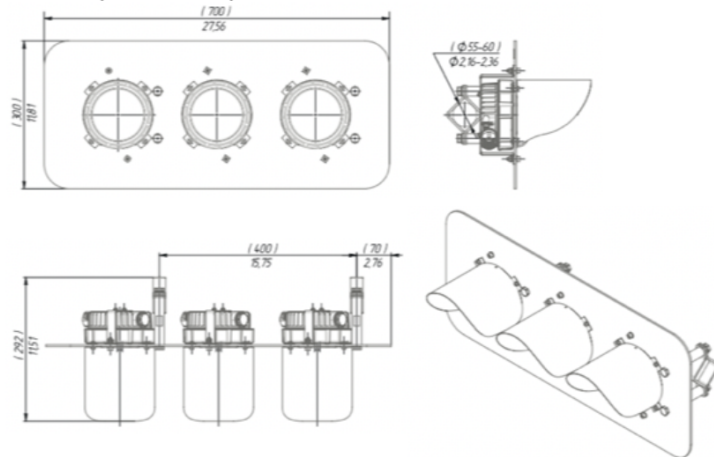
Fixture Weight: 12.0 lb [5.5 kg]



TL-HL-TBH 45W

TBH Bracket

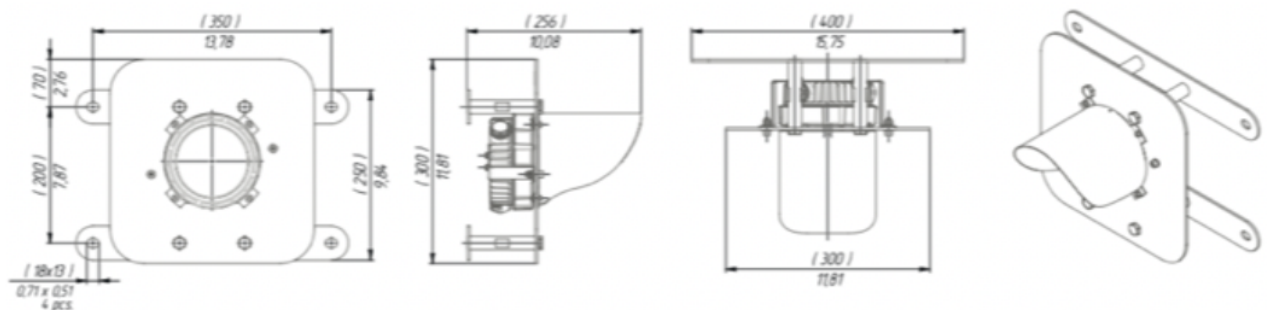
Fixture Weight: 16.6 lb [7.5 kg]



TL-HL-UC 15W

UC Bracket

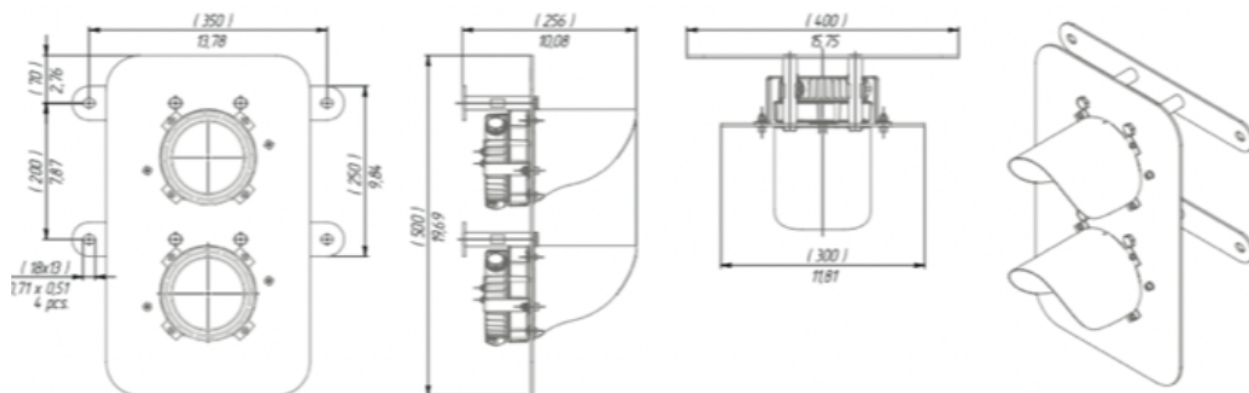
Fixture Weight: 8.93 lb [4.1 kg]



TL-HL-UC 30W

UC Bracket

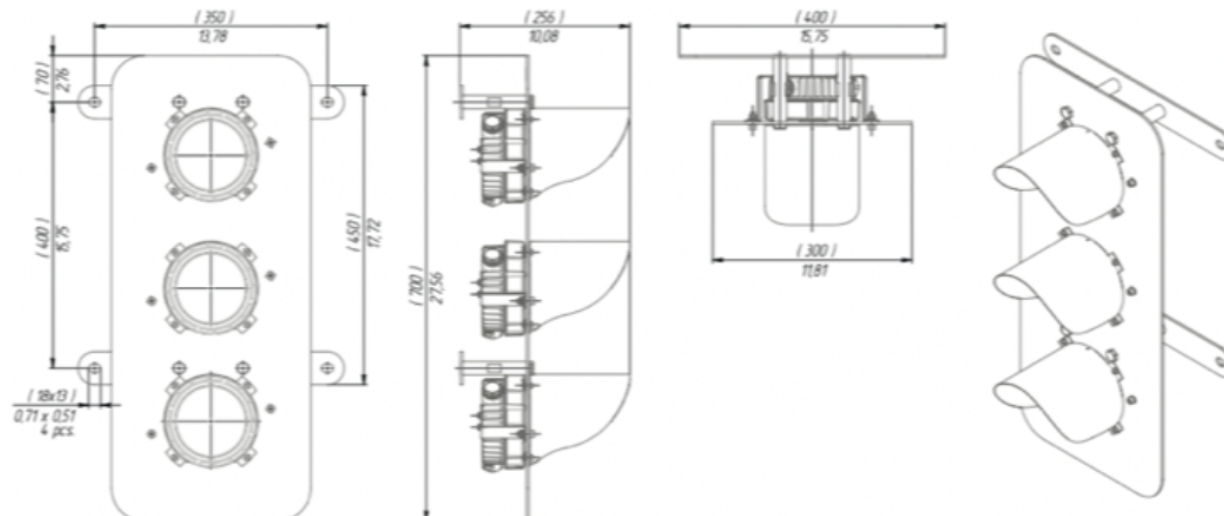
Fixture Weight: 13.49 lb [6.1 kg]



TL-HL-UC 45W

UC Bracket

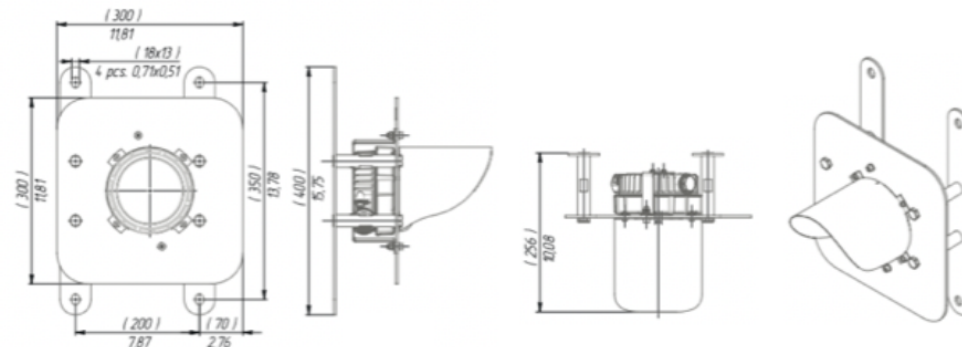
Fixture Weight: 18.08 lb [8.2 kg]



TL-HL-UCH 15W

UCH Bracket

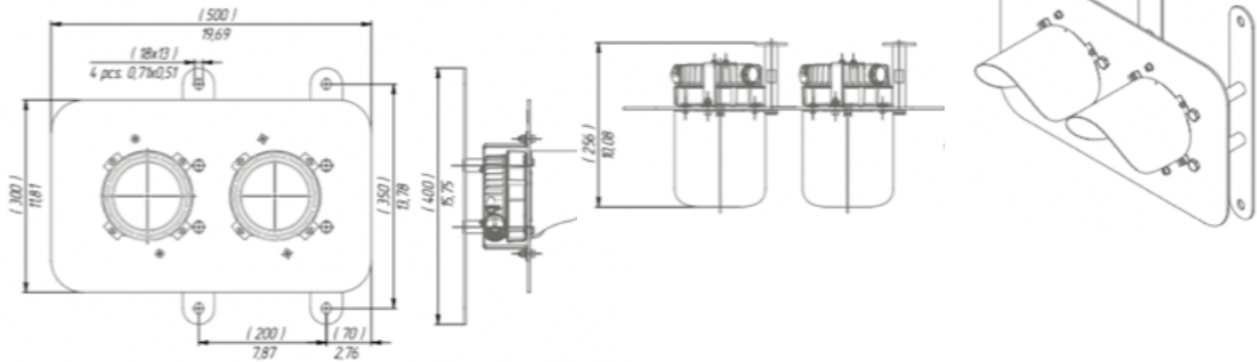
Fixture Weight: 8.93 lb [4.1 kg]



TL-HL-UCH 30W

UCH Bracket

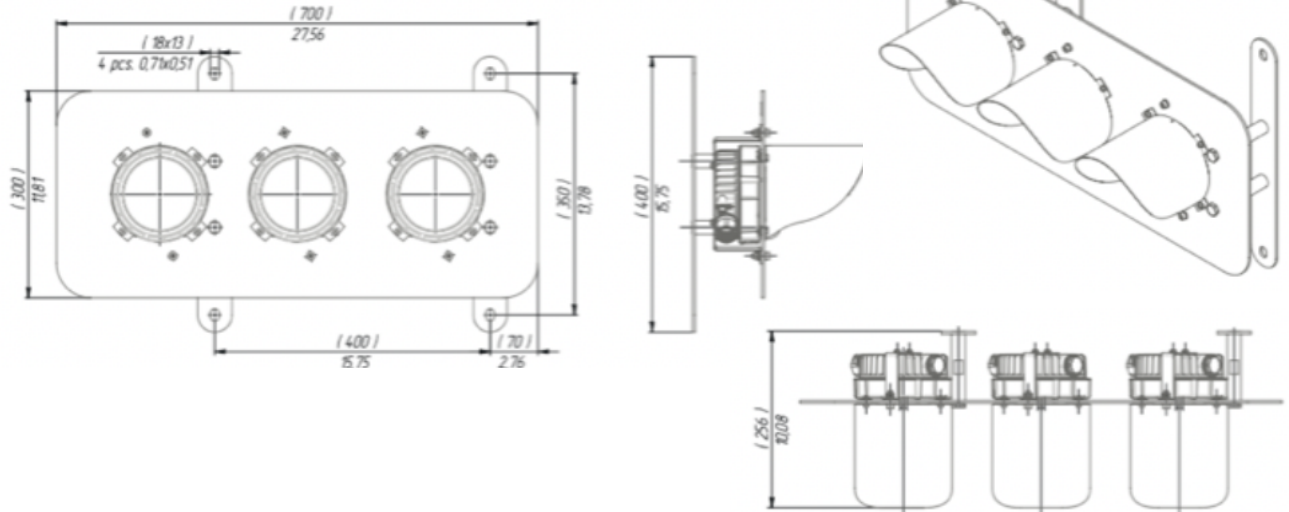
Fixture Weight: 13.49 lb [6.1 kg]



TL-HL-UCH 45W

UCH Bracket

Fixture Weight: 13.49 lb [6.1 kg]



Packaging Information

Pieces	1		
Fixture Dimensions	See Product Dimensions Drawing		
Net Fixture Weight	TB/TBH 7.45 LBS (3.4 KG) UC/UCH 8.93 LBS (4.1 KG)	TB/TBH 12.0 LBS (5.5 KG) UC/UCH 13.49 LBS (6.1 KG)	TB/TBH 16.6 LBS (7.5 KG) UC/UCH 18.08 LBS (8.2 KG)