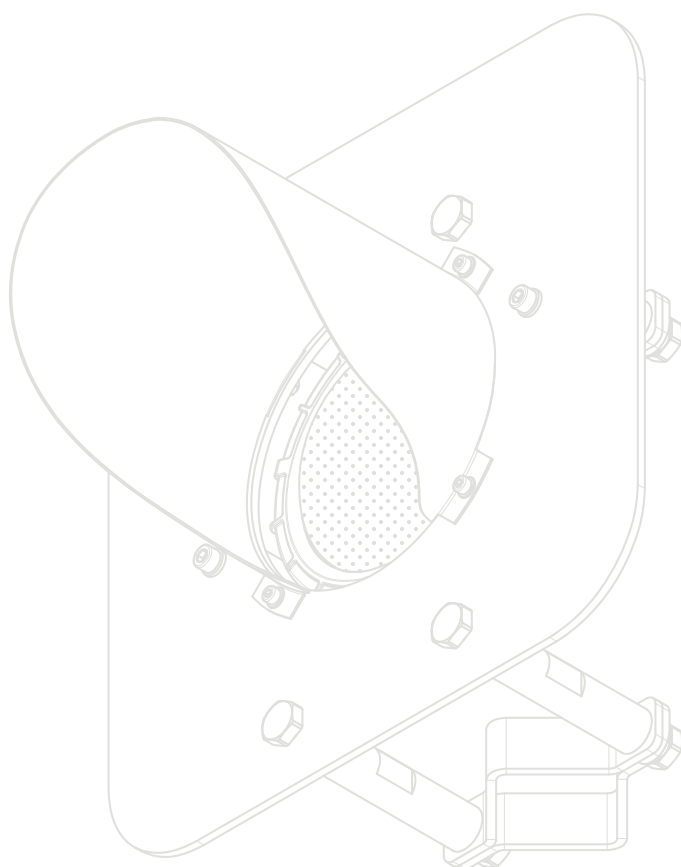


A R C U S

TRF-HL LED LUMINAIRES



TRAFFEX™ FOR EX



EXPLOSION PROOF


TRAFFEX™ FOR HL



HAZARDOUS LOCATION


TRAFFEX™ FOR IL



INDUSTRIAL LOCATION


SPECIFICATION

MODEL WATTAGE	15 W	30 W	45 W
LUMEN OUTPUT	N/A	N/A	N/A
DIMENSIONS	TB/TBH: 11.8 X 11.8 X 11.5 IN (300 X 300 X 292 MM) UC/UCH: 15.7 X 11.8 X 10.1 IN (400 X 300 X 256 MM)	TB/TBH: 19.7 X 11.8 X 11.5 IN (500 X 300 X 292 MM) UC/UCH: 19.7 X 15.7 X 10.1 IN (500 X 400 X 256 MM)	TB/TBH: 27.6 X 11.8 X 11.5 IN (700 X 300 X 292 MM) UC/UCH: 27.6 X 15.7 X 10.1 IN (700 X 400 X 256 MM)
NET FIXTURE WEIGHT	7,45 LBS (3,4 KG) (TB/TBH)* 8,93 LBS (4,1 KG) (UC/UCH)*	12,0 LBS (5,5 KG) (TB/TBH)* 13,49 LBS (6,1 KG) (UC/UCH)*	16,6 LBS (7,5 KG) (TB/TBH)* 18,08 LBS (8,2 KG) (UC/UCH)*
ENCLOSURE MATERIAL	Copper free aluminum alloy		
FINISH	Polyester powder coat finish		
HARDWARE AND MOUNTING	Marine grade stainless steel parts and screws		
CABLE GLANDS AND CONNECTORS	Classified for CID2 nickel plated brass M20 adapter to 3/4" with 6 feet or wire		
LENS	Military Grade UL94 V-0 rated Lexan/Tempered clear borosilicate glass		
LIGHT SOURCE	XTE CREE		
COLOR RENDITION INDEX (CRI)	> 70		
INPUT POWER (+25°C)	20 W	40 W	60 W
FIXTURE EFFICIENCY	N/A		
LED DRIVER	CUSTOM MADE, 100-280 VAC, 50/60HZ; 230-370 VDC, 15-36 VDC (LV)		
LED DRIVER PROTECTION	OVERLOAD, SHORT-CIRCUIT PROTECTION		
SURGE PROTECTION	1 KV (EXCEPT LLV)		
POWER FACTOR	> 0.95		
THD (total harmonic distortion)	<30%		
INRUSH CURRENT	15 A	30 A	45 A
AMBIENT OPERATING TEMPERATURE	-40°C TO +45°C		
T-RATING FOR (+55°C)	T5		
FIXTURE LIFE (+25°C)	70 000 HOURS (RV)* 100 000 HOURS (LV)		
FIXTURE LIFE (+55°C)	40 000 HOURS		
FIXTURE LIFE (+65°C)	N/A		
WARRANTY	5 YEARS		

* - Measurement tolerance +/- 10%

ETL/cETL CERTIFIED TO:

UL 844
UL 1598 Suitable for Wet Locations
UL 1598A Marine Outside Type
(Saltwater)
CSA C22.2 No. 250.0
CSA C22.2 No. 137
IP66 rated per IEC 60598-1 |
-40°C to +45°C

ARCUS TRF-HL LED BENEFITS:

- Instant on/no warm up
- Extreme compact size and weight
- Energy-efficient/up to 65% savings when compared to traditional HID lighting
- Improved Safety
- Operating ambient -40°C to +45°C
- 5 year warranty
- High CRI for improved visibility and clarity
- Damn near bullet proof

APPLICATION

Loading Terminals
CID2 Hazardous Locations
Energy, Gas & Oil
Manufacturing
Wastewater
Scale Houses
Intersection with in facilities

APPROVED FOR:

Class I Division 2 Groups A, B, C, D
Class I Zone 2 Group IIC
Class II Division 1 and 2 Groups E, F
Class II Zone 20, 21, or 22 Group IIB
Class III
1Ex d IIC T5 | -40°C to +45°C

ORDERING INFORMATION: PART NUMBER EXAMPLE TRF-HL-TB-SPC-RV-120-R-15W-BK

1

TRF

2

HL

3

TB

4

SPC

5

RV

6

120

7

R

8

15W

9

BK

DETAILED INFORMATION

2

FAMILY NAME
ENCLOSURE TYPE

HL

Hazardous Locations
Rated Body

3

MOUNTING

TB

Pole Mount Vertical
(Standard)

TBH

Pole Mount Horizontal

UC

Universal Mount Vertical

UCH

Universal Mount Horizontal

4

REFLECTOR (LENS)

SPC

Special Polycarbonate
lens

5

VOLTAGE

RV

120-277 V AC, 50/60 Hz

LV

24 V DC (special order)

6

SECONDARY OPTICS

120°

Full Flood (No Optics -
Standard)

7

COLOR TEMPERATURE

R

Red

RG

Red | Green

RYG

Red | Yellow | Green

8

WATTAGE

15 W

30 W

45 W

9

BODY COLOR

BK

Black (Standard)

PROJECT INFORMATION

PROJECT NAME:

LOCATION:

DESCRIPTION:

CONTACT INFORMATION:

NAME:

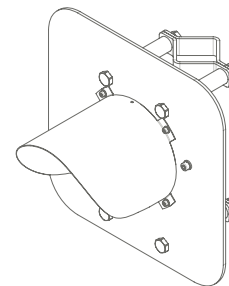
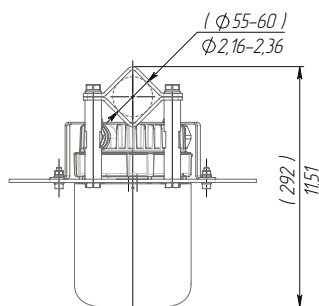
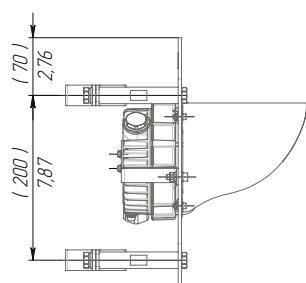
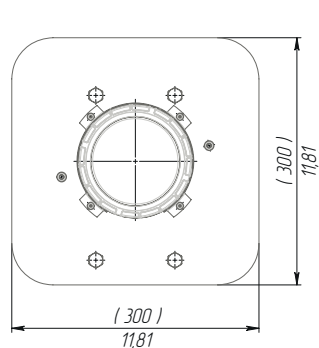
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PHONE:

DATE:

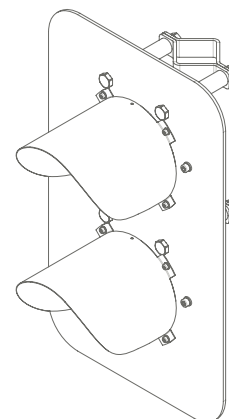
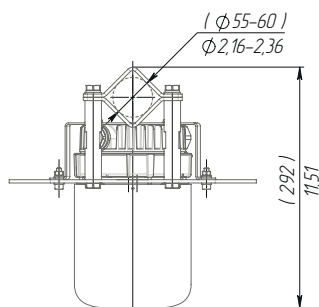
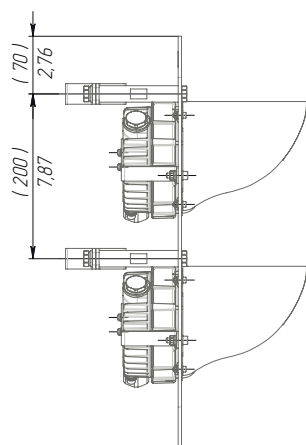
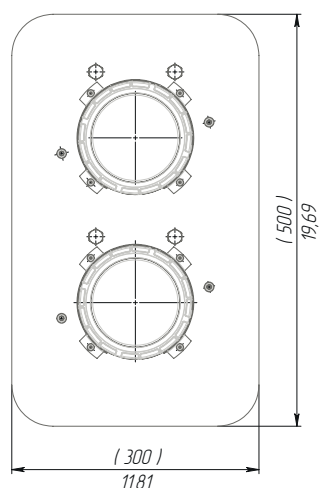
TRF-HL (TB BRACKET 15 W)

FIXTURE WEIGHT:
7,45 lb (3,4 kg)



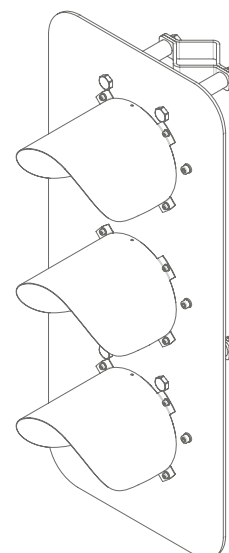
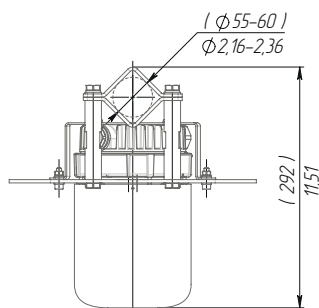
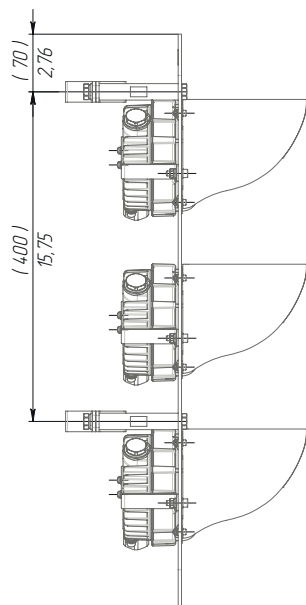
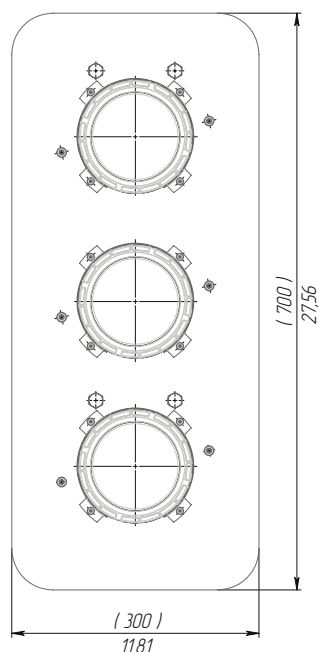
TRF-HL (TB BRACKET 30 W)

FIXTURE WEIGHT:
12,0 lb (5,5 kg)



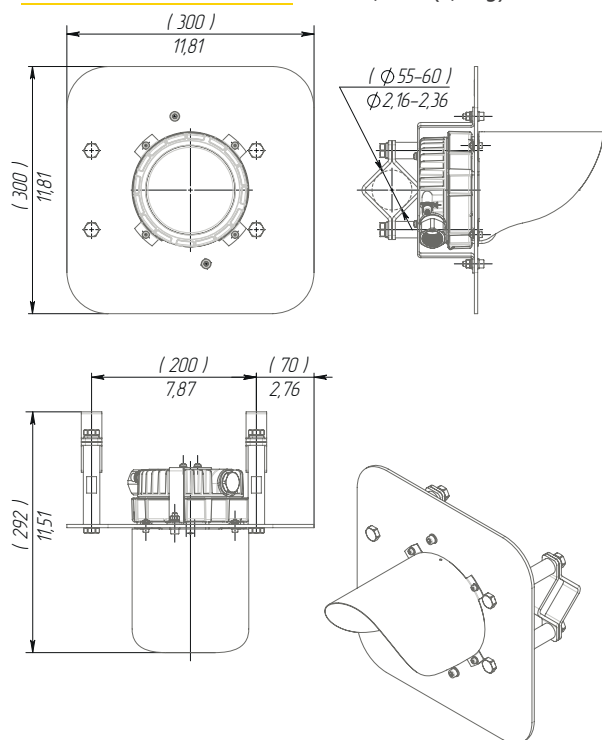
TRF-HL (TB BRACKET 45 W)

FIXTURE WEIGHT:
16,6 lb (7,5 kg)



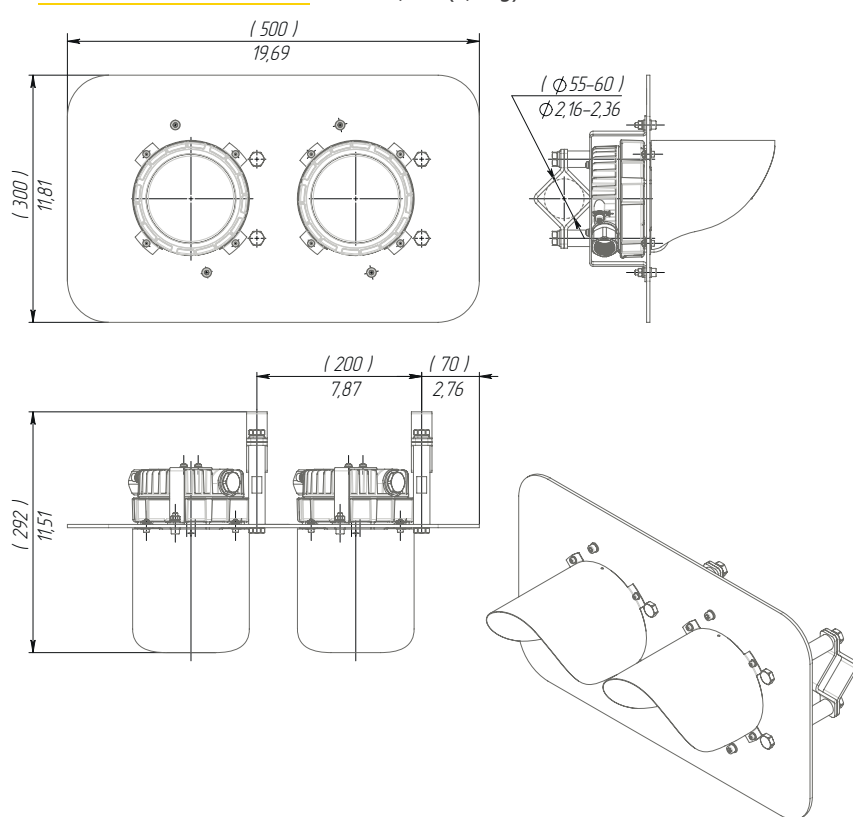
TRF-HL (TBH BRACKET 15 W)

FIXTURE WEIGHT:
7,45 lb (3,4 kg)



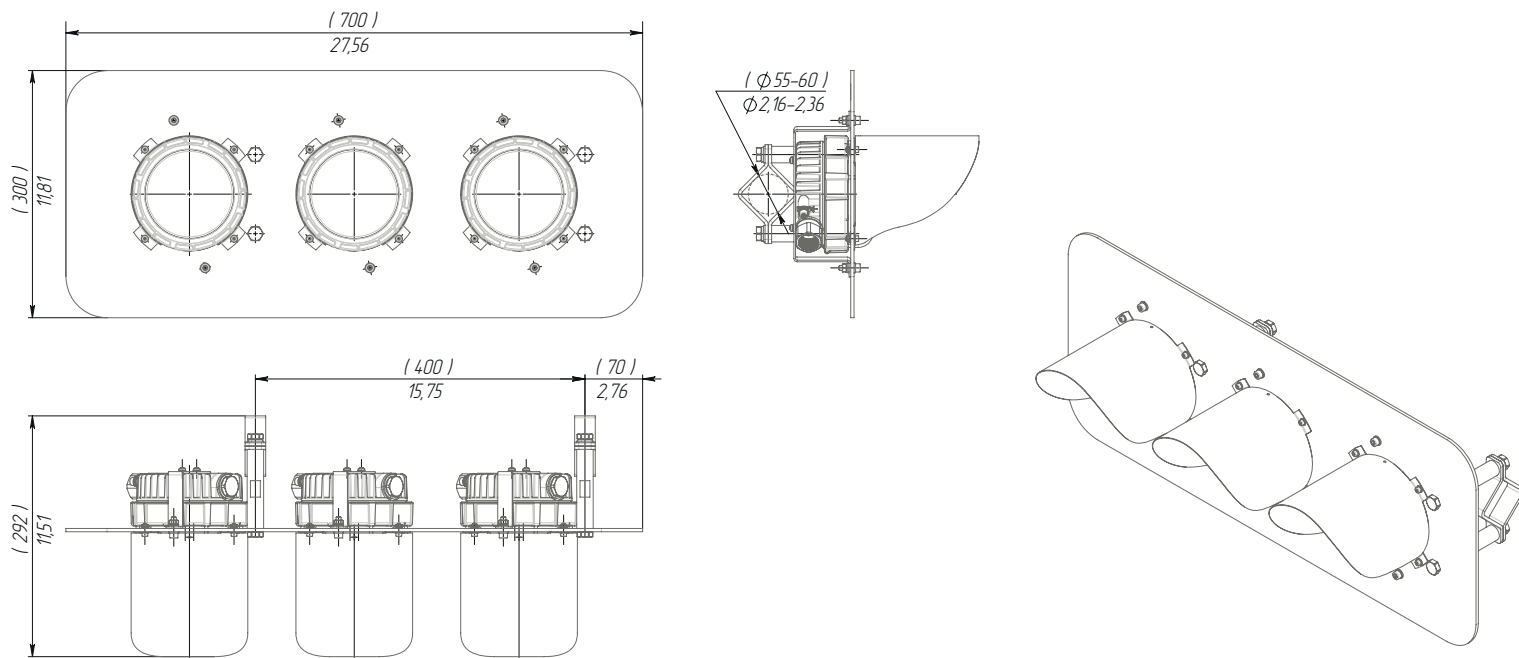
TRF-HL (TBH BRACKET 30 W)

FIXTURE WEIGHT:
12,0 lb (5,5 kg)



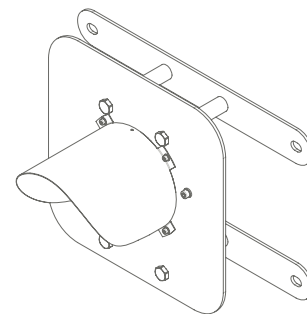
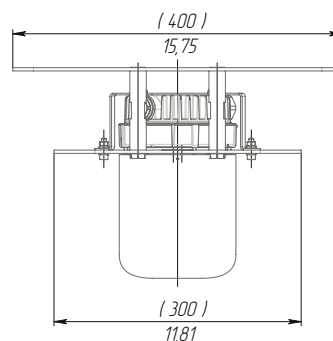
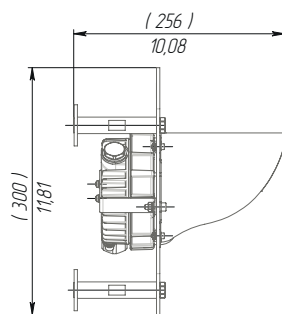
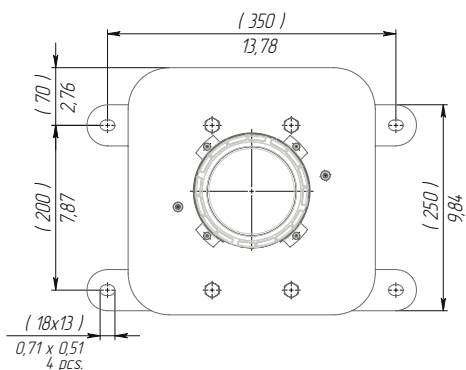
TRF-HL (TBH BRACKET 45 W)

FIXTURE WEIGHT:
16,6 lb (7,5 kg)



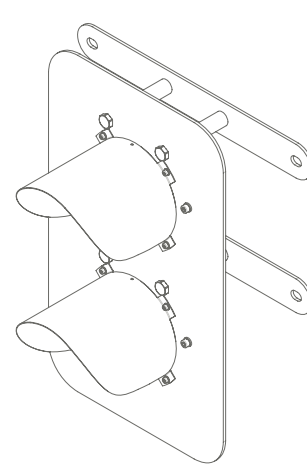
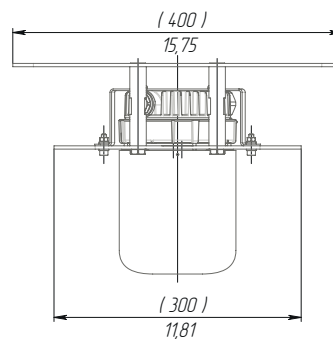
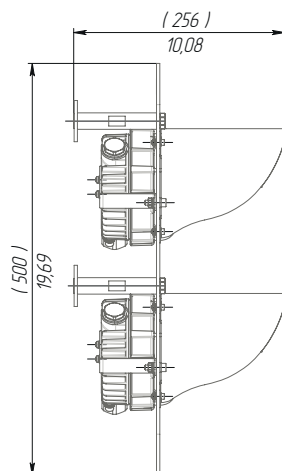
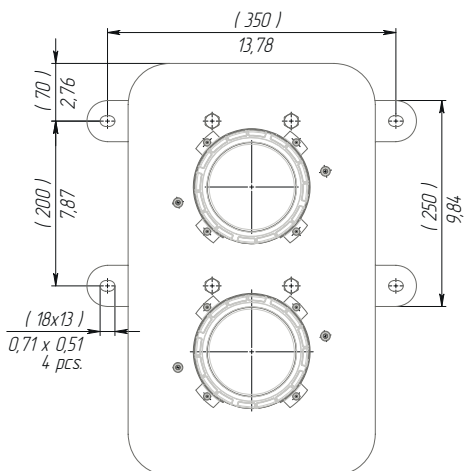
TRF-HL (UC BRACKET 15 W)

FIXTURE WEIGHT:
8,93 lb (4,1 kg)



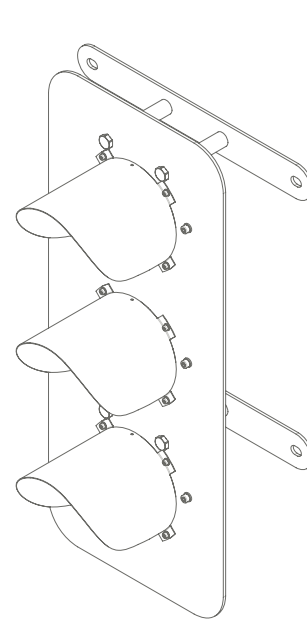
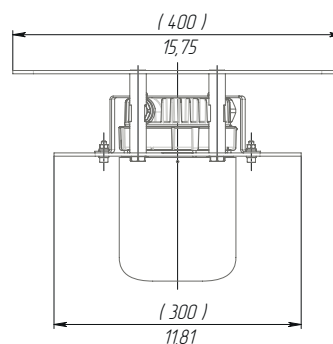
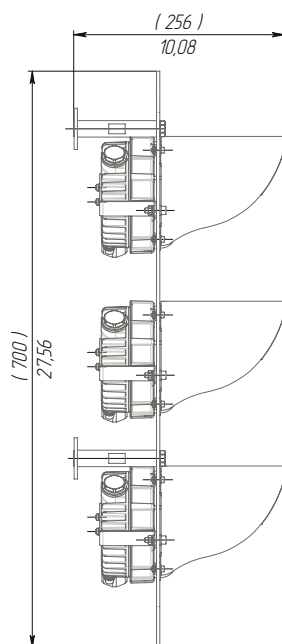
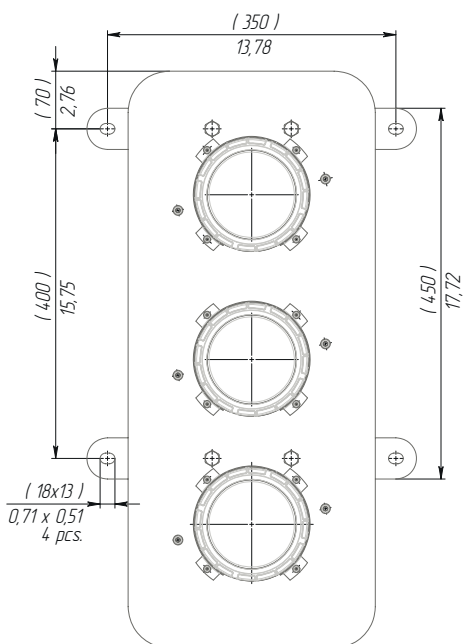
TRF-HL (UC BRACKET 30 W)

FIXTURE WEIGHT:
13,49 lb (6,1 kg)



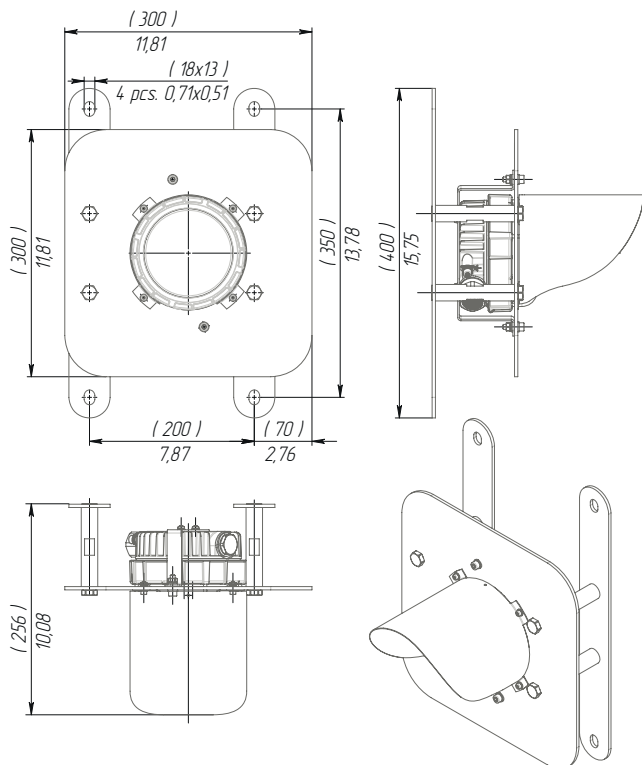
TRF-HL (UC BRACKET 45 W)

FIXTURE WEIGHT:
18,08 lb (8,2 kg)



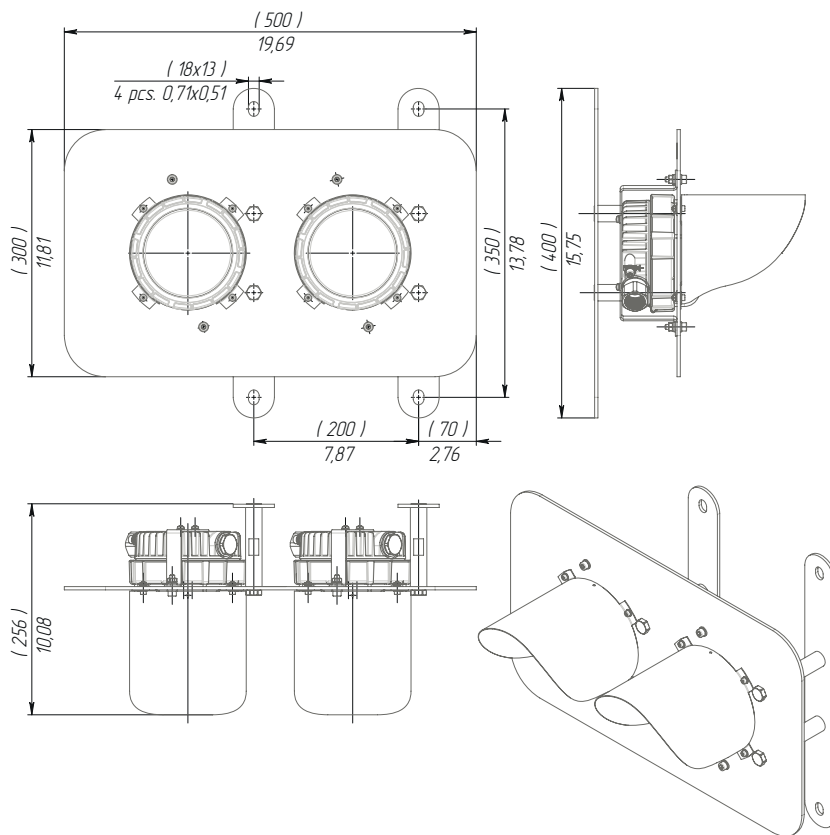
TRF-HL (UCH BRACKET 15 W)

FIXTURE WEIGHT:
8,93 lb (4,1 kg)



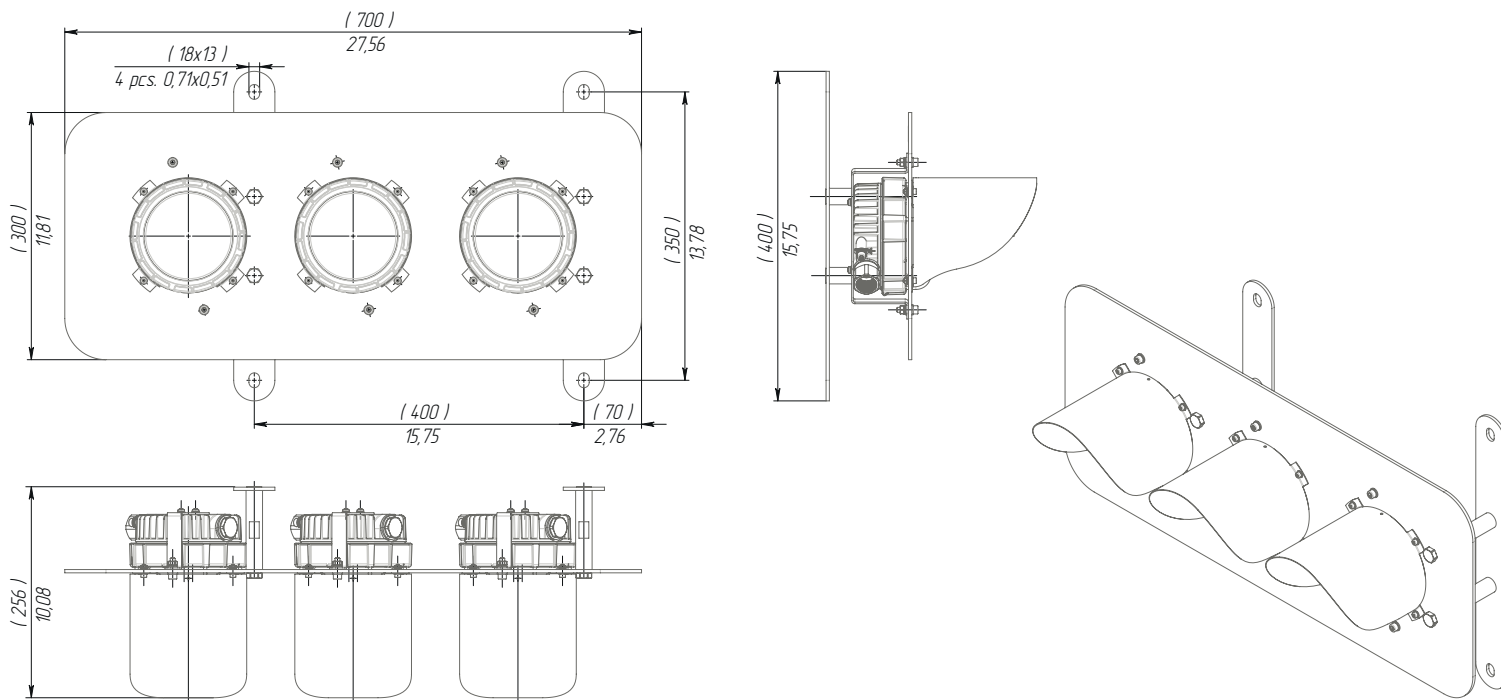
TRF-HL (UCH BRACKET 30 W)

FIXTURE WEIGHT:
13,49 lb (6,1 kg)



TRF-HL (UCH BRACKET 45 W)

FIXTURE WEIGHT:
18,08 lb (8,2 kg)





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