

Electrical Information									
Model No.	INUIA05-030	INUIA05-050	INUIA05-075	INUIA05-100	INUIA05-120	INUIA05-150	INUIA05-180	INUIA05-200	INUIA05-240
Power Consumption(±5%)	30W	50W	75W	100W	120W	150W	180W	200W	240W
Power Supply	INVENTRONICS								
Input Voltage	100-277Vac, 50 / 60 Hz								
Power Factor	>0.90								
Surge Protection	10kV line-line, 10kV line-earth								
Driver Type	Constant current (CC)								
Control	1-10V Dimmable and DALI dimmable and Non-dimmable								

Optic Information									
LED Type	LED 3030								
Luminous Flux (±10%)	4200lm	7000lm	10500lm	14000lm	16800lm	21000lm	25200lm	28000lm	33600lm
Efficacy(5000K Ra70)	140lm/W								
Correlated Color Temperature	5000K (2000K,2200K,2500K,2700K,3000K,3500K,4000K,4500K,5700K,6500K optional)/Red,Green,Blue,Amber								
Color Rendering Index	Ra70/Ra80/Ra90								
Beam Angle	Type I,Type III,Type V								
UGR Level	/								

Dimensions and Mount		
Product Dimension	See Table 1 for details	See Table 2 for details
Luminaire Net Weight(±0.3kg)	See Table 1 for details	See Table 2 for details
Export Carton Size	See Table 1 for details	See Table 2 for details
Gross Weight(±0.3kg)	See Table 1 for details	See Table 2 for details
Mounting Option	Ceiling mount/Pendant mount/Wall bracket/25° Stanchion mount/90° Stanchion mount/Trunnion mount	
Material	Aluminum alloy (less than 0.4% copper content) Polycarbonate optical lens/Tempered glass	
Finish	Powder coating	
Fixture Color	Silver (RAL9007)	
EPA	NA	
IK Rating	IK08	
IP Rating	IP66	

Lifespan and Warranty	
Operating Temperature	-40°C to + 65°C (See the below table for details)
Life Time of LED @Ta=25°C	96395 hrs-L80 153225 hrs-L70
Warranty	5 years

Certifications and Compliances		
• IECEx: Ex nR IIC T6/T5 Gc Ex tb IIIC T80°C/T95°C Db IP66	• ATEX: II 3G Ex nR IIC T6/T5 Gc II 2D Ex tb IIIC T80°C/T95°C Db IP66	• IECEx Certificate: IECEx CSAE 22.0036X ATEX Certificate (Gas): CSANe 22 ATEX 1059X ATEX Certificate (Dust): CSANe 22 ATEX 1079X

SPECIFIC CONDITIONS OF USE:

- The INUIA05 series LED luminaires for Hazardous Locations shall be mounted only in accordance with manufacturer's instructions.
- The aluminium enclosures with a non-metallic coating featuring a non-conducting powder coat may generate an ignition-capable level of electrostatic charges under certain extreme conditions. The user should ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build-up of electrostatic charges on non-conducting surfaces. Additionally, cleaning of the equipment should be done with a damp cloth.
- All cable entry holes shall be fitted of either suitably approved cable glands or suitably approved stopping plugs that is suitable for the application.
- As part of the re-lamping procedure the gaskets are to be checked and replaced if found to be degraded.
- Clean the luminaire regularly to prevent dust accumulation.
- Under rated conditions, the cable entry point could reach a temperature exceeding 70°C and the branching point could reach a temperature of 80°C; this shall be considered when installing cable glands and only cables that have temperature rating 90°C shall be used.

Description

INUIA05 is a certified explosion-proof light, which is suitable for gas Zone 2 (international and European explosion-proof "Zone 2") and dust Zone 21 (International and European explosion-proof "Zone 21"). It has superior waterproof, dust-proof, anti-corrosion, anti-vibration performance, an ideal solution for all types of harsh and hazardous applications.

Key Features

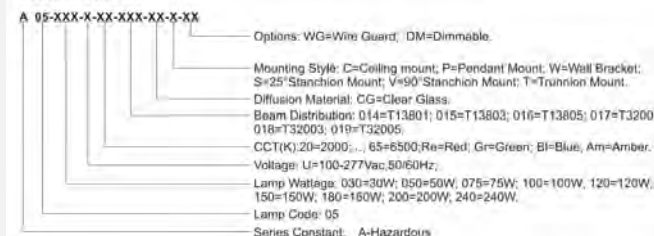
- Power range 30W/50W/75W/100W/120W/150W/180W/200W/240W, system efficacy up to 140lm/w, lumen packages from 4200lm to 33600lm.
- Warm White-Cool White color(2000K-6500K) and colored LED R/G/B/AMBER optional.
- 1-10V dimmable and DALI control optional.
- Type I, Type III, Type V light distributions to meet various different applications.
- LED chips are separated from the driver cavity, ensures good heat dissipation and longer service life.
- Multiple mounting ways including Ceiling mount, Pendant mount, Wall bracket, 25° Stanchion mount, 90° Stanchion mount, Trunnion mount to satisfy different installation requirements.
- Ceiling mount, bracket mount and wall mount are equipped with multiple conduit holes(cable entry holes), which can realize the interconnection of fixtures, greatly facilitates on-site installation and wiring.
- Easy wiring with self-locking spring terminals.
- Cover on driverbox is designed anti-dislodging.
- The body adopts special design, avoid water being accumulated, easy clean and well heat performance.
- Well sealed with special structure and materials.
- IP66 and IK08 double protection, with super reliability.
- The max.operating ambient temperature range:-40°C to 65°C.
- Equipped with low copper aluminum alloy body and special powder coating, as well as stainless steel components with special anti-corrosion treatment, all those anti-corrosion aspects make it suitable for marine environments for over 10 years.

Applications

- Oil and gas refineries.
- Drilling rigs.
- Petrochemical facilities.
- Food and beverage facilities.
- Indoor/outdoor spotlighting, outdoor wall and stanchion mounted general area lighting.
- Where flammable vapors, gases, ignitable dusts, fibers or flyings are present.

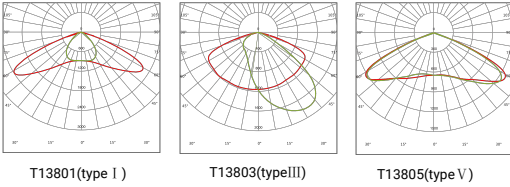
Item	Product model	Input Voltage	Input Current	Rated Power	Temp.	Temperature class	
						Gas(°Rf)	Maximum surface temperature Dust(°Rf)
1	A05-030 series	100-277Vac	0.11-0.3A	30W	-40°C to +65°C	T5	95°C
	A05-050 series		0.18-0.5A	50W		T6	80°C
2	A05-075 series	100-277Vac	0.27-0.75A	75W	-40°C to +60°C	T5	95°C
	A05-100 series		0.27-1A	100W		T6	80°C
3	A05-120 series	100-277Vac	0.43-1.2A	120W	-40°C to +65°C	T5	95°C
				150W		T6	80°C
4	A05-150 series	100-277Vac	0.54-1.5A	150W	-40°C to +55°C	T6	80°C
	A05-180 series		0.65-1.8A	180W		T5	95°C
5	A05-200 series	100-277Vac	0.73-2A	200W	-40°C to +40°C	T6	80°C
	A05-240 series		0.87-2.4A	240W			

Model description

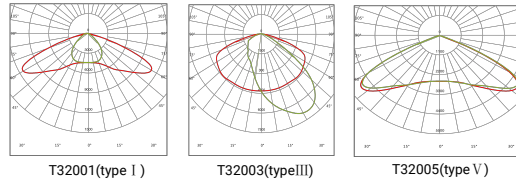


Photometry

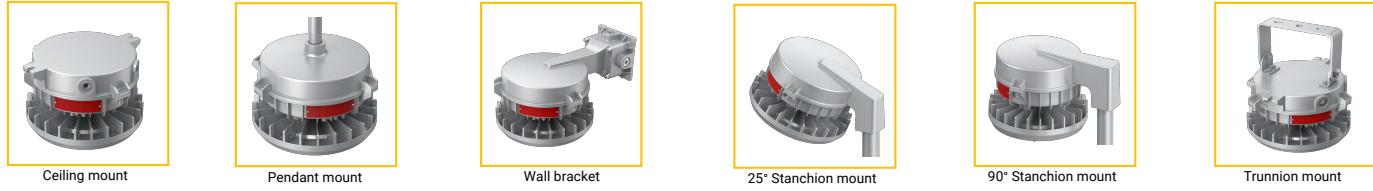
30W-100W



120W-240W



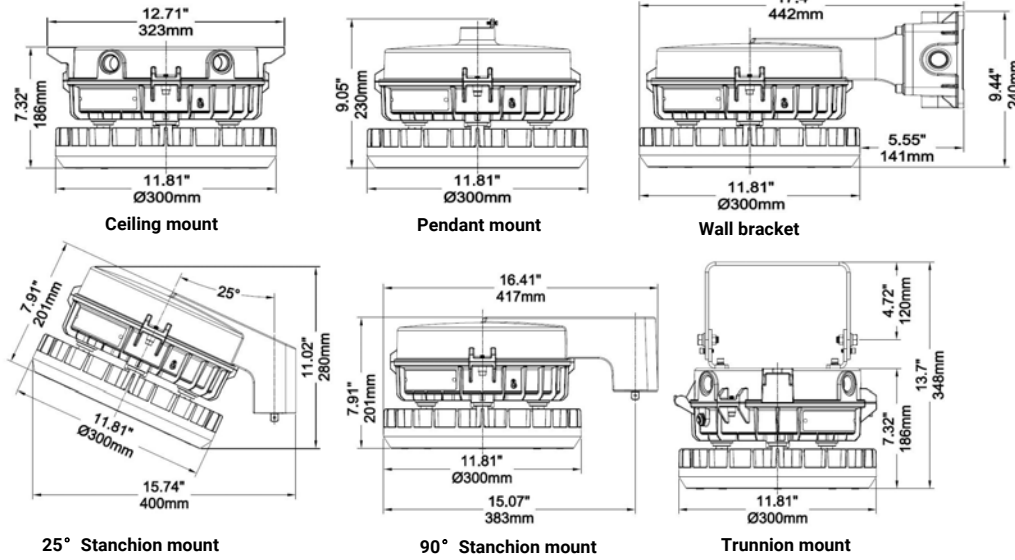
Mounting Options



Dimensions

Unit: mm/inch

30W/50W/75W/100W



120W/150W/180W/200W/240W

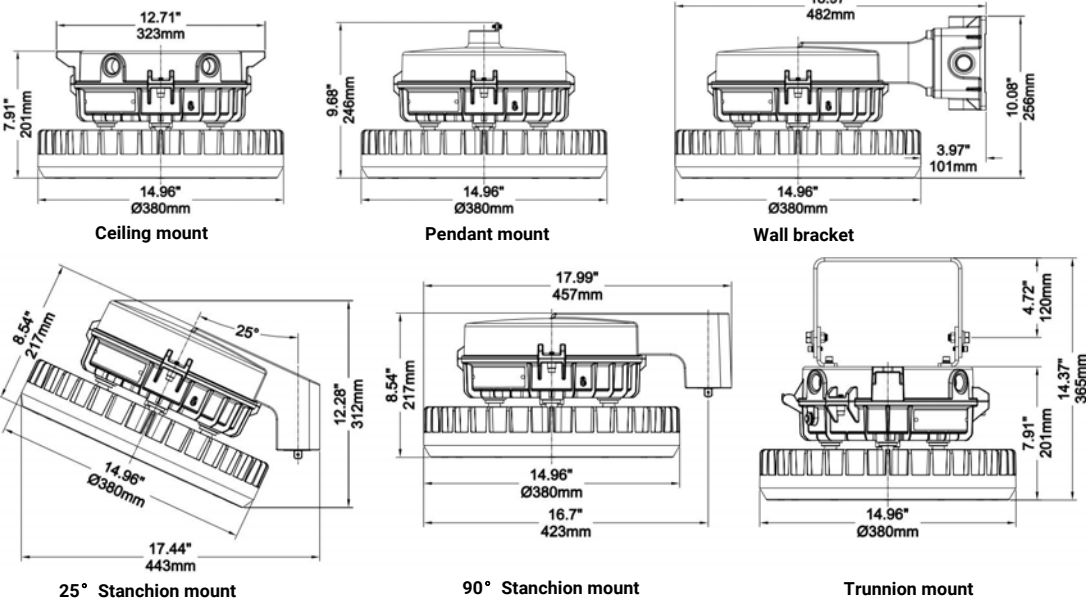


Table 1(30W-100W)

Mounting	Product dimension	Export carton size	Luminaire net weight(±0.3kg)	Gross weight (±0.3kg)
Ceiling mount	Φ300x186mm (11.81"x7.32")	360x360x335mm (14.17"x14.17"x13.19")	6.5±0.3kg (14.33±0.66Lbs)	7.5±0.3kg (16.53±0.66Lbs)
Pendant mount	Φ300x230mm (11.81"x9.05")		6.1±0.3kg (13.45±0.66Lbs)	7.1±0.3kg (15.65±0.66Lbs)
Trunnion mount	Φ300x348mm (11.81"x13.7")		8.1±0.3kg (17.86±0.66Lbs)	9.1±0.3kg (20.06±0.66Lbs)
25° Stanchion mount	400xΦ300x280mm (15.74"x11.81"x11.02")	530x360x305mm (20.86"x14.17"x12.00")	7.6±0.3kg (16.76±0.66Lbs)	8.6±0.3kg (18.96±0.66Lbs)
90° Stanchion mount	417xΦ300x201mm (16.41"x11.81"x7.91")		7.8±0.3kg (17.20±0.66Lbs)	8.8kg±0.3kg (19.40±0.66Lbs)
Wall bracket	Φ300x442mm (11.81"x17.4")		8.5±0.3kg (18.74±0.66Lbs)	9.5±0.3kg (20.94±0.66Lbs)

Table 2(120W-240W)

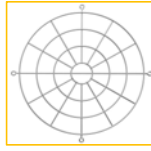
Mounting	Product dimension	Export carton size	Luminaire net weight(±0.3kg)	Gross weight (±0.3kg)
Ceiling mount	Φ380x201mm (14.96"x7.91")	470x470x350mm (18.50"x18.50"x13.78")	9.7±0.3kg (21.38±0.66Lbs)	11.4±0.3kg (25.13±0.66Lbs)
Pendant mount	Φ380x246mm (14.96"x9.68")		9.4±0.3kg (20.72±0.66Lbs)	11.1±0.3kg (24.47±0.66Lbs)
Trunnion mount	Φ380x365mm (14.96"x14.37")		11.3±0.3kg (24.91±0.66Lbs)	13.0±0.3kg (28.66±0.66Lbs)
25° Stanchion mount	443xΦ380x312mm (17.44"x14.96"x12.28")	570x460x320mm (22.44"x18.11"x12.59")	10.8±0.3kg (23.80±0.66Lbs)	12.5±0.3kg (27.56±0.66Lbs)
90° Stanchion mount	457xΦ380x217mm (17.99"x14.96"x8.54")		11.1±0.3kg (24.47±0.66Lbs)	12.8±0.3kg (28.22±0.66Lbs)
Wall bracket	482xΦ380x256mm (18.97"x14.96"x10.08")		11.7±0.3kg (25.79±0.66Lbs)	13.4±0.3kg (29.54±0.66Lbs)



Wire Guard

Wire Guard 235x235x6mm
Surface Treatment: Nickel Plating
Color: Nickel Color
Material: SUS304

Code: BC-INUIA05-01(30W-100W)



Wire Guard

Wire Guard 319x319x6mm
Surface Treatment: Nickel Plating
Color: Nickel Color
Material: SUS304

Code: BC-INUIA05-02(120W-240W)