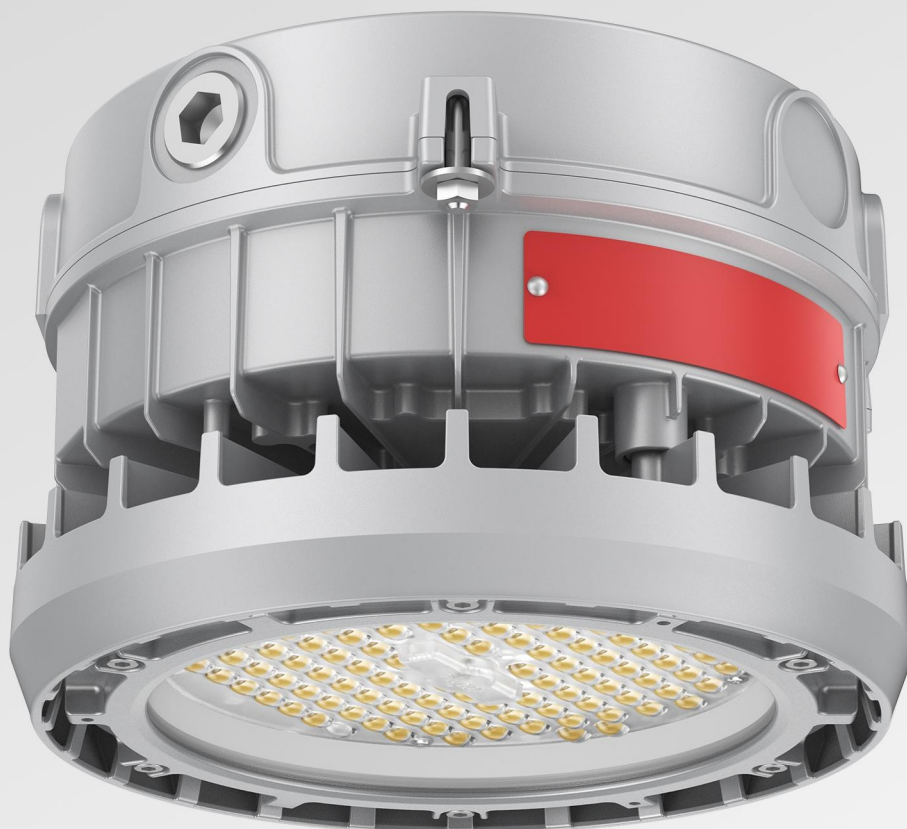




LED LUMINAIRES FOR HAZARDOUS LOCATIONS

HA10

Conqueror mini

Low Bay / Jelly Jar



◆ Certificates

IECEX:

Ex nR IIC T6/T5 Gc

Ex tb IIIC T80/T95°C Db IP66



ATEX:

Ex II 3G Ex nR IIC T6/T5 Gc

Ex II 2D Ex tb IIIC T80/T95°C Db IP66



◆ Ratings

Zone 2

Zone 21/22

IP66

◆ Features

- Compact & Lightweight
5.5 kg for easy handling and low shipping costs.
- Adjustable Output
40%/70%/100% dimming reduces SKUs.
- High Efficiency
160 lm/W for maximum savings.
- Quick Installation
Hook-integrated cover for easy mounting.
- Emergency Backup
90 mins @12W or 3 hrs @6W (safety-compliant).

◆ Application

- Oil, Gas, and Petrochemical
- Generator Factory
- Foundries
- Papermaking factory
- Dock and Platform
- Heavy Industrial Warehouse
- Equipment Processing Factory
- Chemical Plant

GENERAL INFORMATION

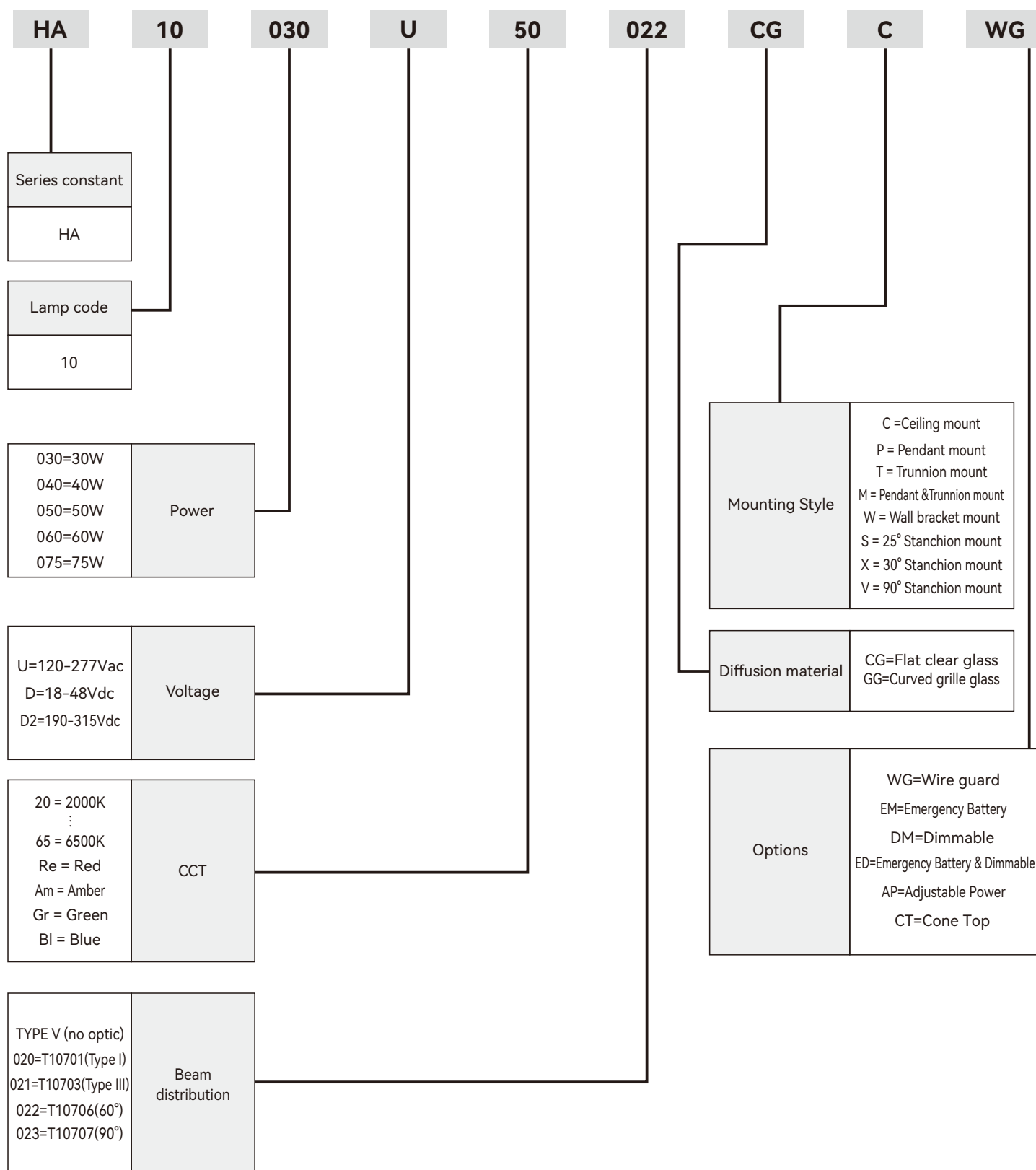
Housing materials	Copper-free (< 0.4%) aluminum
Housing finish	Powder coating
Optic materials	Flat glass: Tempered glass Curved grille glass: Borosilicate glass
Fixture color	Grey
Power selection DIP switch	Only available for 50W and 75W models
Emergency Run Time	12W: 90mins / 6W: 3 hrs
Emergency battery	LiFePO4
Emergency Charge Time	24 hrs
Emergency Luminous	2200lm/1100lm
Light source SDCM	<5
Impact resistance	IK08 (Flat glass)
Ingress protection	IP66
Category of corrosion	C4 (ISO 9223:2012)
Control	1-10V&0-10V (Only for 120-277Vac)
Power factor(at full load)	>0.95
THD	<20%
Surge protection	10kV
Color rendering index	Standard:Ra70 ; Optional: Ra80
Color temperature	Standard: 4000K/5000K
Beam angle	T00A11 (120°Curved grille glass) / T00A10 (Type V no optic) / T10701 (Type I 146°x93°) / T10703 (Type III 134°x74° Tilt46°) / T10706 (60°) / T10707 (90°)
Cable entry	Ceiling mount / Trunnion mount: 1/2"NPT, 3/4"NPT, M25x1.5, M20x1.5 Cable entry: 2pcs
	Wall bracket mount: 1/2"NPT, 3/4"NPT, 1"NPT, M25x1.5, M20x1.5 Cable entry: 4pcs
	Pendant / Pendant & Trunnion mount: 1/2"NPT, 3/4"NPT, 1"NPT, M25x1.5, M20x1.5 Cable entry: 3pcs
	25° Stanchion mount / 30° Stanchion mount / 90° Stanchion mount: 1-1/4"NPT, 1-1/2"NPT Cable entry: 1pc
Lifespan of LED @Ta=25°C (hrs)	48,000-L90B50
	102,300-L80B50
	164,000-L70B50
Warranty (years)	Standard Warranty: 5 Years Battery: 3 Years

- Standard version without cable gland. If need, please order separately

MODEL DESCRIPTION

EXAMPLE: HA10-030-U-50-022-CG-C-WG

HA10 / 30W / 120-277VAC / 5000K / T10706(60°) / Flat clear glass / Ceiling mount / Wire guard



Lumen Table (Type V, Flat glass)

Part Number	Input Voltage	Wattage	Lumen (Standard) ±10%	Lumen (High Efficiency) ±10%	CCT, CRI	Beam Angle
HA10-030-U-50-000-CG-*	120-277Vac	30 W	4500 Lm	4800 Lm	5000K, Ra70	Type V
HA10-040-U-50-000-CG-*	120-277Vac	40 W	6000 Lm	6400 Lm	5000K, Ra70	
HA10-050-U-50-000-CG-*	120-277Vac	50 W	7500 Lm	8000 Lm	5000K, Ra70	
HA10-060-U-50-000-CG-*	120-277Vac	60 W	9000 Lm	9600 Lm	5000K, Ra70	
HA10-075-U-50-000-CG-*	120-277Vac	75 W	10500 Lm	12000 Lm	5000K, Ra70	
HA10-050-U-50-000-CG-*-AP	120-277Vac	50W power adjustable (20w/35w/50W)	3000/5220/7500Lm	3200/5600/8000Lm	5000K, Ra70	
HA10-075-U-50-000-CG-*-AP	120-277Vac	75W power adjustable (30w/53w/75w)	4500/7420/10500Lm	4800/8480/12000Lm	5000K, Ra70	

Lumen Table (Type I/Type III , Flat glass)

Part Number	Input Voltage	Wattage	Lumen ±10%	CCT, CRI	Beam Angle
HA10-030-U-50-020-CG-*	120-277Vac	30 W	4500 Lm	5000K, Ra70	Type I
HA10-030-U-50-021-CG-*	120-277Vac		4200 Lm	5000K, Ra70	Type III
HA10-040-U-50-020-CG-*	120-277Vac	40 W	5600 Lm	5000K, Ra70	Type I
HA10-040-U-50-021-CG-*	120-277Vac		5600 Lm	5000K, Ra70	Type III
HA10-050-U-50-020-CG-*	120-277Vac	50 W	7000 Lm	5000K, Ra70	Type I
HA10-050-U-50-021-CG-*	120-277Vac		7000 Lm	5000K, Ra70	Type III
HA10-060-U-50-020-CG-*	120-277Vac	60 W	8400 Lm	5000K, Ra70	Type I
HA10-060-U-50-021-CG-*	120-277Vac		8400 Lm	5000K, Ra70	Type III
HA10-075-U-50-020-CG-*	120-277Vac	75 W	9750 Lm	5000K, Ra70	Type I
HA10-075-U-50-021-CG-*	120-277Vac		9750 Lm	5000K, Ra70	Type III
HA10-050-U-50-020-CG-*-AP	120-277Vac	50W power adjustable (20W/35W/50W)	3000/4900/7000Lm	5000K, Ra70	Type I
HA10-050-U-50-021-CG-*-AP	120-277Vac		2800/4900/7000Lm	5000K, Ra70	Type III
HA10-075-U-50-020-CG-*-AP	120-277Vac	75W power adjustable (30W/53W/75w)	4500/7420/9750Lm	5000K, Ra70	Type I
HA10-075-U-50-021-CG-*-AP	120-277Vac		4200/7420/9750Lm	5000K, Ra70	Type III

Lumen Table (60°/90°, Flat glass)

Part Number	Input Voltage	Wattage	Lumen ±10%	CCT, CRI	Beam Angle
HA10-030-U-50-022-CG-*	120-277Vac	30 W	4800 Lm	5000K, Ra70	60°
HA10-030-U-50-023-CG-*	120-277Vac		4800 Lm	5000K, Ra70	90°
HA10-040-U-50-022-CG-*	120-277Vac	40 W	6400 Lm	5000K, Ra70	60°
HA10-040-U-50-023-CG-*	120-277Vac		6400 Lm	5000K, Ra70	90°
HA10-050-U-50-022-CG-*	120-277Vac	50 W	7500 Lm	5000K, Ra70	60°
HA10-050-U-50-023-CG-*	120-277Vac		7500 Lm	5000K, Ra70	90°
HA10-060-U-50-022-CG-*	120-277Vac	60 W	9000 Lm	5000K, Ra70	60°
HA10-060-U-50-023-CG-*	120-277Vac		9000 Lm	5000K, Ra70	90°
HA10-075-U-50-022-CG-*	120-277Vac	75 W	10500 Lm	5000K, Ra70	60°
HA10-075-U-50-023-CG-*	120-277Vac		11250 Lm	5000K, Ra70	90°
HA10-050-U-50-022-CG-*-AP	120-277Vac	50W power adjustable (20W/35W/50W)	3200/5600/7500Lm	5000K, Ra70	60°
HA10-050-U-50-023-CG-*-AP	120-277Vac		3200/5600/7500Lm	5000K, Ra70	90°
HA10-075-U-50-022-CG-*-AP	120-277Vac	75W power adjustable (30W/53W/75w)	4500/7950/10500Lm	5000K, Ra70	60°
HA10-075-U-50-023-CG-*-AP	120-277Vac		4800/7950/11250Lm	5000K, Ra70	90°

Lumen Table (Curved grille glass+Wire guard)

Part Number	Input Voltage	Wattage	Lumen (Standard) ±10%	Lumen (High Efficiency) ±10%	CCT, CRI	Beam Angle
HA10-030-U-50-000-GG-*-WG	120-277Vac	30 W	3300 Lm	3600 Lm	5000K, Ra70	128°
HA10-040-U-50-000-GG-*-WG	120-277Vac	40 W	4400 Lm	4800 Lm	5000K, Ra70	128°
HA10-050-U-50-000-GG-*-WG	120-277Vac	50 W	5500 Lm	6000 Lm	5000K, Ra70	128°
HA10-060-U-50-000-GG-*-WG	120-277Vac	60 W	6600 Lm	7200 Lm	5000K, Ra70	128°
HA10-075-U-50-000-GG-*-WG	120-277Vac	75 W	7500 Lm	8250 Lm	5000K, Ra70	128°
HA10-050-U-50-000-GG-*-WG-AP	120-277Vac	50W power adjustable (20W/35W/50W)	2200/3850/5500Lm	2400/4200/6000Lm	5000K, Ra70	128°
HA10-075-U-50-000-GG-*-WG-AP	120-277Vac	75W power adjustable (30W/53W/75w)	3300/5830/7500Lm	3600/6360/8250Lm	5000K, Ra70	128°

“*” in part number means the mounting options

TEMPERATURE CLASS AND WORKING TEMPERATURE

Single Power Version

Product model	Input voltage	Rated power	Working temperature	Temperature class	Maximum surface temperature
				Gas("nR")	Dust("tb")
HA10-030 series	U: 120-277Vac D: 18-48Vdc D2: 190-315Vdc	30W	-40°C to +65°C	T5	95°C
HA10-040 series		40W			
HA10-050 series		50W			
HA10-060 series		60W	-40°C to +60°C		
HA10-075 series		75W			

Single Power + Emergency Version

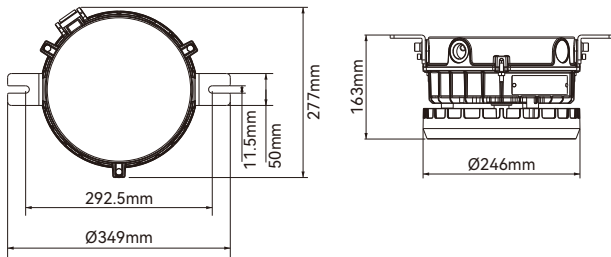
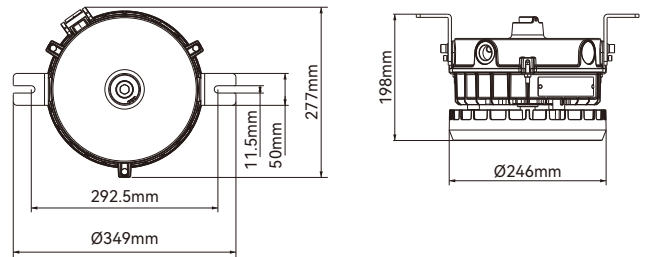
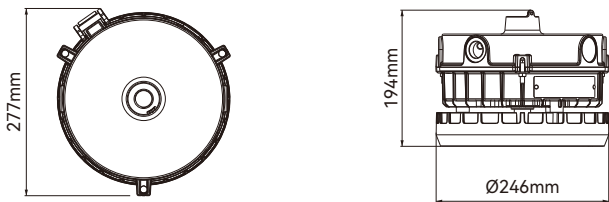
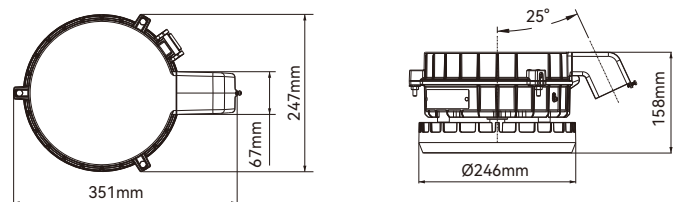
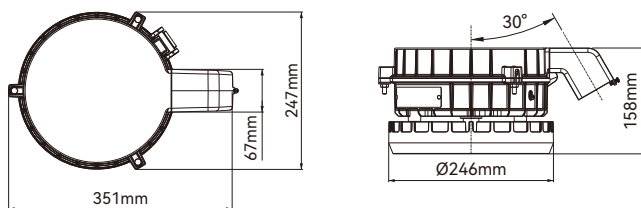
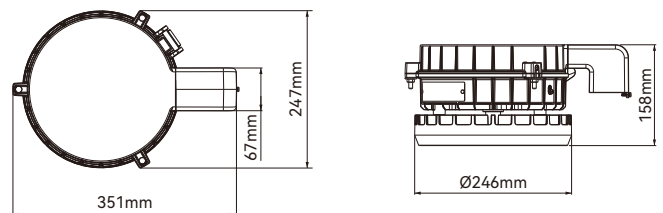
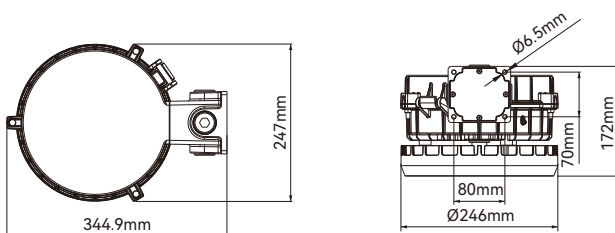
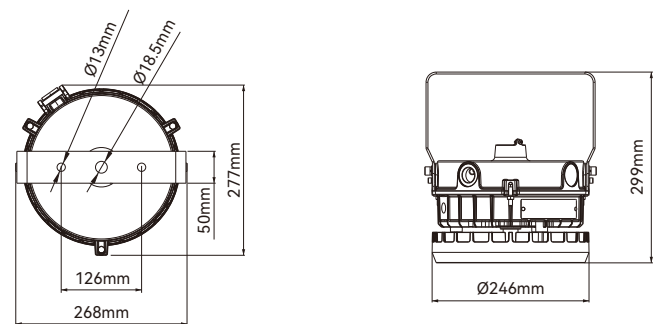
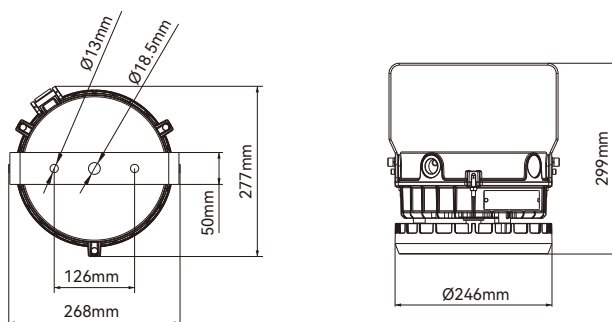
Product model	Input voltage	Rated power	Working temperature	Temperature class	Maximum surface temperature
				Gas("nR")	Dust("tb")
HA10-030 EM series	120-277Vac	30W	0°C to +50°C	T6	80°C
HA10-040 EM series		40W			
HA10-050 EM series		50W			
HA10-060 EM series		60W		T5	95°C
HA10-075 EM series		75W			

Power Adjustable Version

Product model	Input voltage	Rated power	Working temperature	Temperature class	Maximum surface temperature
				Gas("nR")	Dust("tb")
HA10-050 AP series	120-277Vac	20W/35W/50W	-40°C to +65°C	T6	80°C
HA10-075 AP series		30W/53W			
		75W	-40°C to +60°C		

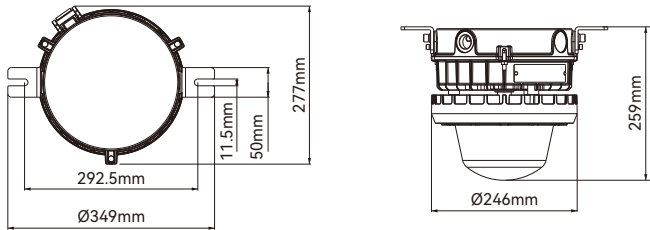
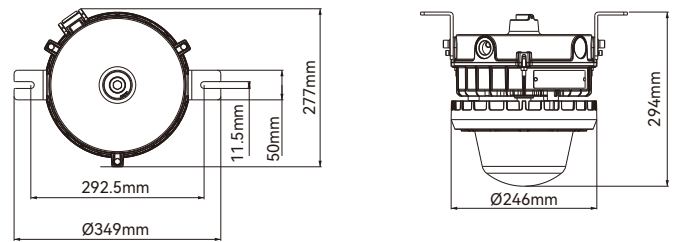
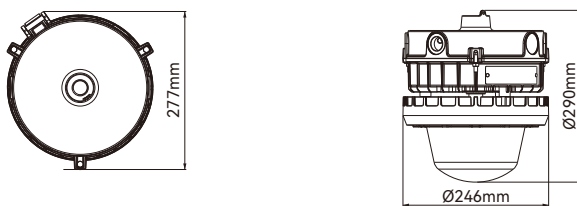
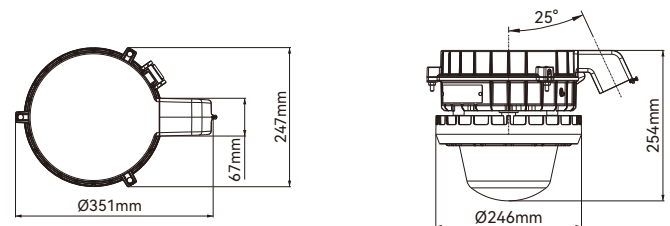
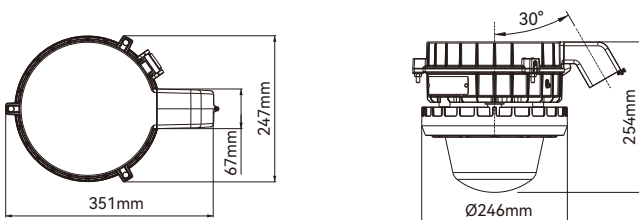
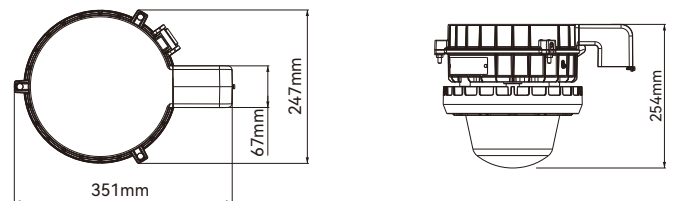
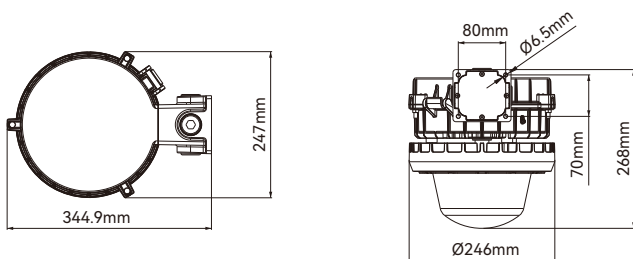
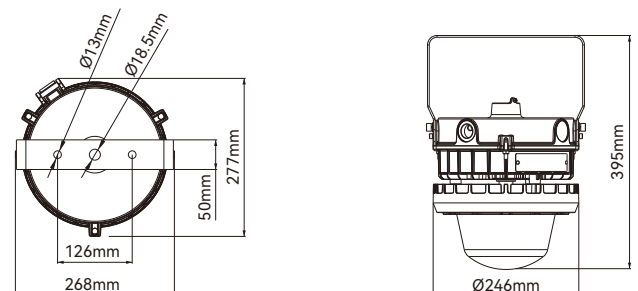
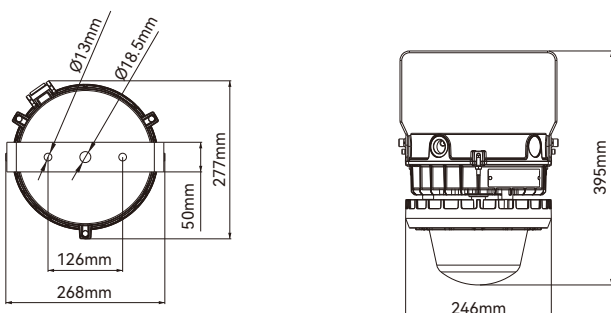
Power Adjustable + Emergency Version

Product model	Input voltage	Rated power	Working temperature	Temperature class	Maximum surface temperature
				Gas("nR")	Dust("tb")
HA10-050 AP EM series	120-277Vac	20W/35W/50W	0°C to +50°C	T6	80°C
HA10-075 AP EM series		30W/53W			
		75W		T5	95°C

MEASUREMENT(Flat clear glass)
Ceiling Mount

Ceiling & Pendant Mount

Pendant Mount

25°Stanchion Mount

30°Stanchion Mount

90°Stanchion Mount

Wall Bracket Mount

Pendant & Trunnion Mount

Trunnion Mount

Flat glass

	N.W(kg)/PC	G.W(kg)/PC	Carton size (mm)
Ceiling mount	4.2	5.1	370x310x235
Ceiling & Pendant mount			
Pendant mount	3.9	4.6	310x310x235
Trunnion mount	4.4	5.3	370x310x235
Pendant & Trunnion mount			380x310x205
Wall Bracket mount	4	4.8	380x310x185
25°Stanchion mount			
30°/90°Stanchion mount	4.1	4.9	

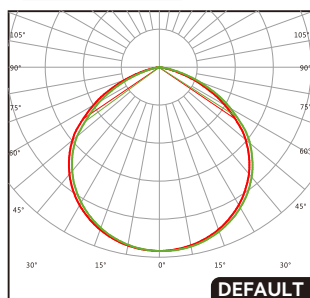
MEASUREMENT(Curved grille glass)

Ceiling Mount

Ceiling & Pendant Mount

Pendant Mount

25°Stanchion Mount

30°Stanchion Mount

90°Stanchion Mount

Wall Bracket Mount

Pendant & Trunnion Mount

Trunnion Mount

Curved grille glass

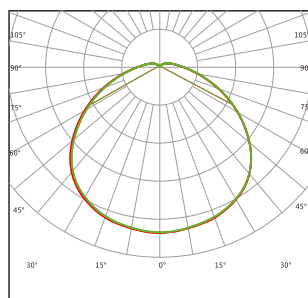
	N.W(kg)/PC	G.W(kg)/PC	Carton size (mm)
Ceiling mount	5.4	6.5	370x310x340
Ceiling & Pendant mount			
Pendant mount	5.1	6.2	310x310x340
Trunnion mount	5.6	6.7	370x310x340
Pendant & Trunnion mount			380x310x310
Wall Bracket mount	5.3	6.1	380x310x290
25°Stanchion mount			
30°/90°Stanchion mount	5.4	6.2	

OPTICS

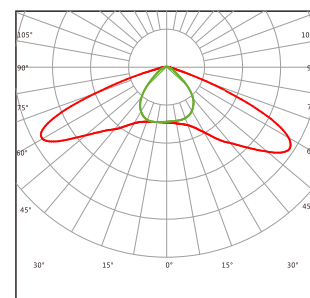
RECOMMENDED



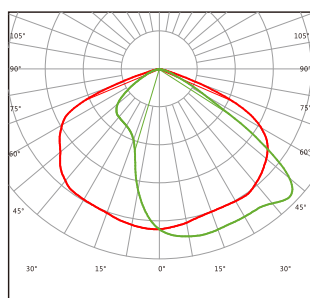
Symmetrical 120° (Flat clear glass)
T00A10



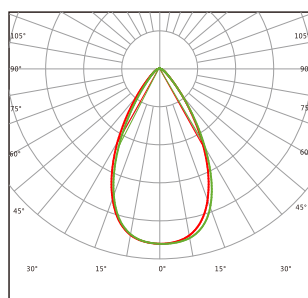
Symmetrical 120° (Curved grille glass)
T00A11



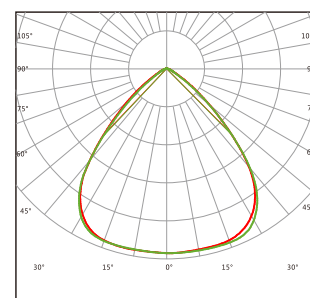
146°×93° Type I T10701



134°×74° Tilt46° Type III T10703



Symmetrical 60° T10706



Symmetrical 90° T10707

Accessories (ordered separately)

Picture	Model	Description
	AD-HA10-01	Cone top for dustproof, aluminum alloy
	BC-HA10-01	Wire guard for flat glass, SUS304
	BC-HA10-02	Wire guard for curved grille glass, SUS304
	SL-HA10-01	Safety Cable Kit, SUS304

Accessories	Cone top	Wire guard (suitable for flat glass)	Wire guard (suitable for curved glass)	Safety cable
Product weight(kg) ±6%	0.21	0.09	0.17	0.07
Quantity in one Carton	8	80	20	100
Carton Size (cm)	53x53x29.5	45x42x46.5	45x43x27	31.5x31.5x24
Package weight(kg) ±6%	5.264	10.73	5.425	9.518

MOUNTING OPTIONS OVERVIEW

HA10 MOUNTING OPTIONS OVERVIEW



Cover A



Cover B



Cover C



Cover A



Cover B



Trunnion bracket



Ceiling bracket



Cone top



Ceiling Bracket



Trunnion bracket



Trunnion mount



Ceiling mount



Pendant mount
with cone top

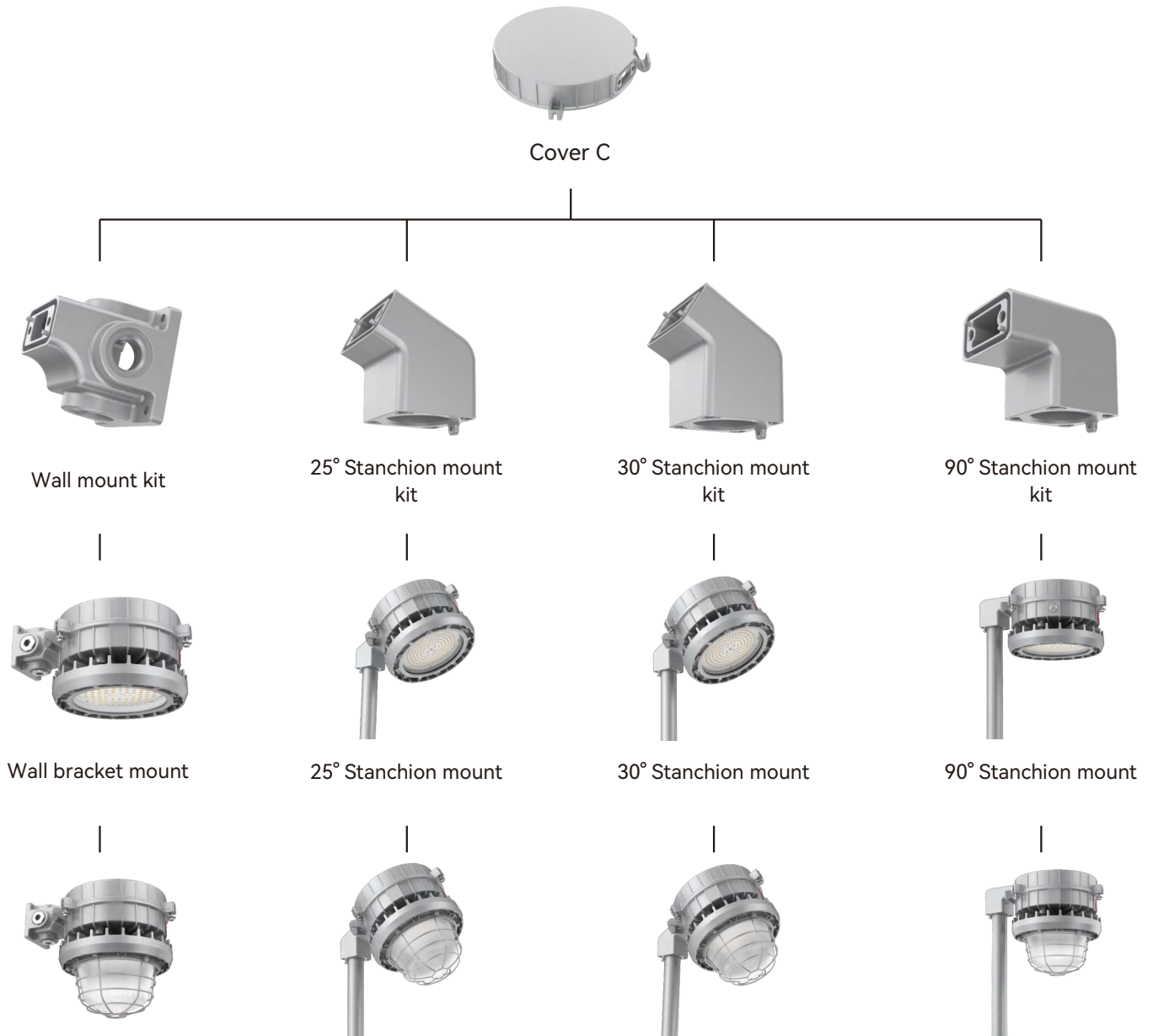


Ceiling Bracket



Trunnion bracket





MOUNTING OPTIONS



LIGHT YOUR WAY

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