



LED Explosion Proof Light

ATEX & IECEx Certified LED Floodlight/bay light
High bay light in Hazardous Area.
Seal-B Series

⚠ II 3 G Ex ec IIC T4/T5 Gc

⚠ II 3 D Ex tc IIIC T115°C/105°C/T95°C Dc IP66





Features And Benefits:

- High efficacy LED Source with long lifespan, L70 > 100,000 hours @ 25°C ambient
- 5-year performance warranty
- Low THD around 10%, Less interference
- 4KV/Line-Line 6KV/Line-Earth
- Robust aluminium housing and strong tempered glass
- Vibration and shock resistant
- Low maintenance

Applications:



Oil&Gas Exploration



Drilling



Oil Refinery



Petrochemical Plant



Power Plant



Pharmaceutical Plant



ATEX & IECEx Certified LED Floodlight/bay light/High bay light in Hazardous Area.

Standard & Certificate:

Ex Mark:	Gas: II 3 G EX ec IIC T4/T5 Gc Dust: II 3 D Ex tc IIC T115°C/105°C/T95°C Dc IP66
Certificate:	• ATEX Certification NO.: Pending • IECEx Certification NO.: Pending • CE • RoHS
Executive Standard:	• (IEC)EN 60079-0, (IEC)EN 60079-7 • (IEC)EN 60079-31 • EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3, • EN 60598-1, EN 60598-2-5, EN 62031, EN 62493, • IEC 62321-1, IEC 62321-3-1, IEC 62321-4, IEC 62321-5, • IEC 62321-6, IEC 62321-7-1, IEC 62321-7-2, IEC 62321-8
Classification:	Group II, Zone 2 & 22

Electrical & Photometric Features:

Luminaire Efficacy:	150lm/W
Lifespan:	>100,000 hours
Operating Voltage:	100~277VAC 141~392VDC(standard) 347~480VAC 491~679VDC(optional)
Power:	80W/100W/120W/150W/200W/240W/300W
Frequency:	50/60Hz
Power Factor:	>0.98
THD:	<10%
CRI:	>70
Insulation Class:	I
Surge Protection:	4KV/6KV
LED Driver:	Over voltage protection/short circuit protection

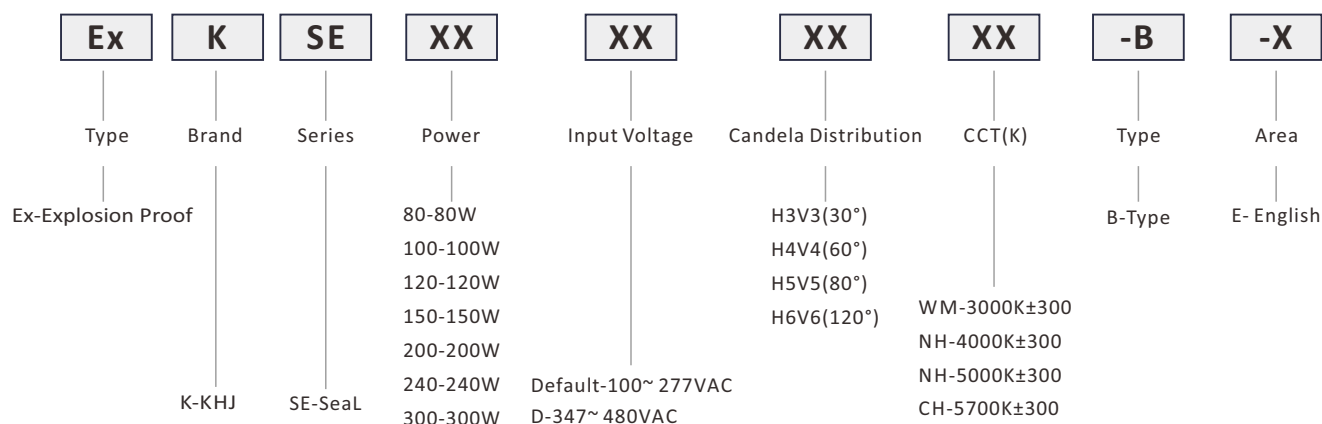
Mechanical Features:

Weight:	6.4Kg(80W/100W/120W/150W)/8.9Kg(200W/240W/300W)
Size:	332*282*167mm(80W/100W/120W/150W) 332*435*167mm(200W/240W/300W)
Ambient Temperature:	-40°C~+55°C(80-300W)/-40°C~+65°C(100W/120W)
Connecting Terminals:	3*1.0-4mm ² (L+N+PE)
Cable Entries:	2XNPT 3/4" (M20*1.5, M25*1.5 are optional)
Earthing Protection:	M4 (Internal & external earth bolts)
IP Code:	IP66
Enclosure Material:	Die-casting aluminium alloy
Enclosure Colour:	Grey RAL7040
Coating:	Epoxy powder coating
Exposed Fastener:	Stainless steel
Protective Cover:	Tempered glass, Stand 7J impact

Product Differentiation

Rated Power	Operating Voltage:		Temp. Classification	
	100-277VAC	347-480VAC	-40°C~+55°C	-40°C~+65°C
80W	●	●	T5	/
100W	●	●	T5	T4
120W	●	●	T5	T4
150W	●	●	T5	/
200W	●	●	T5	/
240W	●	●	T5	/
300W	●	●	T4	/

Production Definition

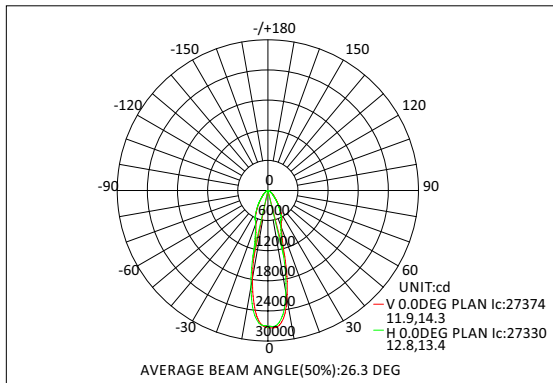


Ordering Information

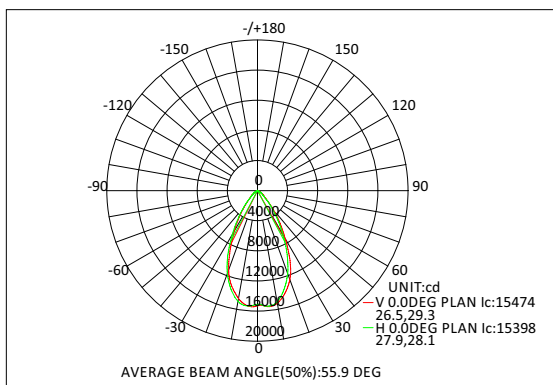
P/N	Operating Voltage(V)	Luminous Flux(lm)	Power(W)	Color Temp.	CCT(K)	Temp. Classification	
						-40℃~+55℃	-40℃~+65℃
Ex-KSE80*WM-B-E	100~277 AC (347~480 DC)	11160	80	Warm white	3000±300	T5	/
Ex-KSE80*NH-B-E		12000	80	Natural white	4000±300	T5	/
Ex-KSE80*NH-B-E		12000	80	Natural white	5000±300	T5	/
Ex-KSE80*CH-B-E		12000	80	Cool white	5700±300	T5	/
Ex-KSE100*WM-B-E		13950	100	Warm white	3000±300	T5	T4
Ex-KSE100*NH-B-E		15000	100	Natural white	4000±300	T5	T4
Ex-KSE100*NH-B-E		15000	100	Natural white	5000±300	T5	T4
Ex-KSE100*CH-B-E		15000	100	Cool white	5700±300	T5	T4
Ex-KSE120*WM-B-E		16740	120	Warm white	3000±300	T5	T4
Ex-KSE120*NH-B-E		18000	120	Natural white	4000±300	T5	T4
Ex-KSE120*NH-B-E		18000	120	Natural white	5000±300	T5	T4
Ex-KSE120*CH-B-E		18000	120	Cool white	5700±300	T5	T4
Ex-KSE150*WM-B-E		20925	150	Warm white	3000±300	T5	/
Ex-KSE150*NH-B-E		22500	150	Natural white	4000±300	T5	/
Ex-KSE150*NH-B-E		22500	150	Natural white	5000±300	T5	/
Ex-KSE150*CH-B-E		22500	150	Cool white	5700±300	T5	/
Ex-KSE200*WM-B-E		27900	200	Warm white	3000±300	T5	/
Ex-KSE200*NH-B-E		30000	200	Natural white	4000±300	T5	/
Ex-KSE200*NH-B-E		30000	200	Natural white	5000±300	T5	/
Ex-KSE200*CH-B-E		30000	200	Cool white	5700±300	T5	/
Ex-KSE240*WM-B-E		33480	240	Warm white	3000±300	T5	/
Ex-KSE240*NH-B-E		36000	240	Natural white	4000±300	T5	/
Ex-KSE240*NH-B-E		36000	240	Natural white	5000±300	T5	/
Ex-KSE240*CH-B-E		36000	240	Cool white	5700±300	T5	/
Ex-KSE300*WM-B-E		41850	300	Warm white	3000±300	T4	/
Ex-KSE300*NH-B-E		45000	300	Natural white	4000±300	T4	/
Ex-KSE300*NH-B-E		45000	300	Natural white	5000±300	T4	/
Ex-KSE300*CH-B-E		45000	300	Cool white	5700±300	T4	/

Remarks: 1. *Stands for beam angle, including H3V3 / H4V4 / H5V5 / H6V6, H5V5 is only available for 80-300W.
2. For beam angle H5V5, the luminous flux will be 8% less;

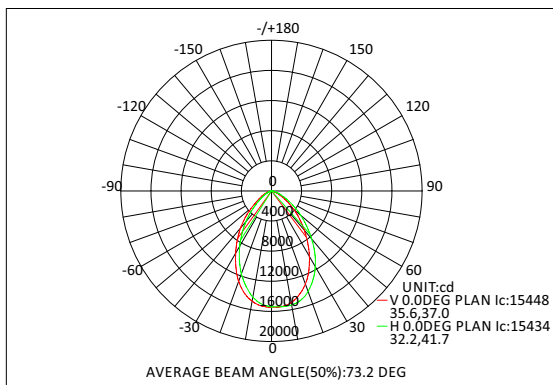
Candela Distribution



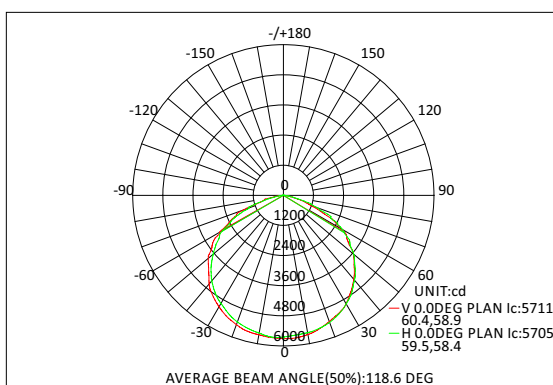
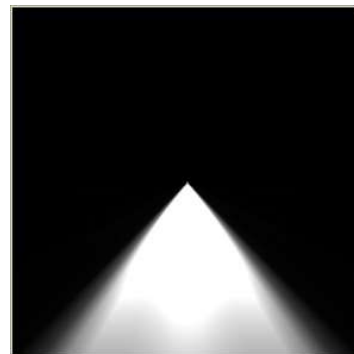
H3V3(30°)/High efficacy LED Source



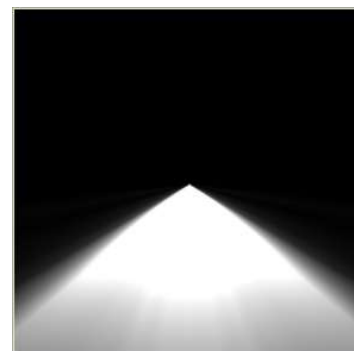
H4V4(60°)/High efficacy LED Source



H5V5(80°)/High efficacy LED Source



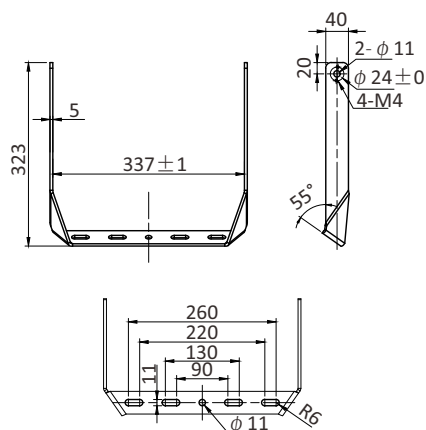
H6V6(120°)/High efficacy LED Source



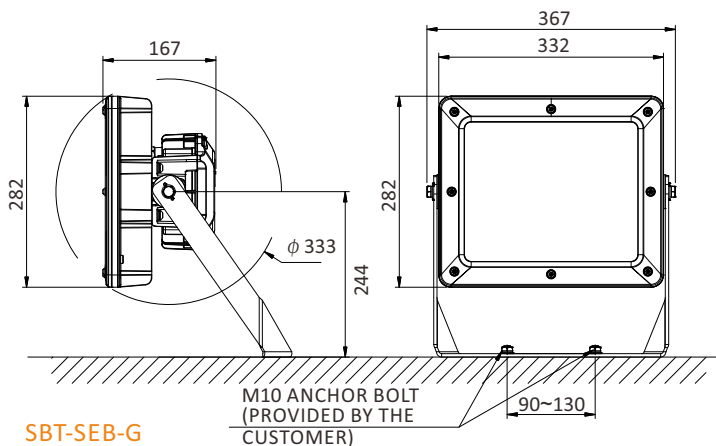
Installation Method

Stanchion mount / Wall mount

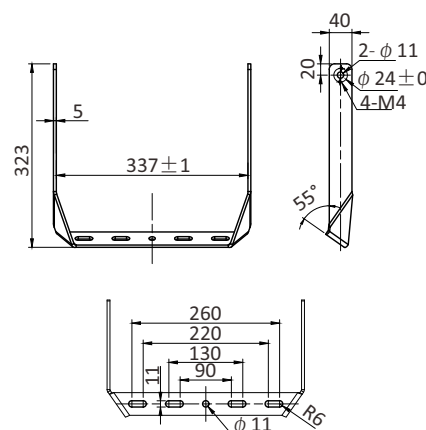
(unit:mm)



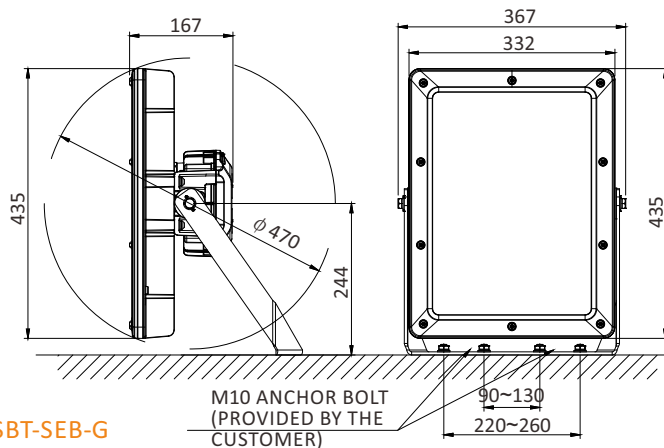
360°ROTATION(EVERY15° IS A ROTATION ANGLE),



SBT-SEB-G
80W/100W/120W/150W



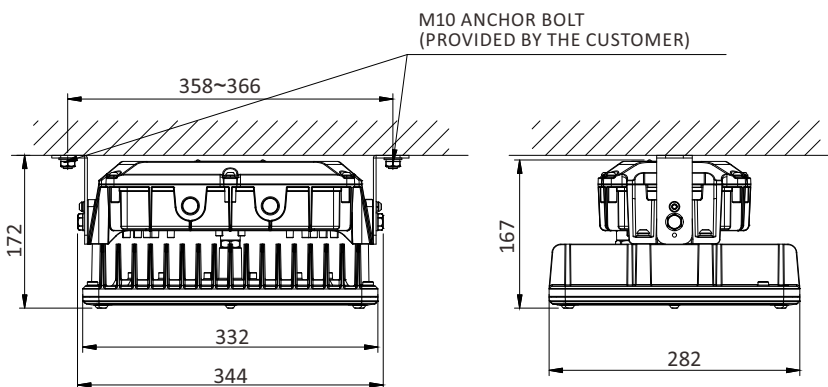
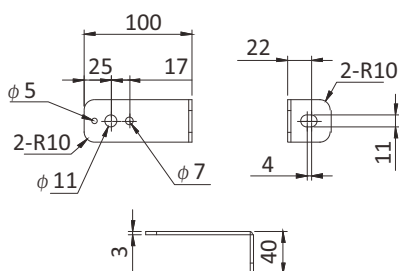
360°ROTATION(EVERY15° IS A ROTATION ANGLE),



SBT-SEB-G
200W/240W/300W

Ceiling mount:

(unit:mm)

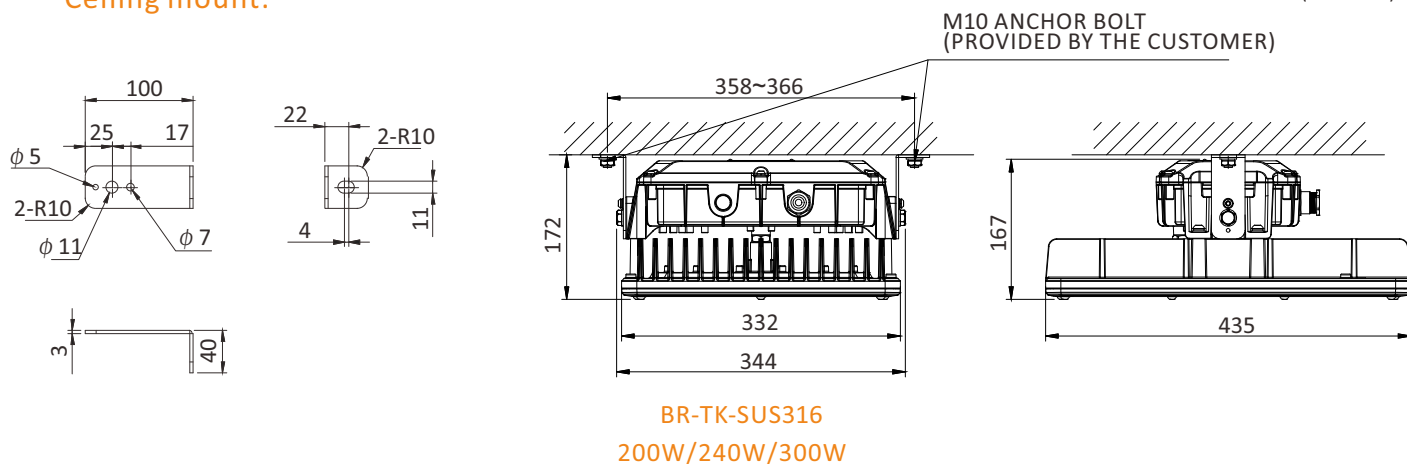


BR-TK-SUS316
80W/100W/120W/150W

Installation Method

Ceiling mount:

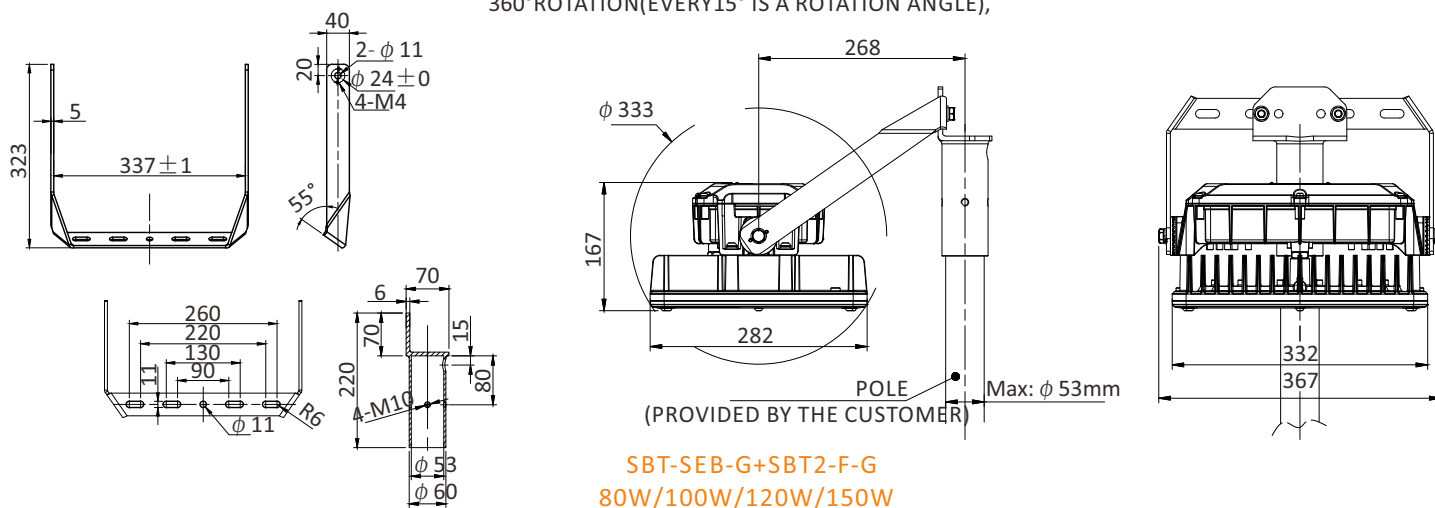
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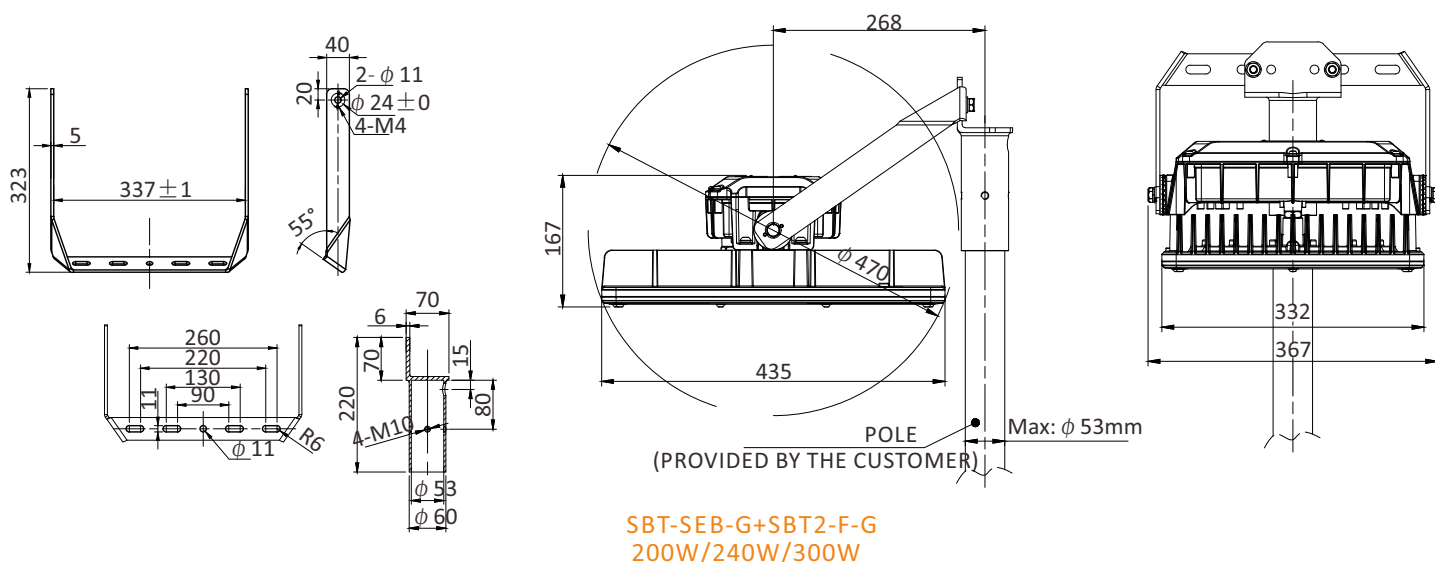
Pole Mount:

(unit:mm)

360°ROTATION(EVERY15° IS A ROTATION ANGLE),



360°ROTATION(EVERY15° IS A ROTATION ANGLE),



Optional Parts

No.	Installation Accessories	Part No.	Picture	Material	Weight(Kg)	QTY	Remarks
1	Ceiling Bracket	BR-TK-SUS316		SUS316	0.9	1	Ceiling Mount
2	Stanchion Bracket	SBT-SEB-G		Q235	1.5	1	Stanchion Mount
3	Pole Mount Bracket	(SBT2-F-G) +(SBT-SEB-G)		Q235	3.0	1	Stanchion Mount