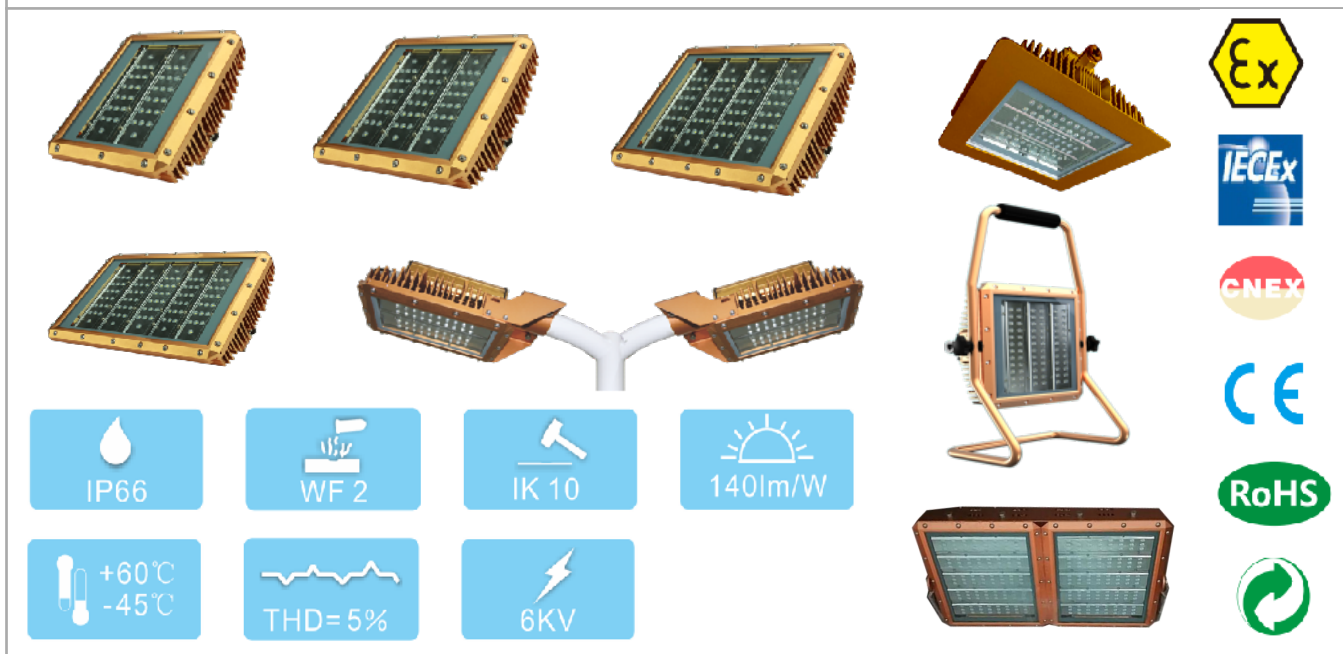
Topmost

Jaguar Series

LED Explosion-proof Lighting

LED Floodlight/LED Canopy light/LED Street light (Other watts customized)

80W---240W (other watts customized)



Features

- Three types of using.LED Floodlight, LED Canopy light and LEDStreet light.
- OSRAM/PHILIPS Led source, high lumen output aver 140lm/W.
- Modular design, available in 80W to 240W.
- Extruded Copper-free Aluminum, high intensity, can endure 20J impact
- Shock and vibration resistant.
- Own design and produced LED drivers are provide reliable operation in harsh environments.
- Capable to work on extreme high and low temperature -45°C-+60°C, keep good performance.
- IP66 and high corrosion resistance, can be used in ocean environment
- Lightning protection 6KV, THD≤5%.
- Various installation methods.

Executive standard

- IEC60079-0 Explosive atmospheres-Part 0:Equipment-General requirements.
- IEC60079-15 Explosive atmospheres-Part15:Equipment protection by flameproof enclosures ‘n’
- IEC60079-31 Explosive atmospheres-part 31:Equipment dust ignition protection by enclosure "t"
- IEC 60598-1 Luminaires-prat1:General requirements and tests.
- IEC60598-2-1 Luminaires-Part2:Particular requirements.Fixed general purpose luminaires.
- IEC 61000-3-2 Electromagnetic compatibility (EMC)-Part 3-2: Limits--Limits far harmonic current emissions (equipment input current < 16 A per phase).
- IEC 61000-4-5 Electromagnetic compatibility (EMC)-Part 4-5: Testing and measurement techniques-Surge immunity test.
- IEC CISPR 15 Limits and methods of measurementof radio disturbance characteristics of electrical lightingand similar equipment.
- IEC 60529 Degrees of protection provided by enclosures (IP code).

Applications

- Ex nR IIC T4 Gc.For Zone 2. Classl division 2
Ex tc IIIC T110°C Dc IP66.For Zone 22. ClassII division 2.
- Especially can be used in hydrogen exsiting environmentIdeal for petroleum,refineries,onshore and offshore rigs, pumping station,petronchemical plants,gas station andexternal field road lighting,etc.

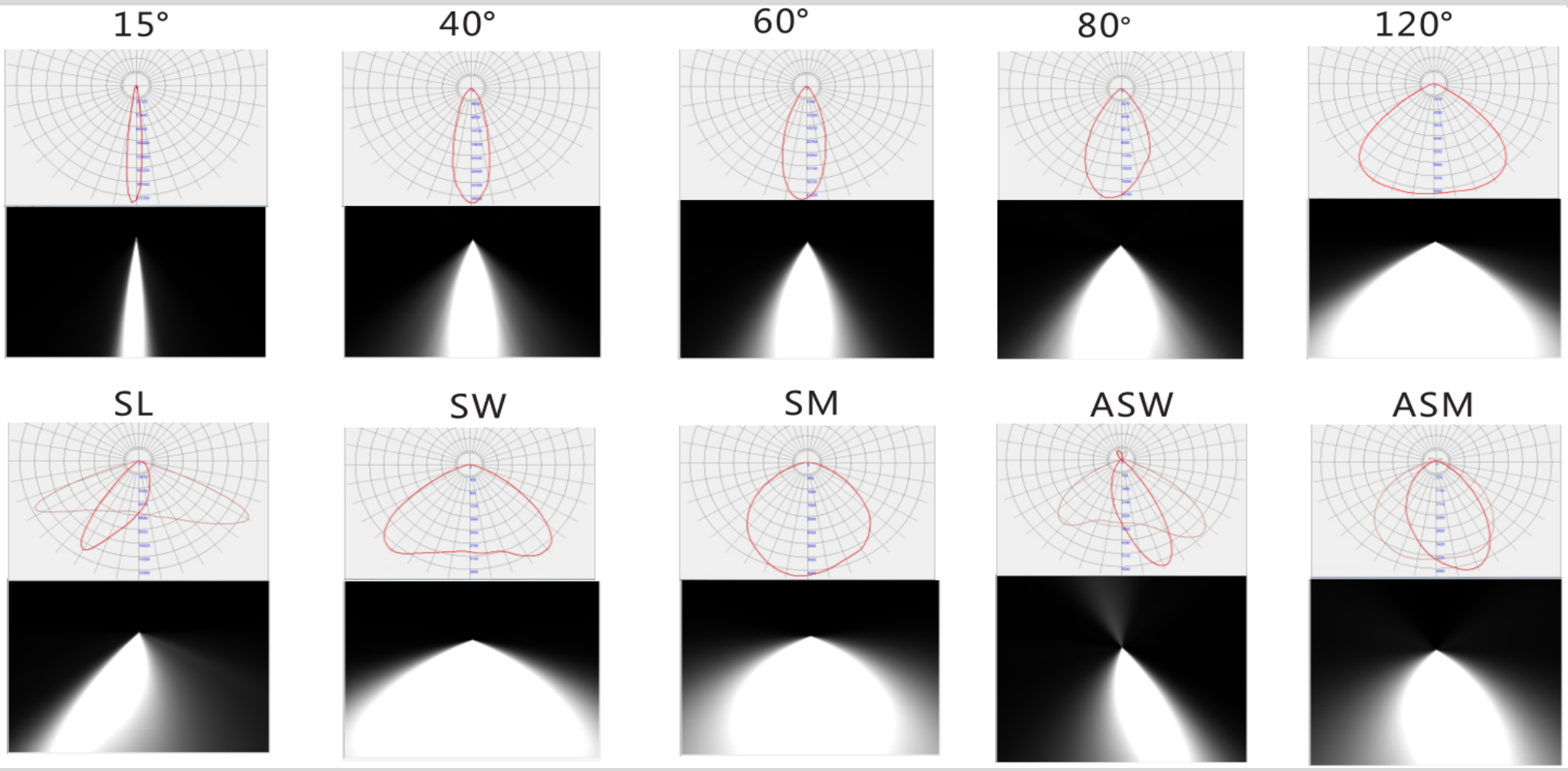
LED Lights-Jaguar	80W	100W	120W	160W	200W	240W
Lumen output (lm)	9600	12000	14400	19200	24000	28800
HID/HPS Equiv (approx)	150/175W	175W	250W	250/400W	250/400W	400W

Technical parameters

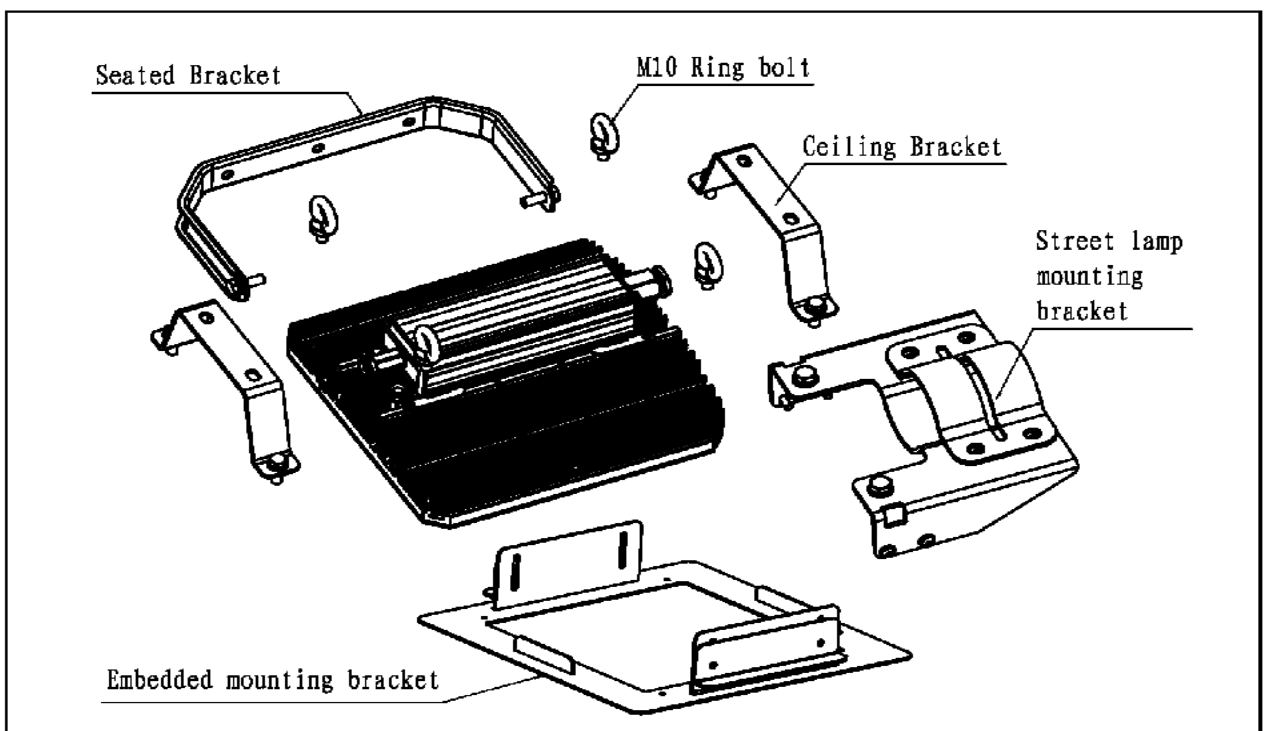
Power consumption	**80W**	**100W**	**120W**	**160W**	**200W**	**240W**
Item No.	Ex-BJG80	Ex-BJG100	Ex-BJG120	Ex-BJG160	Ex-BJG200	Ex-BJG240
Input voltage&frequency	AC 100-277V / 47-62Hz	AC 100-277V / 47-62Hz	AC 100-277V / 47-62Hz	AC 100-277V / 47-62Hz	AC 100-277V / 47-62Hz	AC 100-277V / 47-62Hz
Input current	280～800mA	360～1000mA	430～1200mA	570～1600mA	720～2000mA	860～2400mA
Power factor (PF)	≥0.98	≥0.98	≥0.98	≥0.98	≥0.98	≥0.98
LED chips	OSRAM/PHILIPS	OSRAM/PHILIPS	OSRAM/PHILIPS	OSRAM/PHILIPS	OSRAM/PHILIPS	OSRAM/PHILIPS
Luminous Flux	9600lm	12000lm	14400lm	19200lm	24000lm	28800lm
Colour rendering index (CRI)	Ra > 80	Ra > 80	Ra > 80	Ra > 80	Ra > 80	Ra > 80
Colour temperature	WW:2800～3300K PW:4700～5400K CW:5700～7100K	WW:2800～3300K PW:4700～5400K CW:5700～7100K	WW:2800～3300K PW:4700～5400K CW:5700～7100K	WW:2800～3300K PW:4700～5400K CW:5700～7100K	WW:2800～3300K PW:4700～5400K CW:5700～7100K	WW:2800～3300K PW:4700～5400K CW:5700～7100K
Beam angle	15°/40°/60°/80°/120°/ SL (NOET1)	15°/40°/60°/80°/120°/ SL/SW/SM/ASW/ASM (NOET2)	15°/40°/60°/80°/120°/ SL/SW/SM/ASW/ASM	15°/40°/60°/80°/120°/ SL	15°/40°/60°/80°/120°/ SL	15°/40°/60°/80°/120°/ SL
Working ambient temp.	-45°C～+60°C	-45°C～+60°C	-45°C～+60°C	-45°C～+60°C	-45°C～+60°C	-45°C～+60°C
IP Grade	IP66	IP66	IP66	IP66	IP66	IP66
Lifspan	≥60000hrs	≥60000hrs	≥60000hrs	≥60000hrs	≥60000hrs	≥60000hrs
Housing	Copper free Aluminium	Copper free Aluminium	Copper free Aluminium	Copper free Aluminium	Copper free Aluminium	Copper free Aluminium
Front Cover	Tempered glass	Tempered glass	Tempered glass	Tempered glass	Tempered glass	Tempered glass
Demensions	330*215*150mm	330*215*150mm	330*215*150mm 330*330*150mm	330*330*150mm	330*380*150mm	330*450*150mm
Weight	9kg	12kg	12kg	12kg	16kg	18kg

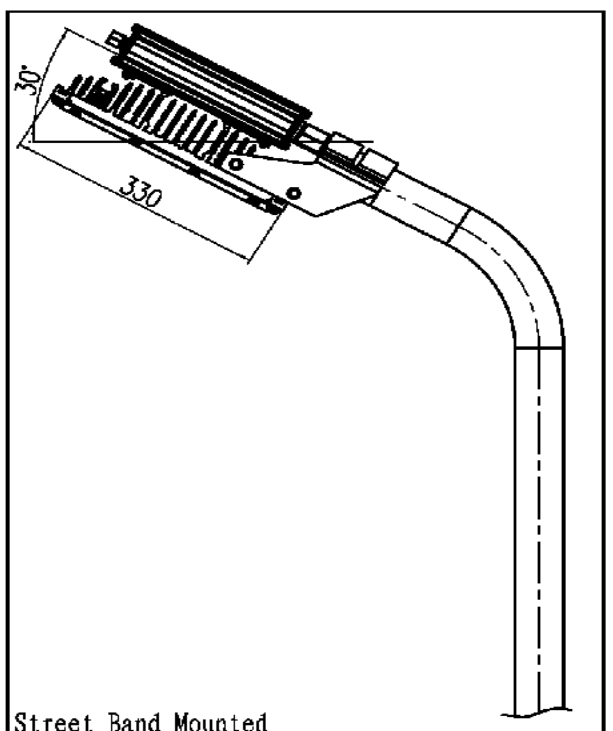
NOTE1—SL(Street light) NOTE2—SW-Symmetricwidelight, SM-Symmetric middle light, ASW-Asymmetric wide light, ASM-Asymmetric middle light

Distribution Curve

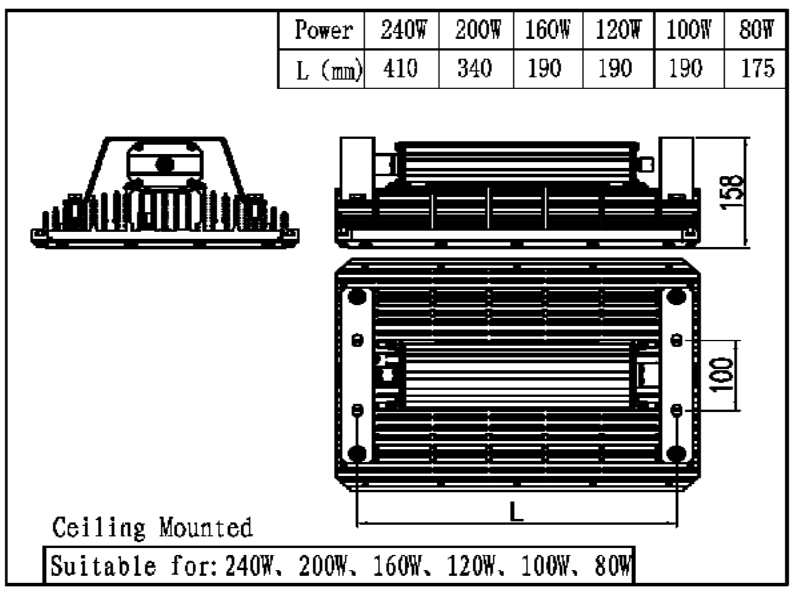


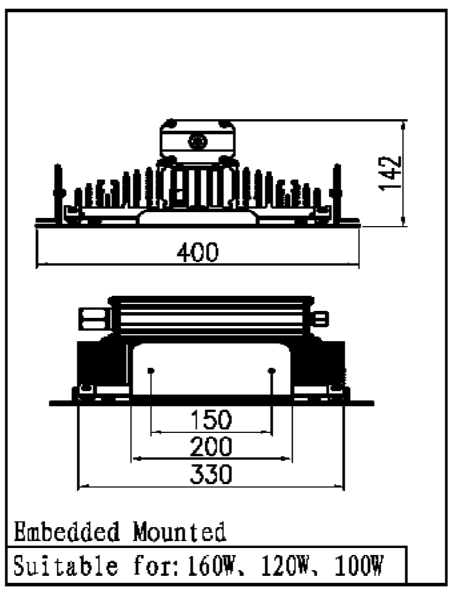
Installation



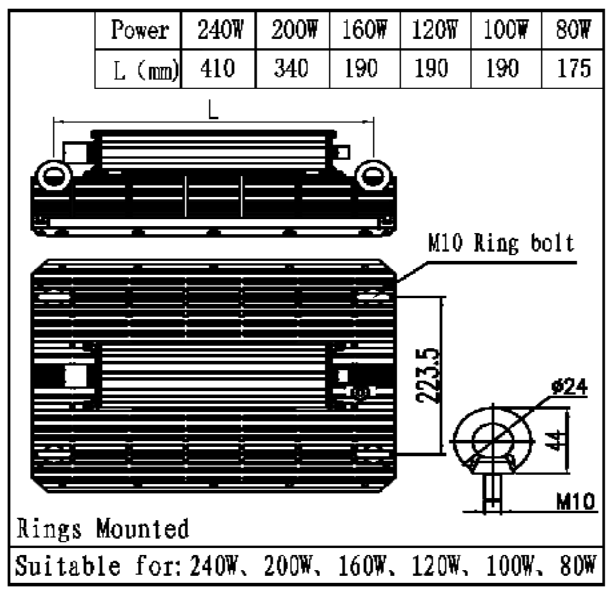


Power	240W	200W	160W	120W	100W	80W
L (mm)	410	340	190	190	190	175

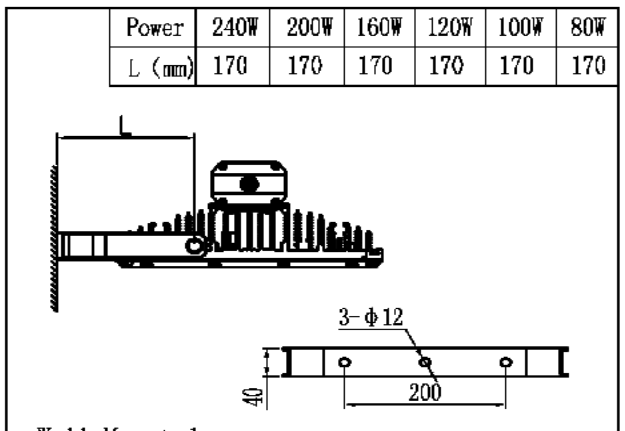




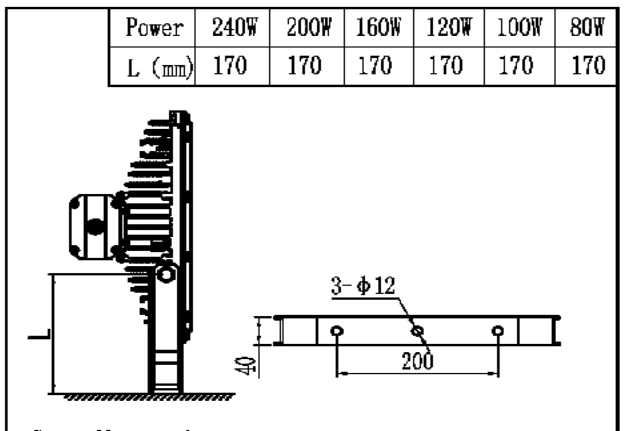
Power	240W	200W	160W	120W	100W	80W
L (mm)	410	340	190	190	190	175



Power	240W	200W	160W	120W	100W	80W
L (mm)	170	170	170	170	170	170



Power	240W	200W	160W	120W	100W	80W
L (mm)	170	170	170	170	170	170



Power	240W	200W	160W	120W	100W	80W
L (mm)	170	170	170	170	170	170