

Metal Halide Light Source

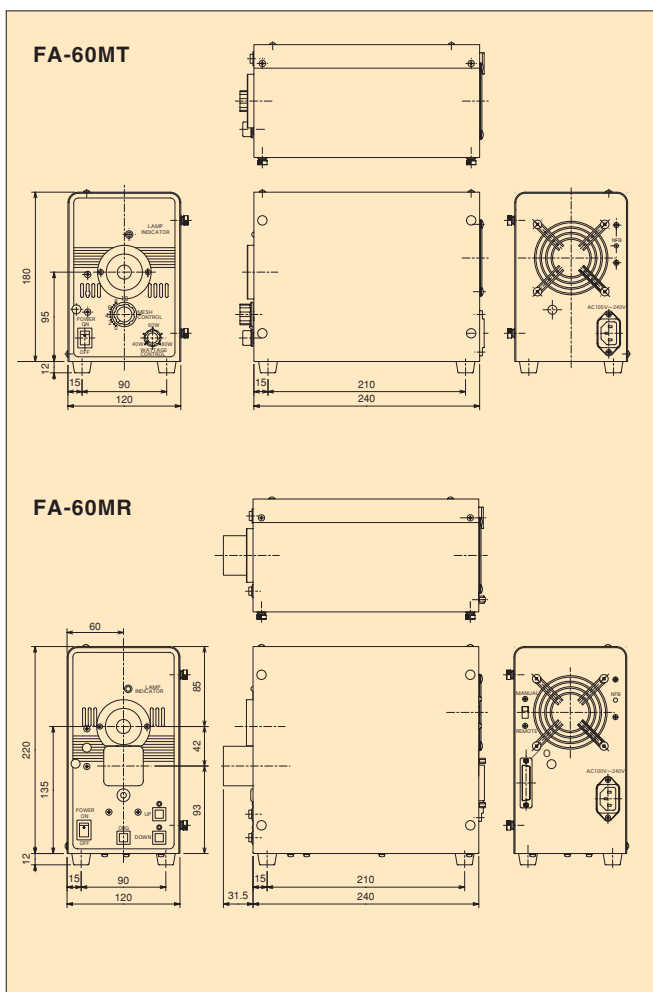
FA-60MT / FA-60MR

Durable Metal halide lamp is used. An external control function (8-bit digital input) turns the lamp on and off automatically. (FA-80MR only)

Specification

Model	FA-60MT / FA-60MR
Input voltage	AC100-240V (allowed range)
Frequency	50 / 60Hz
Power consumption	115W
Lamp type	60 W metal halide lamp FH60MER Color temp: 5,500K ※1 Average intensity : 80W variable 3,000,000 lux (initial value) ※2 Average life: 2,000 (H)
Output type	DC
Light intensity adjustment	Mesh aperture method, Light intensity variable range: 50 % (40W) - 100 % (80W)
Mode switch	Switch manual/remote
Manual mode	Intensity control: VR 1 on front panel (0-10) Power Control 40W (50%) - 80W (100%)
Remote mode	Intensity control: Rear D-SUB Socket 25 Pin No.2 (+), No.3 (-) Control current DC0V-DC +5V(max) adjustable On/Off control: Rear D-SUB Socket 25 Pin No. 25 No.14, 15, 16 (Connection to COM) When the light is cycled OFF/ON, it takes approx. 4 min Lamp On/Off function: when power is ON, lamp indicator should be ON. Unlit Lamp output: ON when lamp is unlit and OFF when the lamp is lit
Protection circuit	Short circuit protection: 2.0 A typ (Auto restart)
Cooling	Force-fan cooling
Optical filter	Thermal insulated and heat cut filter
Operating temp/humidity	0°C ~ +40°C / 30%~80%RH (no condensation)
Circuit Breaker	250V 2.0A
Dimensions	W120xH180xD240mm (Except projection)
Weight	3.4Kg

※ Intensity of illumination is measured by F=8mm light guide, L=500mm and W.D. is 15mm
 ※ Average lamp life is calculated from test results and is not guaranteed. (For longest lamp life, it is recommended for the lamp to be OFF for 15 minutes every 3 hours of lamp use. Lamp life depends on lamp usage)



Infrared Illumination

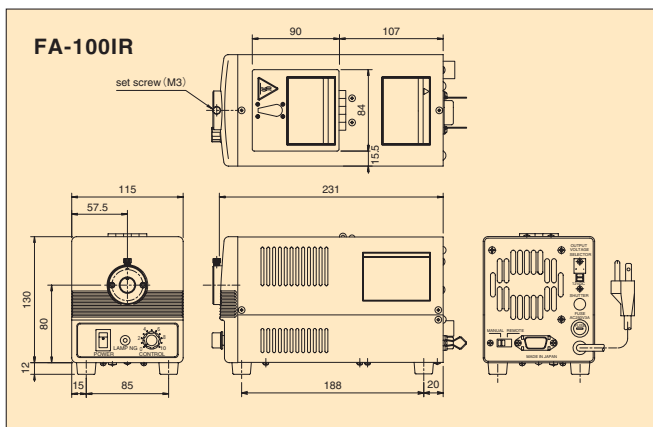
FA-100IR

LA-100IR is infrared illuminator that transmits only the near-infrared frequencies of this halogen lamp. The halogen lamp with infrared reflection mirror and IR80 filter (>800nm penetration) are build-in. Infrared rays 800-1100nm is irradiated without taking out visible light.

Specification

Model	FA-100IR
Power supply	AC100V (Allowed range: AC85-132V) ※1 AC200V (Allowed range: AC170-264V)
Rated frequency	50Hz/60Hz
Power consumption	130W
Lamp type	JCR12V100W-IR Long-life halogen lamp with a infrared mirror ※2 Average life: 1000 hours
Output type	DC
Light intensity adjustment	Output voltage adjustment method Adjustment range: DC3V-12V Lighting adjustment range: 2%-100%
Protection circuit	Overload circuit: Auto recovery Overheat circuit: Auto shut down and auto recovery
Cooling method	Forced-fan cooling
Filter	IR80 filter
Operating temperature/ humidity	-10°C ~ +45°C / 20%~80%RH (no condensation)
Circuit breaker	AC250V M3A Glass tube-fuse (F=5.2 x20mm)
Remote function	1) Lamp on/off 2) Light intensity adjustment remote function (control DC0V~+5VMAX) ※3 3) Lamp burnout detection (monitor (LED) signals when the amp is burned-out or is not making continuity.)
Dimension	W115xH130xD231mm (Except projection)
Weight	2.7kg

※1 AC 200V is special order ※2 Average lamp life is calculated from test results and is not guaranteed
 ※3 Refer to remote function explanation



Example :

[Spectral distribution of FA-100IR]

