





High-intensity Chip LED Surface Light

IHM·IHM infrared series

The IHM series is a chip-type transmissive lighting solution that delivers high output at an affordable price in a lightweight package.

Extensive lineup of 850, 950-nm infrared series

24V DC Models Available

Model	Light Color	Power Consumption (W)	Input Voltage	SAG (＊)	Power Supply	Drawing			
IHM-25/30□	R	2	DC12V	9A	ILP-30M2 (P.81) IDGBseries (P.89) other, overdrive power supply etc.	1			
	AW			F9					
	B			98					
	IR(850)			E3					
	IR(950)			E3					
IHM-66/60□	R	7.5		F5		ILP-30M2 (P.81) IDGBseries (P.89) other, overdrive power supply etc.	2		
	AW			FF					
	B			B3					
	IR(850)			FF					
	IR(950)			FF					
IHM-108/114□	R	14.7		FF			ILP-30M2 (P.81) IDGBseries (P.89) other, overdrive power supply etc.	3	
	AW			FF					
	B			FF					
	IR(850)			FF					
	IR(950)			FF					
IHM-150/142□	R	24		FF				ILP-30M2 (P.81) IDGBseries (P.89) other, overdrive power supply etc.	4
	AW			CF					
	B			D0					
	IR(850)			E5					
	IR(950)			EF					
IHM-214/226□HV	R	47	DC24V	—	ILP-60M2-24 (P.81) IDGB-24 series (P.89)				5
	AW								
	B								
	IR(850)								
	IR(950)								

*□ represents light color (R=Red, AW=White, B=Blue, IR-(850 or 950)=Infrared).

*Input voltage is 12 V DC, but 24 V DC models are also available.

*Please refer page 80 to confirm the details of DC 24V models.

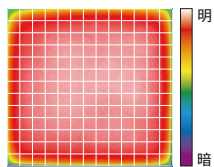
*Optional polarizing plate and light control film can be attached. For details, see page 112.

*The SAG value indicates the maximum voltage setting for SAG power supplies. For details, see page 101.

Luminance Distribution Chart

(Reference Values)

Light is highly uniform except around edges.
Measurement model: IHM-108/114AW



Functional Characteristics

FEATURES

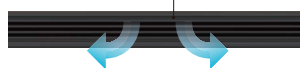
① Dense concentration of high-intensity power LEDs

High-intensity power LEDs are mounted densely to provide extremely bright, more even transmissive lighting.



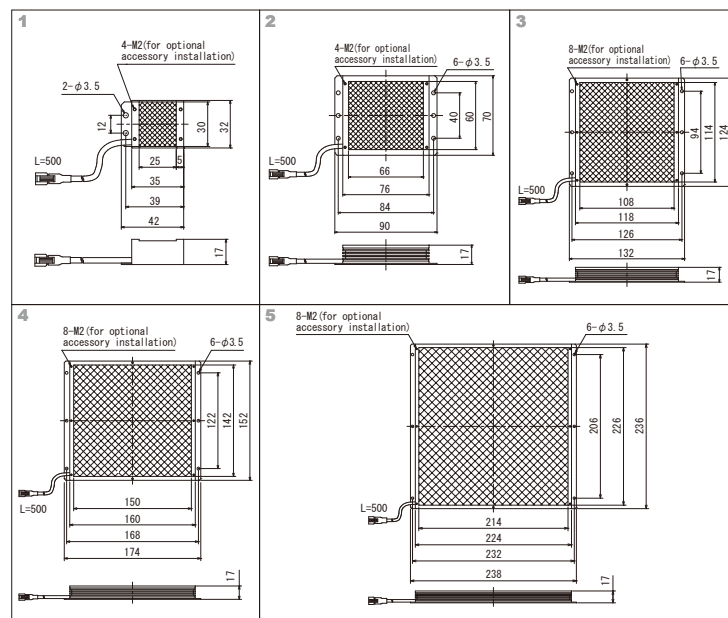
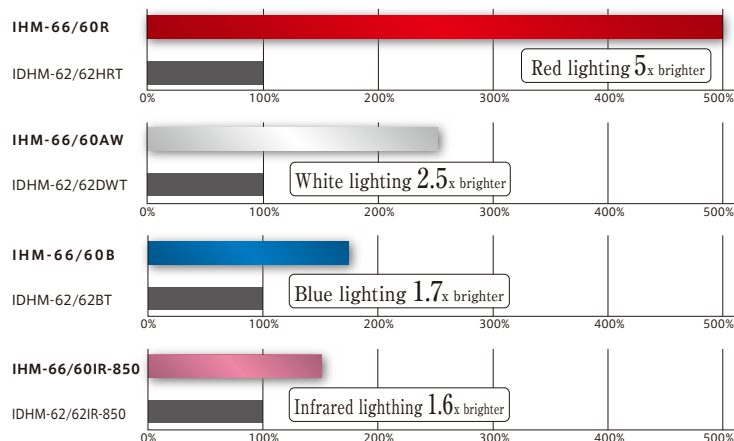
② Heat-dissipating fins

An original heat-dissipating structure provides drastically improved heat dissipation.



Drastically Increased Brightness

Comparison of colors using IHM-66/60 sizes (reference values)



Effect

Comparison using shutter speed of 1/10,000 (100% modulated light)



IDHM-62/62HRT



IHM-66/60R

LIGHTING STRUCTURE

