

Backlight-Chip LED Flat-surface Illumination [IDHM Series]

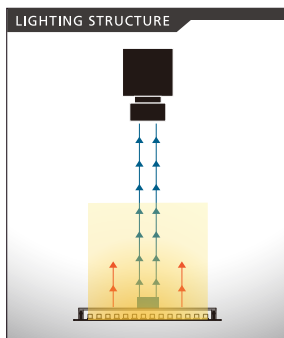
Thin/ High-uniform /Flat-surface with low power consumption
and low heat generation

Installation in small spaces is possible starting from a thickness of "Min 6mm"

24V DC Models Available

Applications

- Connector manufacturing industry etc.
 - ➔ Inspection & Measurement of connector pin pitch.
- FPD/Liquid crystal glass industry etc.
 - ➔ Inspection & Recognition of alignment mark /data code
- Semiconductor/Electronic components industry etc.
 - ➔ Inspection & Measurement of the bending / pitch of lead frame



Imaging Example

Obtain clear silhouette images easily with high-luminance and High-uniform illumination from the rear.



IDHM-92/92BT



IDHM-92/92BT



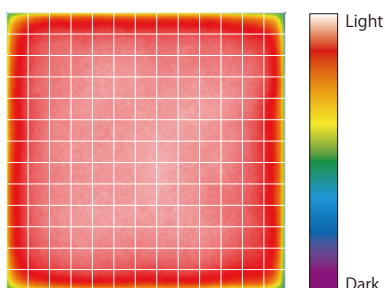
IDHM-62/62DWT



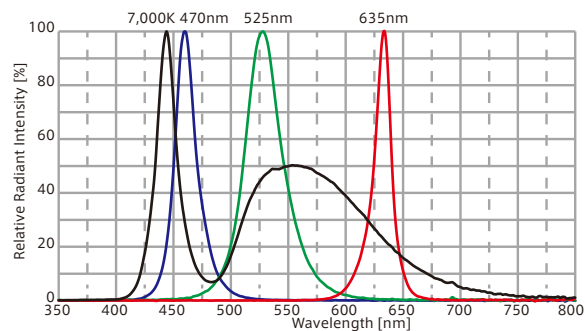
IDR-LA100/68B-3

Luminance Distribution Chart(Ref.Value)

It is possible to illuminate the area excluding the outer edge
of the emitting surface with high-uniformity.
Used Illumination:IDHM-122/122DWT



Optical Spectrum (Ref.Value)



Model	Color	Power Consumption(W)	Input Voltage	SAG(※)	Applicable Controller	Drawing
IDHM-32/32□T	HR	1.5	DC12V	74	IDMU Series (P.193) ILP-30M2 (P.197) IDGC Series (P.209) and the others Strobe/Overdrive Controllers, etc.	1
	DW / B G	1.8		FF/DC		
IDHM-32/62□T	HR	2.9		75		2
	DW / B G	3.6		FF/DD		
IDHM-32/92□T	HR	4.4		75		3
	DW / B G	5.4		FF/E0		
IDHM-32/122□T	HR	5.8		76		4
	DW / B G	7.2		FF/E3		
IDHM-62/62□T	HR	5.8		76		5
	DW / B G	7.2		FF/E3		
IDHM-62/92□T	HR	8.7		76		6
	DW / B G	10.8		FF/E8		
IDHM-62/122□T	HR	11.6		77		7
	DW / B G	14.4		FF/E0		
IDHM-92/92□T	HR	13		78		8
	DW / B G	16.2		FF/E6		9
IDHM-92/122□T	HR	17.3		79		10
	DW / B G	21.6		FF/ED		11
IDHM-122/122□T	HR	23.1		7B		12
	DW / B G	28.8		FF/F3		13

★The emission color (DW=White,HR=Red,B=Blue,G=Green) is indicated by □ in the model table.

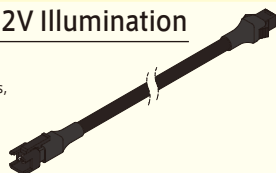
★DC24V products are also available. Please feel free to contact us for more information.

※SAG: The maximum instantaneous upper limit output voltage setting value in the controller for the corresponding illumination when used in combination with the Overdrive controller.

Extension Cable For DC12V Illumination

I-CB-S Series

When used for moving parts such as robots, please use the I-CB-S_R-C02 series, which manufactured with robust robot cable with high flexibility. I-CB-S_-24 series and I-CB-S_R-24-C02 series are compatible for DC24V model.



Recommended Digital Controller(PWM Control)

IDMU Series

Output control: 1,000 Levels
Compact PWM controller with DC24V input voltage, ideal for installation inside panels
Expandable up to 40 channels by linking units
Equipped with programming and camera trigger output functions, making it versatile.



<p>1</p>	<p>2</p>	<p>3</p>	<p>4</p>
<p>5</p>	<p>6</p>	<p>7</p>	<p>8</p>
<p>9</p>	<p>10</p>	<p>11</p>	<p>12</p>
<p>13</p>	<p>※ The case height for red color is 11mm, while for the white/blue/green is 15mm.</p>		

Line illumination products

Ring illumination products

Bar illumination products

Transmitted/area illumination products

Dome illumination products

Local illumination products

Special illumination products

For products

Controller products

Other illumination products

IDBB-LSRF
IDBC-LSR
IDBB-LSRH
IDBB-LSRA
IDBB-LSRS
IDBC-LSRC
IDBB-LSRC
IDBC-RE
IDBB-RE
IDBA-RK
IQDH-RE
IMAR-D_8ch
IDR-LA-8ch
IDRA-T-8ch
IMAR-D
IMAR-CT D
IHR-LE
IHRB · IHRA
IDR-F
IDR-F33/16
IDR
IDR-LA
IDRA-T
IFR · IPR
IDBA-HM
IDBA-HMS
IDBA-HMS-IR
IDBA-FD
IDBA-LEH2
IDBA-LEH
IDBA-LE
IDBA-SE
IDBA-SL
IDBA
IDBA-Q
IFLA · IFLB
IDHM
IHMA
IHMA-V
IFD
IFD-IR
IHMA-40D
IFPA-D
IPQC
IFHA
IHMA
IDDB-KH · IDDA-KH
IDUB
IDD
IDD-CB
IQD · IQDH
IQDA-CB
IFVA · IFVB
IFVA-ST
IFV
IV-14 · IV-30
IHV-20 · IHVE-21
IHVA-SP · IHSL-SP
IBF
IHV-FX
RBOX
IDBB-CH
IDHRA
UV-CAN
Infrared
Infrared
IMAR-RGB
IDDA-KH-RGB
RGB Full-color
ISU
ISS
Introduction of Customization
High-speed synchronous imaging state kit products
ISC-24
Image capture evaluation kit products
IDMU
ILP
ILC
ILV
ILS
IPPA · G · IRPA · G
IPSA · IPPA
IDGC
IDPA
IDCA
IMC
IWDV-24
IWDV(S)-48
ISC
IJS
US-30M2-TP/SS
ILS-40M2-PI/SS
SAG
SLLUB
LLUB
IFIC