

## High Luminance LED Line Lighting System GLB Series

This lighting is suitable for uniformly illuminating a wide area.

Line lengths from 216 mm to 2376 mm are available as standard models.

The maximum line length can be manufactured up to 3996 mm.

Diffusers are available in various transmittances. A light-collecting type using a lens is also available.

Multiple systems can be connected (dimming functions can be batch-connected).



● Focusing lens

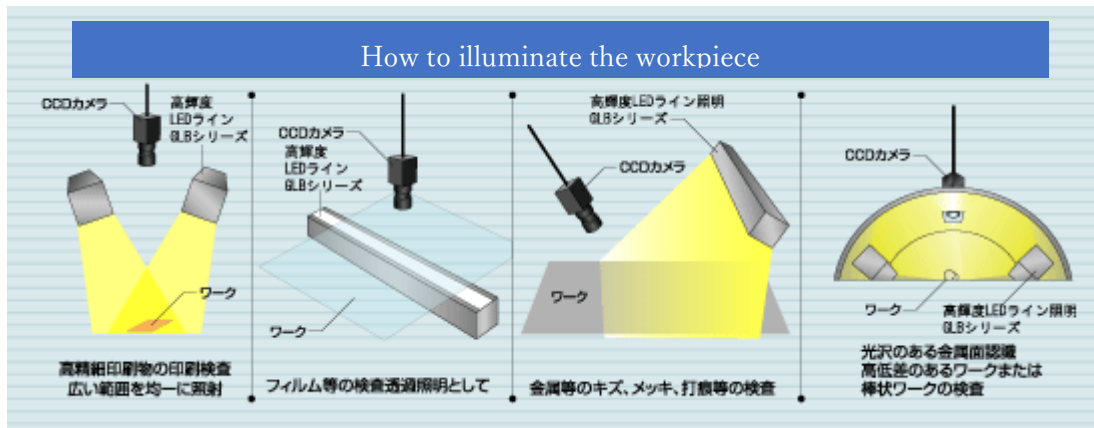
● Heat dissipation structure

## Feature

- The GLB series offers three types of power supplies: multifunctional, simple, and voltage-variable
- Optimized unique heat dissipation shape realizes high brightness
- LED lighting designed as a fluorescent lamp manufacturer, so specifications emphasize the same diffusion properties as fluorescent lamps
- Low power consumption and long life
- Ideal for wide-area irradiation
- Line lengths from 216 mm to 2376 mm are lined up as standard machines
- Maximum length is 3,996mm
- Multiple systems can be connected (Batch dimming function)
- The standard color is 5000K white, and other colors are R (red), G (green), B (blue), and bulb color, High color rendering white (Ra95) is also available.

## Use

- Inspection of scratches, irregularities, and dents in metal plating and resin
- Appearance inspection of non-woven fabrics, paper, cardboard, and rubber
- Film inspection
- Visual inspection of automotive parts
- Printing Inspection
- Inspection of food, medicine, containers and glassware
- Product position
- For irradiating a large area



Light emitting part specifications

Model name	LBX□□□H-△
□	216、324、432、540、648、864、1296、1620、1836、2052、2376
△	Diffuser: M, D, W Polarizer: P Condenser: GSY
LED emission color	Standard: white (5000K), colors to order: RGB, bulb color, 6500K, high color rendering specification, UV
Exterior Material	Aluminum/acrylic material (diffusion plate)
Cooling method	natural air cooling
Operating temperature range	0°C~40°C
Operating humidity range	20~75%
Storage temperature range	-10°C~75°C
Storage humidity range	20~75%
Laser Class	Class 2 LED products: Do not look at or touch the beam directly.

model	Luminous surface (mm)	Power consumption (W)	Weight (g)
LBX216H	216	16	800
LBX324H	324	24	1150
LBX423H	423	32	1500
LBX540H	540	40	1850
LBX648H	648	48	2200
LBX864H	864	64	2900
LBX1296H	1296	96	4300
LBX1620H	1620	120	5350
LBX1836H	1836	136	6050
LBX2052H	2052	152	6750
LBX2376H	2376	176	7800

**Exterior view**

型式	寸法(mm)
A	LBX216H 229
B	LBX324H 337
C	LBX432H 446
D	LBX540H 553
E	LBX648H 661
F	LBX864H 877
G	LBX1296H 1309
H	LBX1620H 1633
I	LBX1836H 1849
J	LBX2052H 2065
K	LBX2376H 2389

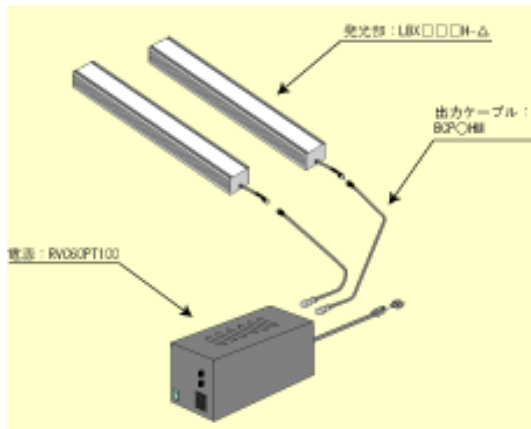
## Lighting system configuration diagram

### GLB-H Series

78kHz PWM dimming Multi-function type

Power type : RVC60PT100/RVC60PT200

- Input voltage is worldwide from 100V to 240V AC.
- PWM dimming 78KHz / Dimming range 0%-100
- 8bit 256 gray scale / analog 0~4.5V dimming / ON-OFF control by external control terminal
- Lit / Off response speed 100  $\mu$  /sec tpy
- Margined design minimizes luminance degradation
- Cable length can be extended up to 10 m between the power supply and the main body of the light

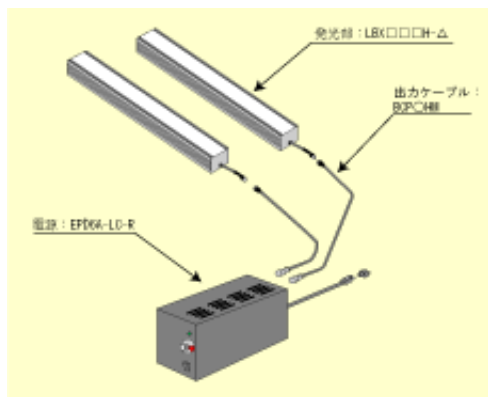


### GLB-E, DLC series

Voltage Dimmable Voltage Adjustable Type

Power supply model: EPD6A-LC-R, DLC series

- Voltage dimming eliminates flickering, making it ideal for line-scan cameras
- Input voltage is world wide type from 100V to 240V AC
- Stepless dimming function / Dimming range 0% to 135% (EPD6A-LC-R)
- Stepless dimming function / Dimming range 0% to 100% (DLC series)
- ON/OFF function by external terminal
- Lit / Off response speed 500mS
- Maximum light intensity increased due to higher output compared to the GLB-H series (EPD-LC-R)
- Even at low power output, energy savings due to extremely high efficiency and very high power consumption reduction
- Cable length can be extended up to 10 m between the power supply and the main body of the light

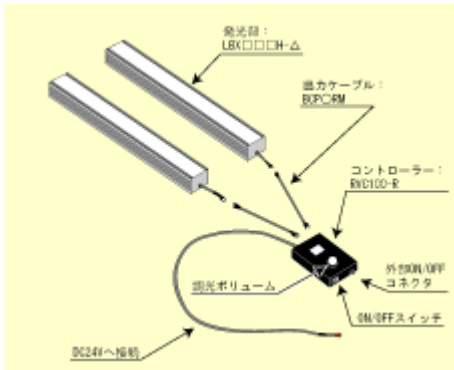


GLB-SR Series

DC24V input, 78kHz PWM dimming, simple type

Power supply model: RVC100-R

- Input is 24VDC specification
- PWM dimming 78KHz / Dimming range 0%~100
- ON/OFF function by external terminal
- Lit / Off response speed 100  $\mu$  /sec typ
- Easy operation with digital display controller
- Cable length can be extended up to 10 m between the controller and the main body of the light

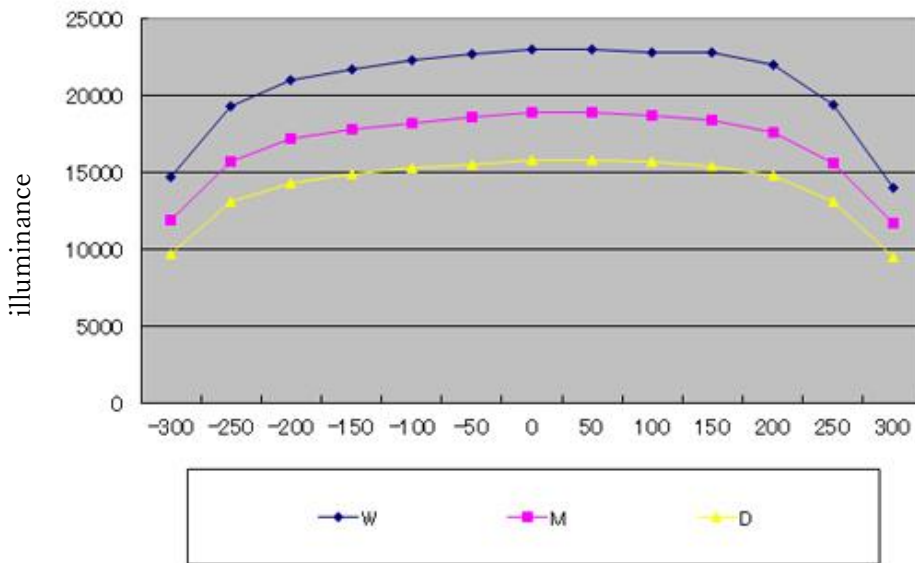


Diffusers and Polarizers

<p>W: Light-intensive type A diffuser plate that is almost transparent is used.</p>	<p>M: Standard type. Used to obtain uniform light.</p>	<p>D : Diffusion-oriented type Compared to the M type, this type is more effective for reducing glare and unevenness of workpieces</p>
<p>P: Polarizer Used in combination with polarizing filters for camera lenses, it cuts out unwanted reflections.</p>	<p>GSY: Light concentrator type By using a condenser lens, diffused light can be combined and strong light can be irradiated to the necessary areas.</p>	

Illuminance comparison by diffuser WD=100mm

GLB648H - Light distribution characteristics with diffuser



Order number

GLB-H Series

Set Model No.	breakdown model number		
	LED Bar	power	output cable
GLB216H-M	LBX216H-M	RVC60PT100	BCP3HM
GLB324H-M	LBX324H-M	RVC60PT100	BCP3HM
GLB432H-M	LBX432H-M	RVC60PT100	BCP3HM
GLB540H-M	LBX540H-M	RVC60PT100	BCP3HM
GLB648H-M	LBX648H-M	RVC60PT100	BCP3HM
GLB864H-M	LBX864H-M	RVC60PT100-T1	BCP3HM
GLB1296H-M	LBX1296H-M	RVC60PT100-T1	BCP3HM
GLB1620H-M	LBX1620H-M	RVC60PT200-NJC	BCP3HM-NJC
GLB1836H-M	LBX1836H-M	RVC60PT200-NJC	BCP3HM-NJC
GLB2052H-M	LBX2052H-M	RVC60PT200-NJC	BCP3HM-NJC
GLB2376H-M	LBX2376H-M	RVC60PT200-NJC	BCP3HM-NJC

GLB-H series twin set (light emitting part: 2 pcs, power supply: 1 unit, cable: 2 pcs)

Set Model No.	breakdown model number		
	LED Bar	power	output cable
GLB216H-M-T	LBX216H-M × 2	RVC60PT100	BCP3HM × 2
GLB324H-M-T	LBX324H-M × 2	RVC60PT100	BCP3HM × 2
GLB432H-M-T	LBX432H-M × 2	RVC60PT100	BCP3HM × 2
GLB540H-M-T	LBX540H-M × 2	RVC60PT100	BCP3HM × 2
GLB648H-M-T	LBX648H-M × 2	RVC60PT100	BCP3HM × 2
GLB864H-M-T	LBX864H-M × 2	RVC60PT200	BCP3HM × 2
GLB1296H-M-T	LBX1296H-M × 2	RVC60PT200	BCP3HM × 2

GLB-E Series

Set Model No.	breakdown model number		
	LED Bar	power	Output cable
GLB216E-M	LBX216H-M	EPD6A-LC-R	BCP3HM
GLB324E-M	LBX324H-M	EPD6A-LC-R	BCP3HM
GLB432E-M	LBX432H-M	EPD6A-LC-R	BCP3HM
GLB540E-M	LBX540H-M	EPD6A-LC-R	BCP3HM
GLB648E-M	LBX648H-M	EPD6A-LC-R	BCP3HM
GLB864E-M	LBX864H-M	EPD6A-LC-R-T1	BCP3HM
GLB1296E-M	LBX1296H-M	EPD6A-LC-R-T1	BCP3HM
GLB1620E-M	LBX1620H-M	DLC03W-LD-LCG-NJC	BCP3HM-NJC
GLB1836E-M	LBX1836H-M	DLC03W-LD-LCG-NJC	BCP3HM-NJC
GLB2052E-M	LBX2052H-M	DLC03W-LD-LCG-NJC	BCP3HM-NJC
GLB2376E-M	LBX2376H-M	DLC03W-LD-LCG-NJC	BCP3HM-NJC

GLB-E series twin set (2 light emitters, 1 power supply, 2 cables)

Set Model No.	breakdown model number		
	LED Bar	power	Output cable
GLB216E-M-T	LBX216H-M × 2	EPD6A-LC-R	BCP3HM × 2
GLB324E-M-T	LBX324H-M × 2	EPD6A-LC-R	BCP3HM × 2
GLB432E-M-T	LBX432H-M × 2	EPD6A-LC-R	BCP3HM × 2
GLB540E-M-T	LBX540H-M × 2	EPD6A-LC-R	BCP3HM × 2
GLB648E-M-T	LBX648H-M × 2	EPD6A-LC-R	BCP3HM × 2
GLB864DLC-M-T	LBX864H-M × 2	DLC03W-LD-LCG-NJC	BCP3HM × 2
GLB1296DLC-M-T	LBX1296H-M × 2	DLC03W-LD-LCG-NJC	BCP3HM × 2
GLB1620DLC-M-T	LBX1620H-M × 2	DLC06W-LD-LCG-NJC	BCP3HM-NJC × 2
GLB1836DLC-M-T	LBX1836H-M × 2	DLC06W-LD-LCG-NJC	BCP3HM-NJC × 2
GLB2052DLC-M-T	LBX2052H-M × 2	DLC06W-LD-LCG-NJC	BCP3HM-NJC × 2
GLB2376DLC-M-T	LBX2376H-M × 2	DLC06W-LD-LCG-NJC	BCP3HM-NJC × 2

GLB-SR Series

Set Model No.	breakdown model number		
	LED Bar	power	Output cable
GLB216SR-M	LBX216H-M	RVC100-R	BCP3RM
GLB324SR-M	LBX324H-M	RVC100-R	BCP3RM
GLB432SR-M	LBX432H-M	RVC100-R	BCP3RM
GLB540SR-M	LBX540H-M	RVC100-R	BCP3RM
GLB648SR-M	LBX648H-M	RVC100-R	BCP3RM

GLB-SR series twin set (2 light emitters, 1 power supply, 2 cables)

Set Model No.	breakdown model number		
	LED Bar	power	Output cable
GLB216SR-M-T	LBX216H-M × 2	RVC100-R	BCP3RM × 2
GLB324SR-M-T	LBX324H-M × 2	RVC100-R	BCP3RM × 2
GLB432SR-M-T	LBX432H-M × 2	RVC100-R	BCP3RM × 2
GLB540SR-M-T	LBX540H-M × 2	RVC100-R	BCP3RM × 2
GLB648SR-M-T	LBX648H-M × 2	RVC100-R	BCP3RM × 2

※The standard specification with diffuser plate is M.

※The standard cable length is 3M. If you require an extension (4M or longer), please indicate the required number of meters such as -10M at the end of the model number. The maximum length is up to 10M, but if you need more than 10M, please contact us.

Model Number Description	Set No.	Type of power supply H: Multifunctional E or DLC: voltage variable SR: Simple type		two-light system Blank for single ※For 2-light type, there is a difference in bar size that can be adapted depending on the power supply.		
	<b>GLB</b>	<b>216</b>	<b>H</b>	<b>-M</b>	<b>-T</b>	<b>-10M</b>
		Bar Length	Types of Diffusers		cable length	
		216 (216mm) 1296 (1296mm) 324 (324mm) 1620 (1620mm) 432 (432mm) 1836 (1836mm) 540 (540mm) 2052 (2052mm) 648 (648mm) 2376 (2376mm) 864 (864mm)	W: Light-intensive type M: Standard type D: Uniformity-oriented type P:Polarizer GSY:Light-collecting lens		Standard 3M is blank Non-standard cable lengths with M number	