High-brightness LED panel transilluminator LPM-P series

High-brightness LED transillumination with high density of chip LEDs
Brightness and uniformity: luminance: 20,000 cd/m2
Illuminance: 60,000 Lux, 85% or more (25-segment center point measurement)
Wide line illumination type and surface illumination type are available.

Use

- Inspection of pinholes, bubbles, foreign matter, etc. in transparent and semi-transparent objects such as glass and synthetic resin products as backlight illumination.
- Inspection light source for LCD inspection process, substrate process, optical characteristic inspection process, lighting inspection process
- Presence/absence inspection, shape inspection, and dimensional inspection by silhouette using backlight light
- Inspection of optical films and sheets
- Inspection for camera module evaluation

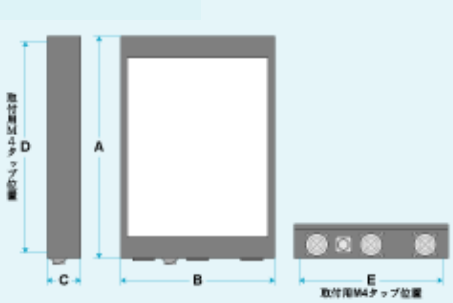
Feature

- High brightness and highly uniform surface illumination
- Power supplies are available in multifunctional and voltage-variable types
- Forced-air cooling with fan
- Custom sizes are also available.
- Provides lighting with a luminous surface size to suit the customer by using 180 x 90 mm LED panels
- Luminous surfaces other than catalog sizes can be manufactured.
- The standard color is 5000K white, but R (red), G (green), B (blue), bulb color, and white with high color rendering specification (Ra95) can also be manufactured.

Light emitting part specifications

Model name	LPM□□□P
□	Luminous surface size
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	Forced air cooling (fan)
life span	Rated life of 30,000 hours *Not a guaranteed value
luminance	20,000cd/m2 or more
uniformity	90% or more (measured in 9 segments)
Dimming range	0～100%
Operating temperature range	0℃～40℃
Operating humidity range	20～75%
Storage temperature range	-10℃～75℃
Storage humidity range	20～75%

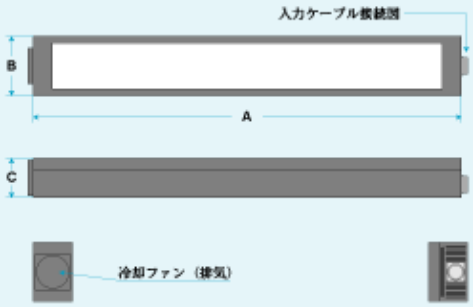
Exterior view



発光部型番	発光面サイズ	A	B	C	D	E
LPM170150P	170 X 150	229	194	62	169	170
LPM170330P	170 X 330	409	194	62	349	170
LPM260330P	260 X 330	409	284	62	349	260
LPM330440P	330 X 440	398	464	67	280	440

※寸法(mm)

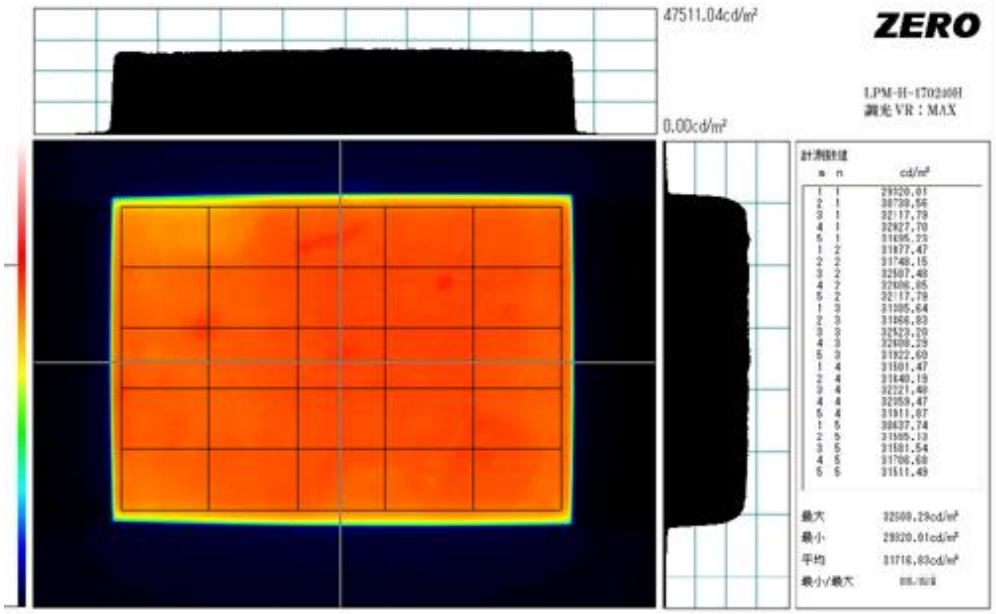
※製品によって、ファンやコネクタの位置が変わる場合があります。



発光部型番	発光面サイズ	A	B	C
LPM33080P	330 X 80	430	109	72
LPM51080P	510 X 80	610	109	72
LPM69080P	690 X 80	790	109	72
LPM87080P	870 X 80	970	109	72
LPM105080P	1050 X 80	1150	109	72
LPM141080P	1410 X 80	1510	109	72
LPM159080P	1590 X 80	1690	109	72
LPM177080P	1770 X 80	1870	109	72

※寸法(mm)

※取付穴の位置につきましては、資料請求をして下さい。
※製品によって、ファンやコネクタの位置が変わる場合があります。



Model Number Description	Type of power supply H: multifunctional E or C: voltage variable type Set part number **LPM-H** **-260330** **H** **-10M** Luminous surface size 15080 (150×80mm) 33080 (330×80mm) 170150 (170×150mm) 51080 (510×80mm) 170240 (170×240mm) 69080 (690×80mm) 170330 (170×330mm) 87080 (870×80mm) 260330 (260×330mm) 105080 (1050×80mm) 330440 (330×440mm) etc cable length Standard 3M blank Non-standard,indicate the M number of the cable length

Order No.

Set Model No.	breakdown model number		
	LED part	power supply (department)	output cable
LPM-H-15080H	LPM15080P	RVC60PT100-LPM	BCM3HM-T1-PT100
LPM-H-170150H	LPM170150P	RVC60PT100-LPM	BCM3HM-T1-PT100
LPM-H-170240H	LPM170240P	RVC60PT100-LPM	BCM3HM-T1-PT100
LPM-H-170330H	LPM170330P	RVC60PT100-LPM	BCM3HM-T1-PT100
LPM-H-260330H	LPM260330P	RVC60PT100-LPM	BCM3HM-T1-PT100
LPM-H-330440H	LPM330440P	RVC60PT200-LPM	BCM3HM-T1-PT200
LPM-H-33080H	LPM33080P	RVC60PT100-LPM	BCM3HM-T1-PT100
LPM-H-51080H	LPM51080P	RVC60PT100-LPM	BCM3HM-T1-PT100
LPM-H-69080H	LPM69080P	RVC60PT100-LPM	BCM3HM-T1-PT100
LPM-H-87080H	LPM87080P	RVC60PT100-LPM	BCM3HM-T1-PT100
LPM-H-105080H	LPM105080P	RVC60PT100-LPM	BCM3HM-T1-PT100
LPM-H-123080H	LPM123080P	RVC60PT200-LPM	BCM3HM-T1-PT200
LPM-H-141080H	LPM141080P	RVC60PT200-LPM	BCM3HM-T1-PT200
LPM-H-159080H	LPM159080P	RVC60PT200-LPM	BCM3HM-T1-PT200
LPM-H-177080H	LPM177080P	RVC60PT200-LPM	BCM3HM-T1-PT200

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

※If you want to make the power supply section variable voltage, change "H" after the set model number to "C".

Example: LPM-H-260330H → LPM-H-260330C