

OLED inspection lighting
EL270F
MODELIGHT Series

Next generation inspection lighting

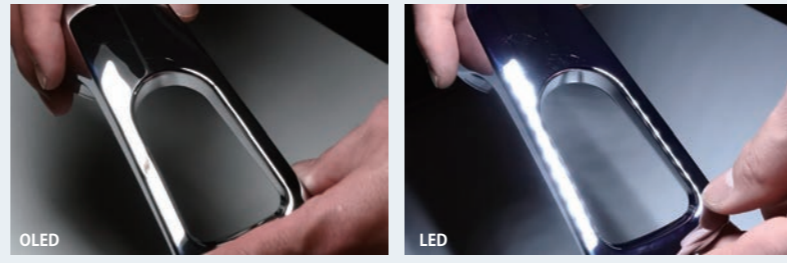
- ✓ **Equipped with the latest OLED panel**
A newly developed OLED panel made in Japan is used as the light source. You can rest assured that it is safe to use it.
- ✓ **Greatly improved performance as lighting**
Compared to our previous model, the number of panels installed has been changed from one to two. Brightness has been increased by 300%.
- ✓ **Improved functionality with options**
With the optional lens, it can also function as an illumination magnifier.

Latest OLED panel



Two OLED panels are equipped to illuminate a wide area. The arm is durable, vibration-free stainless steel square pipe developed for illumination magnifiers. The flexible free arm in all directions to be fix the position.

Differences between OLED and LED lighting



- **surface emission**
OLED lighting is a surface light source that emits light evenly. Therefore, glare is reduced and shadows are less likely to form, making the lighting easy to see.
- **low reflection**
Surface light source OLED lighting delivers a widely diffused light to the workpiece. Therefore, the intensity of reflection is reduced and eye fatigue become less. Also, since it is less likely to cause glare, it is easier to see what is at hand, contributing to improved work efficiency.
- **low blue light**
OLED lighting has suppressed wavelengths in the blue light range. This lighting is less likely to affect biological rhythms even when working at night.

Information provided in Kaneka

LINE UP

EL270F
Free arm with clamping attachment.



NEW!
EL270B
Table Stand Type



NEW!
EL270ST
long bar type



Inspection booth with EL270B *Example

When used in combination with **Inspection boot**, it can block out unnecessary information and enhance concentration on work. It can also suppress static electricity, preventing the absorption of dust and the generation of static electricity.

Also available as a set.
Inspection boot, + EL270F
Inspection boot, + EL270B
Inspection boot, + EL270ST



Optional Lens ML-WAL (sold separately)
Example of ML-WAL installation
With optional lens, it can be used as illuminated magnifier. Lens magnifications of 1.8X(rectangle lens), 4X(round lens), and 7X(rectangle lens) are available.

OLED under-shelf lighting
TE270
MODELIGHT Series

Freely arranged to fit the space

- ✓ **Allow more freedom in lighting positions.**
The best way to illuminate a workpiece is always not suitable from above lighting. Depending on the conditions, the workpiece may look better by illuminating it from the side, or it may look different by illuminating it in parallel. The effect also depends on the distance. The TE270 series is a free product that allows flexible positioning of the light and the workpiece.
- ✓ **it is good collaboration with illuminated magnifier.**
The TE270 series is also effective when used in collaboration with an illuminated magnifier. The positional relationship between the illumination and lens can be flexible.

TE270D with illuminated magnifier *example)



TE270D with OLIGHT6 illuminated magnifier

it can also be used in collaboration with an illuminated magnifier and adapts to various inspection environments.

TE270S-D installation *example



Installation on horizontal pipe " TE270D "



Mounting behind the top panel " TE270D "



Fixed with screws (Note 1)



Installation on horizontal pipe " TE270S "



Installation on both sides of vertical pipe " TE270D "



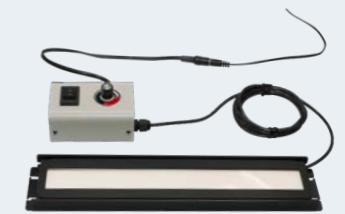
Fasten with cable ties (Note 1)

(Note 1) Screws, cable ties, etc. are not included with this product.

LINE UP

TE270S

Simple type with a single OLED panel, ideal for small-space work environments and for precision work and inspections.



TE270D

Two OLED panels are used to allow free placement in any work environment according to the shape of the workpiece, etc. A wide variety of installation variations are available.



OLED illuminated magnifier
OLIGHT6
Series

World's first OLED illuminated magnifier

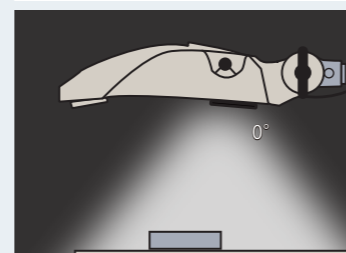
- ✓ **The final evolution of lighting has arrived!**
The evolution of light never stops, first with fluorescent lamps and then with LEDs. Finally, the OLED lighting magnifier, which is said to be the next generation of lighting, has made its debut.
- ✓ **Optimal is comfortable**
This is a revolutionary illumination magnifier that can illuminate light rays to a workpiece by changing the angle of the light source OLED panel.
- ✓ **The latest and greatest lens**
The lens is large and rectangular, close to the human field of view, and has an antireflection coating. Magnifications of 2X and 4X are available and interchangeable according to the object to be observed.

Highly flexible lighting panels

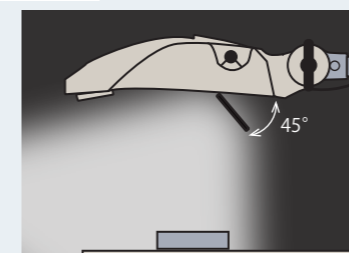


Moving the lighting causes the lens to move with it, resulting in loss of focus (due to the integrated structure of the lens and lighting). The position of the lens is maintained at the optimum location (easy to see), and only the angle of the illumination can be changed, that makes it possible to change the angle to an angle at which defects such as scratches and dents can be easily found and makes it easier to find defects.

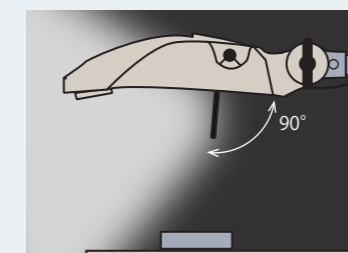
Light distribution image by lighting angle



Light distribution image, 0° angle



Light distribution image, 45° angle



Light distribution image, 90° angle



(Note 2)



(Note 2)



(Note 2)

(Note 2) Actual visibility depends on working distance, eye point, natural light, ceiling lighting.

LINE UP

OLIGHT6-B
Table stand type



OLIGHT6-B

Also available as a set.
Inspection boot, + OLIGHT6-B

OLIGHT6-F
Free arm with clamping attachment.



OLIGHT6-F

Also available as a set.
Inspection boot, + OLIGHT6-F

BIG-RECTA lens

New "BIG-Recta 358AR" with lens magnification of 3X, 5X and 8X is now available! Large area lens with anti-reflection coating as standard. The rectangular lens close to the human field of view.



BIG-RECTA2XAR

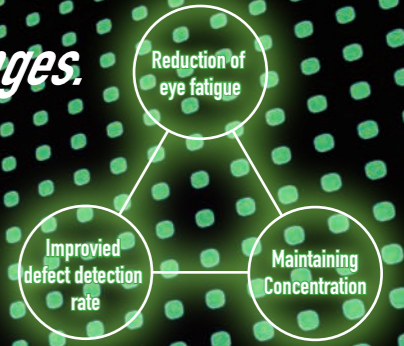


BIG-RECTA4XAR



BIG-RECTA358AR

NEW No.63+
Product



When the light source changes, the inspection changes.
Models equipped with OLED are coming one after another!

Add **NEW** Btype, SType, and Inspection booth!

EL270F



OLED INSPECTION LIGHTING
EL270

OLED INSPECTION LIGHTING
TE270



TE270D

OLIGHT6-B



OLED ILLUMINATED MAGNIFIER
OLIGHT6

MADE IN JAPAN

Model	External Dimensions(mm)	External Dimensions(mm)	External Dimensions(mm)	External Dimensions(mm)
EL270F				
EL270B				
TE270D				
TE270S				
TE270D				

Model	Light source	Dimming Function	Dimming Function	Dimming Function	Dimming Function
OLIGHT6-B	OLED	Available (100%~10%)	Available (100%~10%)	Available (100%~10%)	Available (100%~10%)
OLIGHT6-F	OLED	Available (100%~10%)	Available (100%~10%)	Available (100%~10%)	Available (100%~10%)
OLIGHT6-B	OLED	Available (100%~10%)	Available (100%~10%)	Available (100%~10%)	Available (100%~10%)
OLIGHT6-F	OLED	Available (100%~10%)	Available (100%~10%)	Available (100%~10%)	Available (100%~10%)

OTSUKA
OTSUKA OPTICS CO.,LTD.

△1-1-4 Koyama, Shinagawa-ku, Tokyo 142-0062, Japan
▷Telephone: +81-3-3491-4126 ▷Fax: +81-3-3491-4120
▷https://www.otsuka-op.com ▷Email: info@otsuka-op.com

ease feel free to contact us for
product details and visual inspection.



Specifications are subject to change without notice. This catalog is current as of Feb. 2024.