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製品情報

製品ラインナップ

- LED lighting device for image processing
- Image processing strobe
- Stroboscope
- Short Arc Strobe
- Optional Products
- Spare parts and consumables
- Discontinued product

使用事例

製品検索

■ Model number (half-width alphanumeric characters or part of the model number are OK)
search

■ Product name (part of the product name is OK)
search

■Full text (part of it is OK)
search

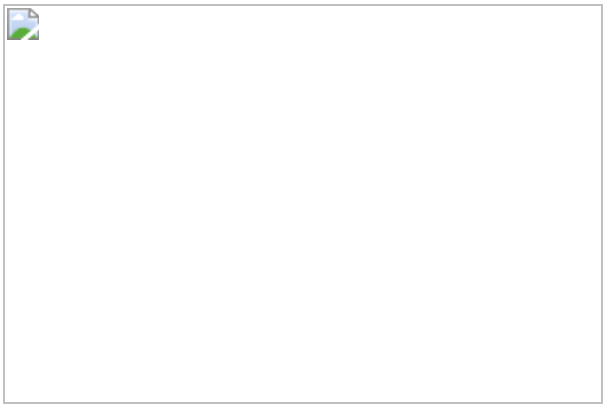
テスト機 無料貸出依頼

はじめての方へ

製品情報　詳細

Transmitted Lighting Thin Surface Emitting Transmitted Type Chip LED TU/TT Series

11. TU/TT series Transmitted lighting Thin surface emitting transmissive type Chip LED specifications



This is a surface-emitting type high-brightness transmitted light that uses a high-brightness chip LED as the light-emitting element. The LED element is mounted directly under the light-emitting surface, but the thickness of the light starts from just 8 mm. The unique characteristics of the chip LED with its wide spread angle have been fully utilized to achieve a thin, highly uniform transmitted light. A special diffusion plate with high diffusion properties is used for the light-emitting surface. A wide transmitted light-emitting surface with high brightness and high uniformity can be secured. The wide range of light-emitting surface sizes makes it useful for a variety of workpieces and detection purposes.

[Applications]
Various shape recognition, dimensional measurement, foreign body inspection, liquid level check, pinhole inspection, sheet material inspection, etc.

チップLED　高輝度　薄型　高均一照射　赤外LED可

- This surface-emitting transmitted light uses high-brightness chip LEDs as the light-emitting element, with a thickness of just 8mm
  . The wide spread angle of the chip LEDs is fully utilized.
- Choose the size of the light-emitting surface according to your needs. We have a wide range of types available, from small lighting with a light-emitting surface of 30mm square to large-area lighting with a light-emitting surface of 300 x 300mm. Please select based on the size of the target field of view, various conditions, etc.





- The standard emission colors are red, white, blue, green, and infrared (850 nm)
  . Thin transmitted lighting comes in red, white, blue, green, and infrared (850 nm).
- Please contact us regarding the size of the light-emitting surface
  . Nissin Electronics has a track record of producing many types with different light-emitting surface sizes. Please feel free to contact us regarding sizes other than the standard products.

- The red version comes in two types: L and R. The L type follows the conventional shape with a case thickness of 8mm. The R type is a high-brightness model equipped with a new LED chip element (about twice the brightness of the L type).
- We can also manufacture white, blue, green, and infrared colored lamps with a case thickness of 8 mm. Please contact us for details.

Catalogue Download

仕様

External dimensions and specifications (case thickness 15mm type)

***Please click on the desired light color.**
The model number will be displayed.

White | Blue | green | red | Infrared color

White light, thin surface-emitting, transparent type

Model	Connector	Figure number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Light emitting part (mm)	Number of LEDs	Power consumption	PDF	DXF
WTU-3030	S.M.	1	40	36.5	33	33	15	15	30×30	36	3.0W		
WTU-3060	S.M.	1	40	36.5	33	63	40	15	30×60	72	5.8W		
WTU-3090	S.M.	2	107	100	93	33	15	15	30×90	108	8.8W		
WTT-30120	S.M.	3	148	140	132	34	15	15	30×120	144	11.6W		
WTT-30150	S.M.	3	178	170	162	34	15	15	30×150	180	14.4W		
WTT-30180	S.M.	3	208	200	192	34	15	15	30×180	216	17.3W		
WTT-30420	S.M.	4	452	442	432	42	20	18	422×32	504	40.4W		
WTT-30600	EL	4	632	622	610	42	20	18	602×32	720	57.6W		
WTU-6060	S.M.	1	70	66.5	63	63	40	15	60×60	144	11.6W		
WTU-6090	S.M.	2	107	100	93	63	40	15	60×90	216	17.4W		
WTU-60120	S.M.	2	137	130	one two three	63	40	15	60×120	288	23.2W		
WTT-60150	S.M.	3	178	170	162	64	40	15	60×150	360	28.8W		
WTT-60180	S.M.	3	208	200	192	64	40	15	60×180	432	34.6W		
WTT-60210	S.M.	3	238	230	222	64	40	15	60×210	504	40.3W		
WTT-60240	S.M.	3	268	260	252	64	40	15	60×240	576	46.1W		

WTT-60270	S.M.	3	298	290	282	64	40	15	60×270	648	51.9W			
WTU-9090	S.M.	2	107	100	93	93	70	15	90×90	324	26.0W			
WTU-90120	S.M.	2	137	130	one two three	93	70	15	90×120	432	34.6W			
WTT-90150	S.M.	3	178	170	162	94	70	15	90×150	540	43.2W			
WTT-90180	S.M.	3	208	200	192	94	70	15	90×180	648	51.9W			
WTT-90210	EL	3	238	230	222	94	70	15	90×210	756	60.5W			
WTT-90240	EL	3	268	260	252	94	70	15	90×240	864	69.1W			
WTT-90270	EL	3	298	290	282	94	70	15	90×270	972	77.8W			
WTT-90300	S.M.	3	328	320	312	94	70	15	90×300	1080	86.4W			
WTT-120120	S.M.	3	148	140	132	124	80	15	120×120	576	46.1W			
WTT-120150	EL	3	178	170	162	124	80	15	120×150	720	57.6W			
WTT-120180	EL	3	208	200	192	124	80	15	120×180	864	69.2W			
WTT-120210	EL	3	238	230	222	124	80	15	120×210	1008	80.7W			
WTT-120240	EL	3	268	260	252	124	80	15	120×240	1152	92.2W			
WTT-150150	EL	3	178	170	162	154	100	15	150×150	900	72.0W			
WTT-150180	EL	3	208	200	192	154	100	15	150×180	1080	86.4W			
WTT-150210	EL	3	238	230	222	154	100	15	150×210	1260	100.8W			
WTT-C2121	MT	4	248	238	224	224	120	27	210×210	1764	141.2W			
WTT-C2130	MT	4	364	354	340	250	150 (hole φ4.5)	28	310×220	2520	201.6W			
WTT-C2424	MT	4	278	254	244	244	120 (hole φ3.5)	27	240×240	2304	184.3W			
WTT-C3030	MT	4	338	328	314	314	※ 4 pieces	27	300×300	3600	288.0W			

※Model number "□TT-C3030" E: 4 pieces (pitch 80)

仕様

External dimensions and specifications (case thickness 8mm type)

Red (L) transmitted light, thin surface-emitting type

Model	Connector	Figure number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Light emitting part (mm)	Number of LEDs	Power consumption	PDF	DXF

LTU-3030	S.M.	1	38	35	32	32	15	8	30×30	36	1.5W
LTU-3060	S.M.	1	38	35	32	62	40	8	30×60	72	2.9W
LTU-3090	S.M.	2	104	98	92	32	15	8	30×90	108	4.4W
LTT-30120	S.M.	3	148	140	132	34	15	8	30×120	144	5.8W
LTT-30150	S.M.	3	178	170	162	34	15	8	30×150	180	7.2W
LTT-30180	S.M.	3	208	200	192	34	15	8	30×180	216	8.7W
LTU-6060	S.M.	1	68	65	62	62	40	8	60× 60	144	5.8W
LTU-6090	S.M.	2	104	98	92	62	40	8	60×90	216	8.7W
LTU-60120	S.M.	2	134	128	122	62	40	8	60×120	288	11.6W
LTT-60150	S.M.	3	178	170	162	64	40	8	60×150	360	14.4W
LTT-60180	S.M.	3	208	200	192	64	40	8	60×180	432	17.3W
LTT-60210	S.M.	3	238	230	222	64	40	8	60×210	504	20.2W
LTU-9090	S.M.	2	104	98	92	92	70	8	90×90	324	13.0W
LTU-90120	S.M.	2	134	128	122	92	70	8	90×120	432	17.3W
LTT-90150	S.M.	3	178	170	162	94	70	8	90×150	540	21.7W
LTT-90180	S.M.	3	208	200	192	94	70	8	90×180	648	26.0W
LTT-90210	S.M.	3	238	230	222	94	70	8	90×210	756	30.3W
LTT-120120	S.M.	3	148	140	132	124	80	8	120×120	576	23.1W
LTT-120150	S.M.	3	178	170	162	124	80	8	120×150	720	28.9W
LTT-120180	S.M.	3	208	200	192	124	80	8	120×180	864	34.6W
LTT-120210	S.M.	3	238	230	222	124	80	8	120×210	1008	40.4W
LTT-150150	S.M.	3	178	170	162	154	100	8	150×150	900	36.1W
LTT-150180	S.M.	3	208	200	192	154	100	8	150×180	1080	43.3W
LTT-150210	S.M.	3	238	230	222	154	100	8	150×210	1260	50.4W

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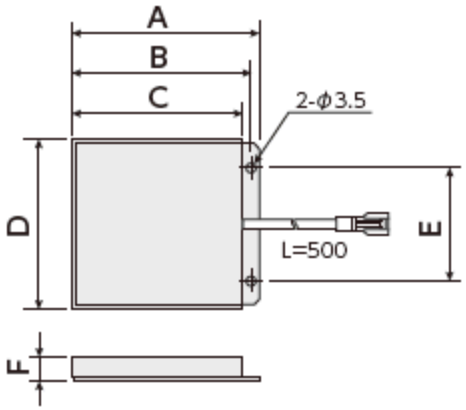


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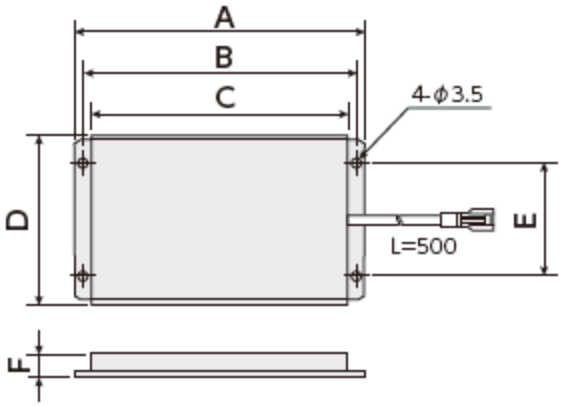


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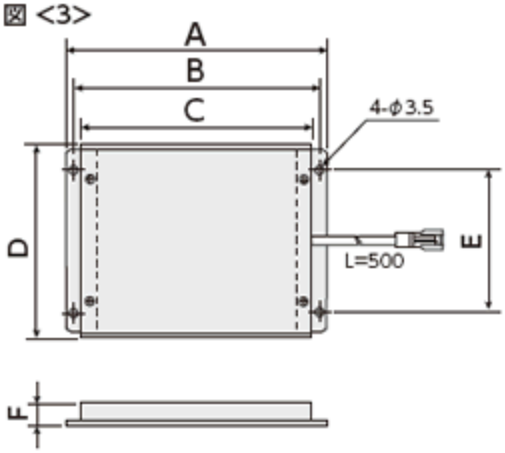
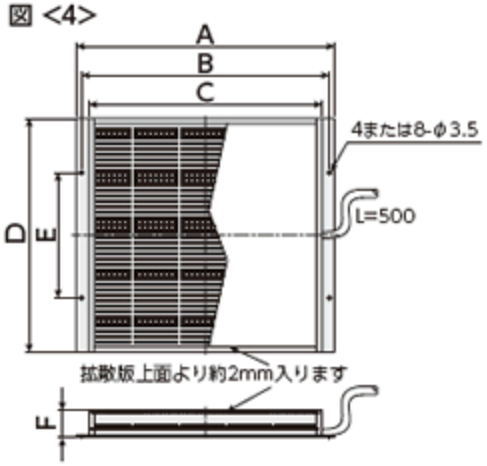


図 <4>



関連製品



LED power supply unit LPR series 1/2 lamp type

Analog volume dimming type This type allows manual dimming from 0 to 100% for each channel individually using an analog volume. By incorporating our newly developed circuit, stable light emission has been achieved.



LED power supply unit CR series Analog volume dimming type

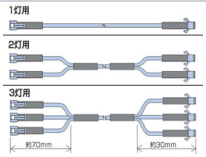
DC lighting type power supply unit that lights up LED lighting with a constant DC voltage. The light intensity can be set from 0 to 100% by adjusting the volume. Stable images can be obtained even when capturing images with a line camera or high-speed shutter.



LED Strobe Power Supply Unit LPS-200 Series Analog Volume Dimming

Instant strobe lighting for high brightness LED lighting.
Overdrive lighting provides 3.5 to 7 times the brightness of the peak level.
Light duration can be set from 1μs using a digital switch.

オプション



Extension cord Extension robot cord Branch cord for LED lighting

*A 500mm long cord comes out of the lighting. Please specify the length according to your needs.
*Branch cords are also available that allow multiple lights to be connected to one power source.



Arm HolderThis

is a holder for fixing LED lighting. Three types are available to suit different applications. The arm part of each type can be set to any angle. Two joints are included as standard for the lighting attachment part. Additional joints can be easily added (additional joint model HKS-1, optional item).

この製品を見た人は、こんな製品も見ています



Transmitted Lighting Direct Transmitted Type (Square Type) TD Series



Transmitted Lighting Edge-light Transmitted Type TE Series

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