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四众科技

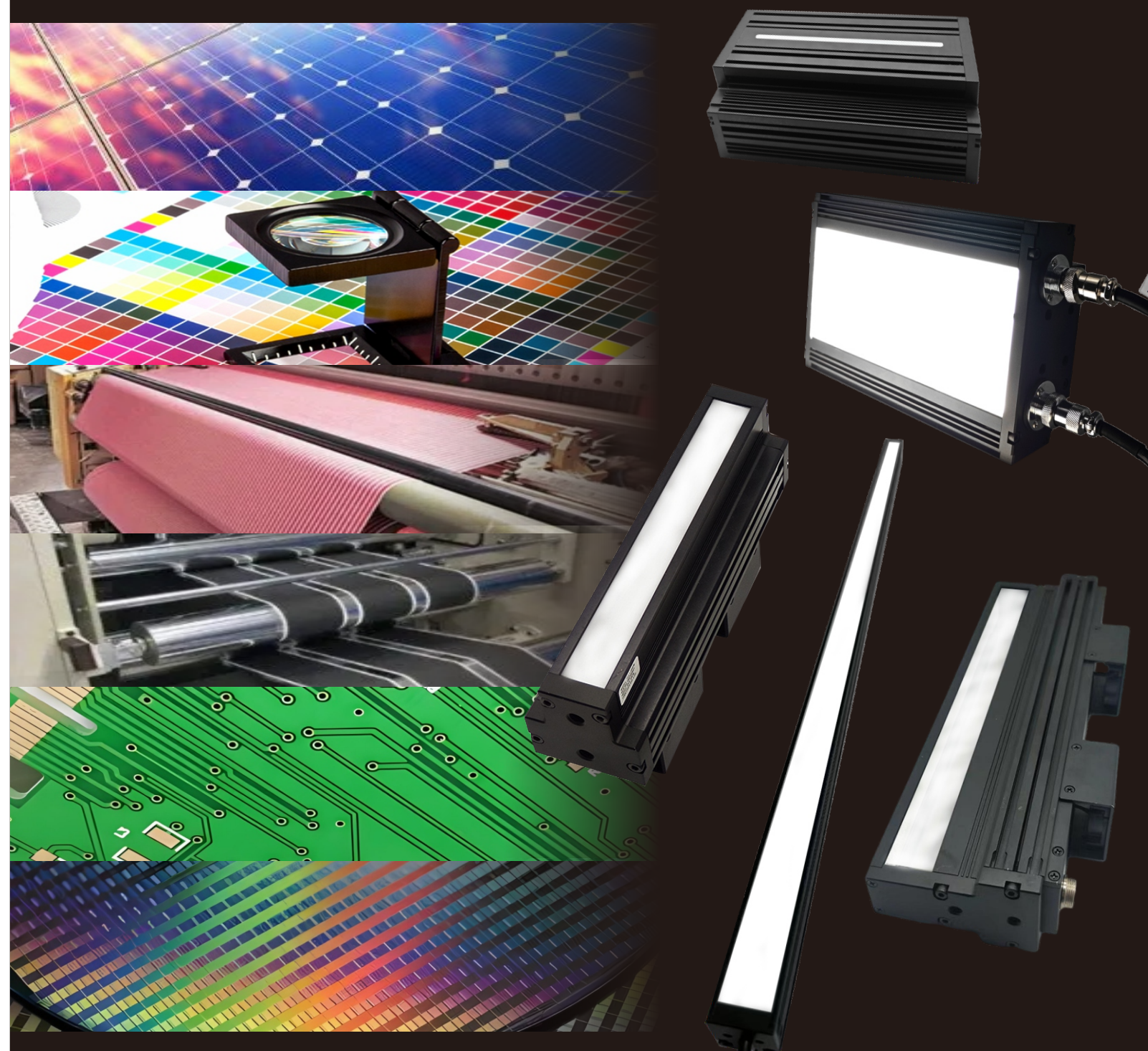
Forerunner of vision lighting
机器视觉照明应用服务商

LINE ACE PRODUCT CATALOG

线形光源应用手册

PRODUCT CATALOG

TOGETHER AUTOMATION TECHNOLOGY CO.,LTD



东莞市四众自动化科技有限公司

TOGETHER AUTOMATION TECHNOLOGY CO.,LTD

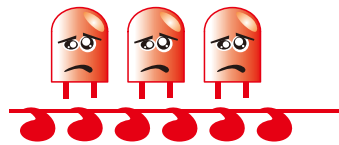
LED光源使用时 Please take note when using LED light

*LED点亮时自身会发热，是否控制好LED光源的温度，对光源的亮度、寿命有非常重要的影响。
When the LED light turns on, it will heat itself. It has a extremely important to control the brightness and life of the light.

*LED光源长时间高温使用时，灯珠亮度会衰减，有时会出现灯珠不良的情况。
When LED light is used for a long time, the brightness of the lamp will decay and sometimes the lamp will be damaged.

*优质LED灯珠与劣质LED灯珠最大的差异在于长时间高温使用时光衰量的变化。
The biggest difference between high quality LED light and low quality light is the change in the decay amount of high temperature service time for a long time.

我可是很脆弱的哦° (° ˊДˋ °) °。



为了充分发挥LED光源的效果，使用时请注意

※请使用调光旋钮 Please use the dimmer knob

调光旋钮的位置在40~60%的程度为佳。（根据光源尺寸、形状等不同场合而不同）
Dimmer knob position in 40~60% degree is preferred. (depending on the size and shape of the light source)

※仅在读取图像时开启光源 Turn on the light source only when reading the image

本公司所有类型光源和控制器都有外触发功能控制光源的ON/OFF，推荐配合读取图像的时间，仅在必要的时间里点亮光源可以有效延长寿命。
all types of LED light and controller of our company have external trigger function to turn on/off the light.litting the LED light only in the necessary time can effectively prolong the life.

※使用优质LED灯珠的光源 Please use high quality LED light

优质LED灯珠的光源会有效延长和光衰速度光源的寿命，四众光源均使用进口优质的LED灯珠，可以使您在使用中有最佳的视觉效果。
The high-quality LED light source can effectively prolong the life of the light source with light decay speed. TOGETHER use imported high-quality LED light beads, which can make you have the best visual effect in using.

※请将光源放置在通风环境 Please put the light in a ventilated environment

将光源放置在通风有支架处，散热效果更佳。
The light source is placed in the ventilated bracket, and the heat dissipation effect is better.

使用光源装置时请注意

当使用光源装置时，光源装置本身的电源开关处于开状态，在接通工厂的总电源或进行组合使用时，请勿直接由主电源开关，因交流电源的常电压脉冲有损坏电源内部回路的可能性。

Subject the power switch is on and link the power cord to wall socket, please don't use the wall socket power switch. Due the electricity pulse will damage the light source under AC power.

选择四众的五大理由

Select Five Kinds of Together Reason

1、全面丰富的照明光源产品系列—LED光源、卤素光源、氙灯光源满足视觉照明多种应用。

Full and rich series of light source products—LED light source, halogen light source, xenon lamp light source meet the various applications of visual lighting.

2、满足各类需求的光源定制技术—光源照度、角度、波段、尺寸满足应用需求的设计生产水平。

Light source customization technology to meet various needs—The illuminance, angle, band and size of the light source meet the design and production level of the application requirements

3、专业的应用技术服务支持沉淀—多样性产品种类与丰富的应用技术提供高性价比的照明产品应用方案。

Professional application technology service support—Variety of products and rich application technology provide high cost performance application for lighting products

4、高品质照明产品设计生产水准—世界顶级设计生产技术为照明光源提供无忧的品质保证。

Quality of design and production of high quality lighting products—The world's top design and production technology provides carefree quality assurance for lighting sources

5、快捷高效的运营配合服务模式—以客户为中心、高效的资源管理运营模式最大限度满足客户不同需求。

Fast and efficient operation coordination service mode—Customer oriented and efficient resource management and operation mode to meet the different needs of customers



四众科技

Line Ace

线形光源

RoHS

全系列产品均可深度定制。

表面检测应用的一些示例

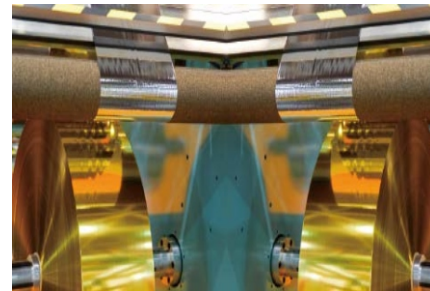
Some examples of application to surface inspection

线形光源系列适用于各种表面检测应用，从印刷、标签和包装的外观检测到尺寸测量,例如划痕、污渍、损坏、着色、位置等。

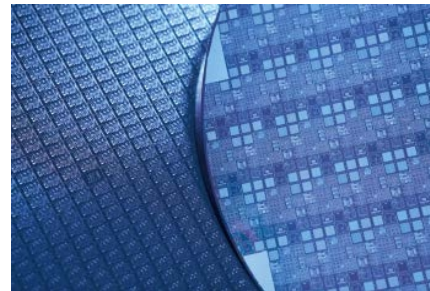
The Line Ace Series for Surface Inspection are suited for use in diverse applications, from the inspection to dimensional measurement of printing, labels, and packages, to detect scratches, stains, damage, Some examples of application to surface inspection coloring, position, etc.



在线打印检测（图片）
Inline printing inspection(image)



金属箔检测（图片）
Metal foil inspection (image)



晶圆检测（图片）
Wafer inspection (image)



PCB检测（图片）
PCB inspection (image)



印染检测（图片）
Printing and dyeing inspection(image)



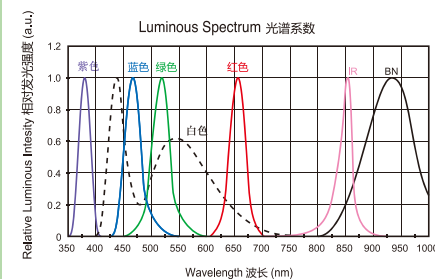
电池电极箔检测（图片）
Battery electrode foil inspection (image)

For Any Field and Any Purpose 用于不同产品及方案

- Any Product Evaluation 所有产品测验
- Semi-Conductor Inspection 半导体测验
- Soldering Inspection 锡点测验
- Sticker Printing Inspection (Missing, Dirty, Scratch) 印刷贴纸测验 (缺字、污渍及花痕)
- Connector Inspection (Bend, Pitch Measuring) 接头测验 (变形及尺距量度)
- Wafer and LCD Inspection 晶片及液晶显示测验
- Vessel (Scratch, Deform) (容器变形及划痕)
- SMD Inspection 零件测验

Main Feature 主要特性

- LED is Long Life and Lower Running Cost compare to another Lighting. 对于其他光源寿命更长及成本较低
- More Stable and good Performance 较稳定及较高效能
- LED Long Life, no need to change and save the Maintenance Cost 二极管寿命更长能省却维修及保养之费用
- Intensity Control & LED On/Off Remote Function 亮度及开关程控功能
- Stable Current Control System 稳定电路控制



- Custom-made and Special Design, please ask to us. 特别设计及订制的产品可联络本公司。
- We are provide Red, Green, Blue, White and IR ,UV LED for different purpose and design use. 二极管备用红色、绿色、蓝色、白色及红外、紫外用于不同方案设计。

Line Ace

线形光源

RoHS

Feature and main Specification 特长以及主要规格

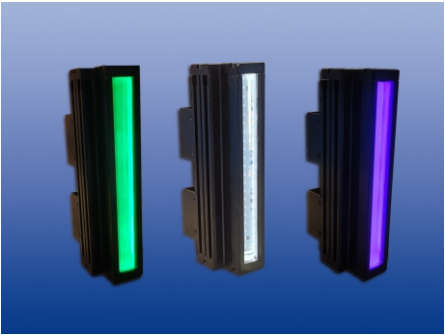
- Can be selected according to the purpose scattering type, to simulate parallel light type, a condensing type.
根据用途，可以选择均匀散射，模拟平行光，聚光型。
- Making possible size range of 0.1m to 3m 制作可能的尺寸范围0. 1~3m
- Fanless, best suitable for moving dust and oscillation sensitive device.
可定制无风扇，适用于对粉尘和震动敏感的环境

型号
Model

TLL2

Inner light dimension
出光面尺寸

Color R/(W)
色(红/白)



型号
Model

TLL2

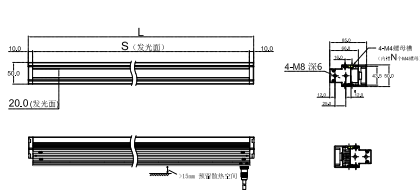
Inner light dimension
出光面尺寸

Color R/(W)
色(红/白)

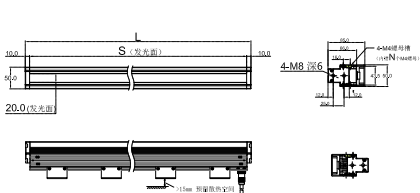
Fan cooled
风冷

FN

EXTERNAL DIMENSION DRAWING 外观图



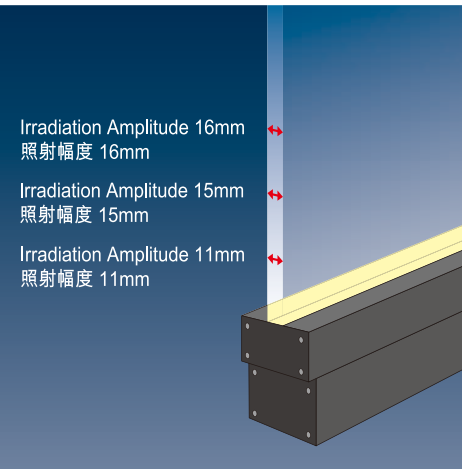
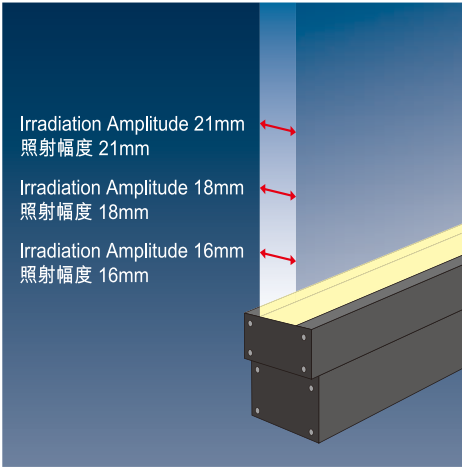
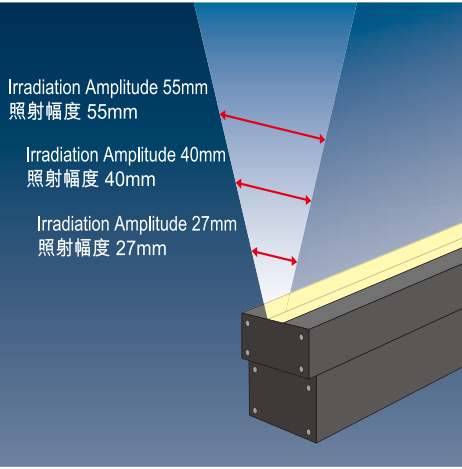
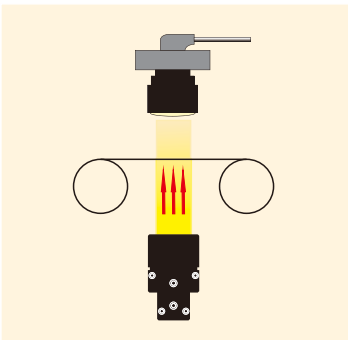
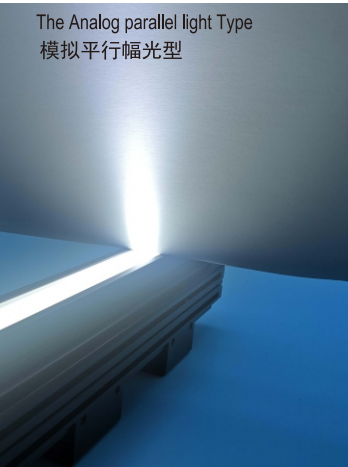
EXTERNAL DIMENSION DRAWING 外观图



Model 型号	Color 颜色	Power 功率	Power 功率	Dimension 尺寸(mm)		Nut 螺母 N
				S	L	
TLL2-100 □	Red,White,Blue,Green 红,白,蓝,绿	5.37W	7.32W	100	120	2
TLL2-200 □	Red,White,Blue,Green 红,白,蓝,绿	10.74W	14.64W	200	220	2
TLL2-300 □	Red,White,Blue,Green 红,白,蓝,绿	16.11W	21.96W	300	320	2
TLL2-400 □	Red,White,Blue,Green 红,白,蓝,绿	21.48W	29.28W	400	420	3
TLL2-500 □	Red,White,Blue,Green 红,白,蓝,绿	26.85W	36.6W	500	520	4
TLL2-600 □	Red,White,Blue,Green 红,白,蓝,绿	32.22W	43.92W	600	620	4
TLL2-700 □	Red,White,Blue,Green 红,白,蓝,绿	37.59W	51.24W	700	720	4
TLL2-800 □	Red,White,Blue,Green 红,白,蓝,绿	42.96W	58.56W	800	820	5
TLL2-900 □	Red,White,Blue,Green 红,白,蓝,绿	48.33W	65.88W	900	920	5
TLL2-1000 □	Red,White,Blue,Green 红,白,蓝,绿	53.7W	73.2W	1000	1020	5
TLL2-1100 □	Red,White,Blue,Green 红,白,蓝,绿	59.07W	80.52W	1100	1120	6
TLL2-1200 □	Red,White,Blue,Green 红,白,蓝,绿	64.44W	87.84W	1200	1220	6
TLL2-1300 □	Red,White,Blue,Green 红,白,蓝,绿	69.81W	95.16W	1300	1320	7
TLL2-1350 □	Red,White,Blue,Green 红,白,蓝,绿	72.49W	98.82W	1350	1370	7
TLL2-1400 □	Red,White,Blue,Green 红,白,蓝,绿	75.18W	102.48W	1400	1420	7
TLL2-1500 □	Red,White,Blue,Green 红,白,蓝,绿	80.55W	109.8W	1500	1520	8
TLL2-1600 □	Red,White,Blue,Green 红,白,蓝,绿	85.92W	117.12W	1600	1620	8
TLL2-1700 □	Red,White,Blue,Green 红,白,蓝,绿	91.29W	124.44W	1700	1720	9
TLL2-1800 □	Red,White,Blue,Green 红,白,蓝,绿	96.66W	131.76W	1800	1820	9
TLL2-1900 □	Red,White,Blue,Green 红,白,蓝,绿	102.03W	139.08W	1900	1920	10
TLL2-2000 □	Red,White,Blue,Green 红,白,蓝,绿	107.4W	146.4W	2000	2020	10
TLL2-2100 □	Red,White,Blue,Green 红,白,蓝,绿	112.77W	153.72W	2100	2120	11
TLL2-2200 □	Red,White,Blue,Green 红,白,蓝,绿	118.14W	161.04W	2200	2220	11
TLL2-2300 □	Red,White,Blue,Green 红,白,蓝,绿	123.51W	168.36W	2300	2320	12
TLL2-2400 □	Red,White,Blue,Green 红,白,蓝,绿	128.88W	175.68W	2400	2420	12
TLL2-2500 □	Red,White,Blue,Green 红,白,蓝,绿	134.25W	183W	2500	2520	13
TLL2-2600 □	Red,White,Blue,Green 红,白,蓝,绿	139.62W	190.32W	2600	2620	13
TLL2-2700 □	Red,White,Blue,Green 红,白,蓝,绿	144.99W	197.64W	2700	2720	14
TLL2-2800 □	Red,White,Blue,Green 红,白,蓝,绿	150.36W	204.96W	2800	2820	14
TLL2-2900 □	Red,White,Blue,Green 红,白,蓝,绿	155.73W	212.28W	2900	2920	15
TLL2-3000 □	Red,White,Blue,Green 红,白,蓝,绿	161.1W	219.6W	3000	3020	15

※ □ Choose colors (R, G, B, DW) □ 选择出光色(红,绿,蓝,白,红外)
※ Power is calculated from test results and is not guaranteed
功率为参考值，并非保证值

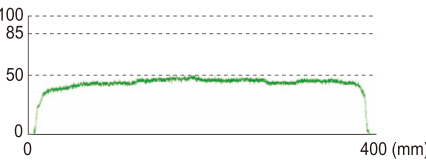
※ The product is given power specifications use a dedicated power supply
该产品为指定电源规格请使用专用电源
※ The length of line light can be customized for each 50mm .
线光源长度可以根据要求每增加 50mm 定制。



Usage and Features 用途和特长

- The cheap model has a good general performance.
拥有较强的通用性和最经济的价格
- The most suitable for penetration lighting series.
最适合穿透照明系列
- Width magnitude irradiation.
可以进行大幅面照明应用

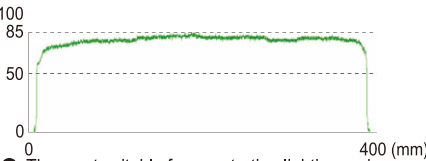
Relative intensity
(Determination of distribution with a shaped inductor camera)
亮度分布
(用线阵相机测定分布)



Usage and Features 用途和特长

- The most suitable for penetration lighting series.
最适合穿透照明系列
- Width magnitude irradiation.
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Relative intensity
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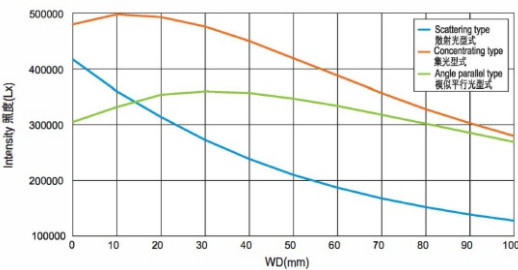
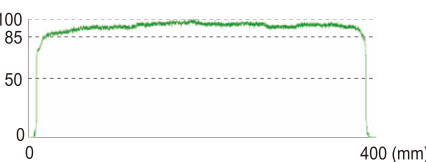


- The most suitable for penetration lighting series.
最适合穿透照明系列

Usage and Features 用途和特长

- Emphasis on brightness condenser design.
高亮度聚光型设计
- The most suitable for reflection lighting series.
最适合应用于底部照明

Relative intensity
(Determination of distribution with a shaped inductor camera)
亮度分布
(用线阵相机测定分布)



Thin Line Type

NEW

超薄线型光源

RoHS

(Usage) 【用途】

- The cheap model has a good general performance. 拥有较强的通用性和最经济的价格
- The length of line light can be customized for each 50mm . 线光源长度可以根据要求每增加50mm定制.

型号
Model

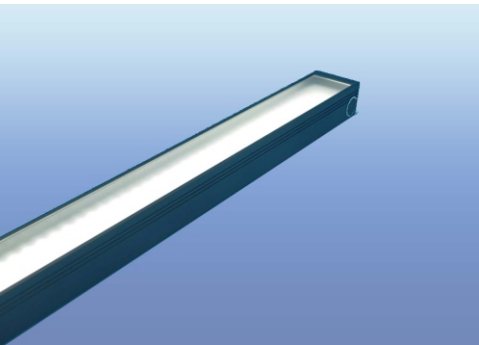
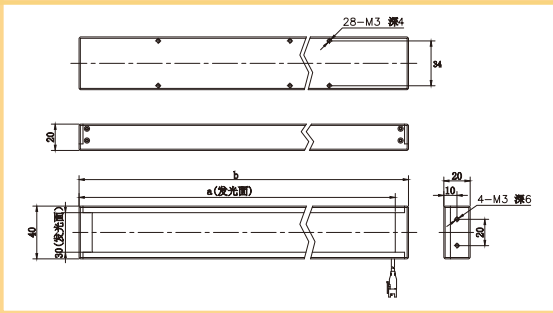
TLH

Thin Line Type
超薄线形光源

Inner light dimension
出光面尺寸

Color (R / W)
色(红/白)

EXTERNAL DIMENSION DRAWING 外观图



Model 型号	Color 颜色	Power ● 功率	Power ● 功率	Dimension 尺寸(mm)	
				a	b
TLH-100□	Red,White,Blue,Green 红,白,蓝,绿	4.7W	14W	100	120
TLH-200□	Red,White,Blue,Green 红,白,蓝,绿	9.4W	28W	200	220
TLH-300□	Red,White,Blue,Green 红,白,蓝,绿	14.1W	42W	300	320
TLH-400□	Red,White,Blue,Green 红,白,蓝,绿	18.8W	56W	400	420
TLH-500□	Red,White,Blue,Green 红,白,蓝,绿	23.5W	70W	500	520
TLH-800□	Red,White,Blue,Green 红,白,蓝,绿	37.6W	112W	800	820
TLH-1000□	Red,White,Blue,Green 红,白,蓝,绿	47W	140W	1000	1020
TLH-1100□	Red,White,Blue,Green 红,白,蓝,绿	51.7W	154W	1100	1120
TLH-1300□	Red,White,Blue,Green 红,白,蓝,绿	61.1W	182W	1300	1320
TLH-1350□	Red,White,Blue,Green 红,白,蓝,绿	63.5W	189W	1350	1370
TLH-1500□	Red,White,Blue,Green 红,白,蓝,绿	70.5W	210W	1500	1520
TLH-1600□	Red,White,Blue,Green 红,白,蓝,绿	75.2W	224W	1600	1620
TLH-2500□	Red,White,Blue,Green 红,白,蓝,绿	117.5W	350W	2500	2520

※ □ Choose colors (R, G, B, DW) □ 选择出光色(红,绿,蓝,白,红外)
※ Power is calculated from test results and is not guaranteed
功率为参考值，并非保证值
※ The product is given power specifications use a dedicated power supply
该产品为指定电源规格请使用专用电源

Coaxial Line Type

同轴线光源

RoHS

(Usage) 【用途】

- High Speed Printing Quality Inspection 高速印刷质量检测
- Large format appearance defect detection 大幅面外观瑕疵检测

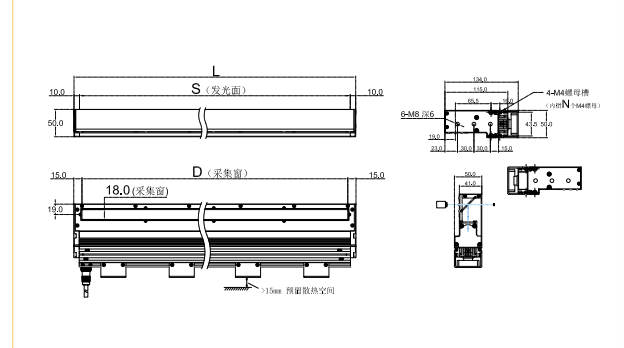
型号
Model

TCOL2

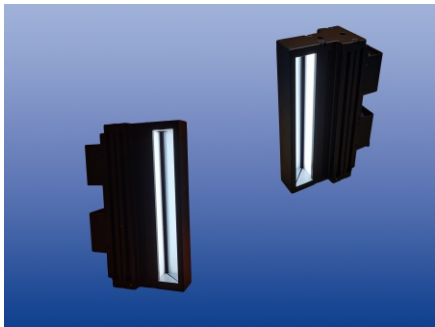
Area of light surface
发光面之面积

Color (R / G / B / W)
色(红/绿/蓝/白)

EXTERNAL DIMENSION DRAWING 外观图



Detailed dimension,Color,angle,Luminescent mode,mounting hole,dust , moisture specifications IR light,UV light,please consult.
详细尺寸、颜色、角度、延长线、孔距、防尘、防潮规格、红外、紫外光源，请咨询



Model 型号	Color 颜色	Power ● 功率	Power ● 功率	Dimension 尺寸(mm)			Nut 螺母
				S	L	N	
TCOL2-100□	Red,White,Blue,Green 红,白,蓝,绿	10.75W	15.38W	100	120	2	
TCOL2-200□	Red,White,Blue,Green 红,白,蓝,绿	21.5W	30.76W	200	220	2	
TCOL2-300□	Red,White,Blue,Green 红,白,蓝,绿	32.25W	46.14W	300	320	2	
TCOL2-400□	Red,White,Blue,Green 红,白,蓝,绿	43W	61.52W	400	420	3	
TCOL2-500□	Red,White,Blue,Green 红,白,蓝,绿	53.75W	76.9W	500	520	4	
TCOL2-600□	Red,White,Blue,Green 红,白,蓝,绿	64.5W	92.28W	600	620	4	
TCOL2-700□	Red,White,Blue,Green 红,白,蓝,绿	75.25W	107.66W	700	720	4	
TCOL2-800□	Red,White,Blue,Green 红,白,蓝,绿	86W	123.04W	800	820	5	
TCOL2-900□	Red,White,Blue,Green 红,白,蓝,绿	96.75W	138.42W	900	920	5	
TCOL2-1000□	Red,White,Blue,Green 红,白,蓝,绿	107.5W	153.8W	1000	1020	5	
TCOL2-1100□	Red,White,Blue,Green 红,白,蓝,绿	118.25W	169.18W	1100	1120	6	
TCOL2-1200□	Red,White,Blue,Green 红,白,蓝,绿	129W	184.56W	1200	1220	6	
TCOL2-1300□	Red,White,Blue,Green 红,白,蓝,绿	139.75W	199.94W	1300	1320	7	
TCOL2-1400□	Red,White,Blue,Green 红,白,蓝,绿	150.5W	215.32W	1400	1420	7	
TCOL2-1500□	Red,White,Blue,Green 红,白,蓝,绿	161.25W	230.7W	1500	1520	8	
TCOL2-1600□	Red,White,Blue,Green 红,白,蓝,绿	172W	246.08W	1600	1620	8	
TCOL2-1700□	Red,White,Blue,Green 红,白,蓝,绿	182.75W	261.46W	1700	1720	9	
TCOL2-1800□	Red,White,Blue,Green 红,白,蓝,绿	193.5W	276.84W	1800	1820	9	
TCOL2-1900□	Red,White,Blue,Green 红,白,蓝,绿	204.25W	292.22W	1900	1920	10	
TCOL2-2000□	Red,White,Blue,Green 红,白,蓝,绿	215W	307.6W	2000	2020	10	

※ □ Choose colors (R, G, B, DW) □ 选择出光色(红,绿,蓝,白)
※ Power is calculated from test results and is not guaranteed
功率为参考值，并非保证值

Air-cooled Coaxial Line Type

NEW

气冷同轴线光源

RoHS

(Usage) 【用途】

- High Speed Printing Quality Inspection 高速印刷质量检测
- Large format appearance defect detection 大幅面外观瑕疵检测

型号
Model

TCOL

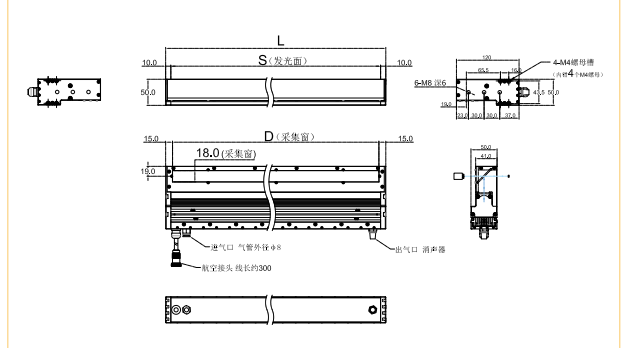
Length
发光面长度

Color (R / G / B / W)
色(红/绿/蓝/白)

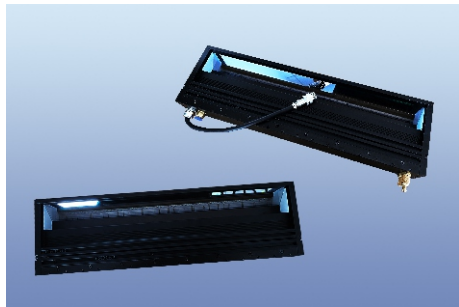
QL

Air cooled
气冷

EXTERNAL DIMENSION DRAWING 外观图



Detailed dimension,Color,angle,Luminescent mode,mounting hole,dust , moisture specifications IR light,UV light,please consult.
详细尺寸、颜色、角度、延长线、孔距、防尘、防潮规格、红外、紫外光源，请咨询



Model 型号	Color 颜色	Power ● 功率	Power ● 功率	Dimension 尺寸(mm)				Nut 螺母
				S	L	D	N	
TCOL-400-QL	Red,White,Blue,Green 红,白,蓝,绿	91W	130W	400	420	390	4	
TCOL-600-QL	Red,White,Blue,Green 红,白,蓝,绿	126W	165W	600	620	590	4	

※ □ Choose colors (R, G, B, DW) □ 选择出光色(红,绿,蓝,白,红外)
※ Power is calculated from test results and is not guaranteed
功率为参考值，并非保证值
※ The product is given power specifications use a dedicated power supply
该产品为指定电源规格请使用专用电源
※ The length of line light can be customized for each 50mm .
线光源长度可以根据要求每增加 50mm 定制.

Water-cooled Coaxial Line Type

NEW

水冷同轴线光源

RoHS

(Usage) 【用途】

- High Speed Printing Quality Inspection 高速印刷质量检测
- Large format appearance defect detection 大幅面外观瑕疵检测

型号
Model

TCOL

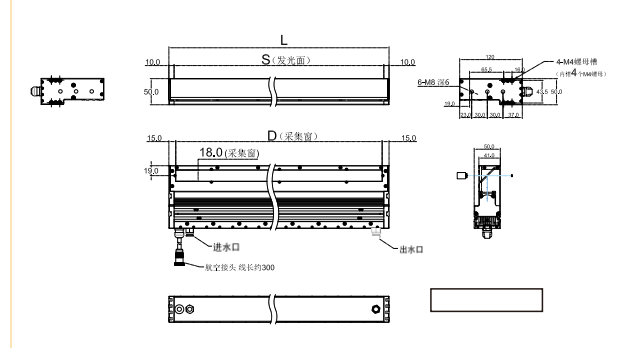
Length
发光面长度

Color (R / G / B / W)
色(红/绿/蓝/白)

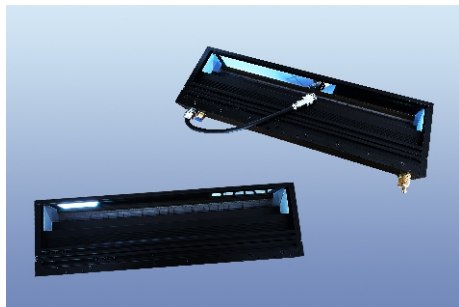
SL

Water cooled
水冷

EXTERNAL DIMENSION DRAWING 外观图



Detailed dimension,Color,angle,Luminescent mode,mounting hole,dust , moisture specifications IR light,UV light,please consult.
详细尺寸、颜色、角度、延长线、孔距、防尘、防潮规格、红外、紫外光源，请咨询



Model 型号	Color 颜色	Power ● 功率	Power ● 功率	Dimension 尺寸(mm)				Nut 螺母
				S	L	D	N	
TCOL-400-SL	Red,White,Blue,Green 红,白,蓝,绿	91W	130W	400	420	390	4	
TCOL-600-SL	Red,White,Blue,Green 红,白,蓝,绿	126W	165W	600	620	590	4	

※ □ Choose colors (R, G, B, DW) □ 选择出光色(红,绿,蓝,白,红外)
※ Power is calculated from test results and is not guaranteed
功率为参考值，并非保证值
※ The product is given power specifications use a dedicated power supply
该产品为指定电源规格请使用专用电源
※ The length of line light can be customized for each 50mm .
线光源长度可以根据要求每增加 50mm 定制.

Tunnel Line Type

NEW

隧道线光源

RoHS

(Usage) 【用途】

- 大幅面印刷、文字检测 Large products inspection text,Printing
- 大范围缺陷检测 Large products defect inspection
- 钢板、铝板、薄膜检测 Steel,aluminum,film inspection

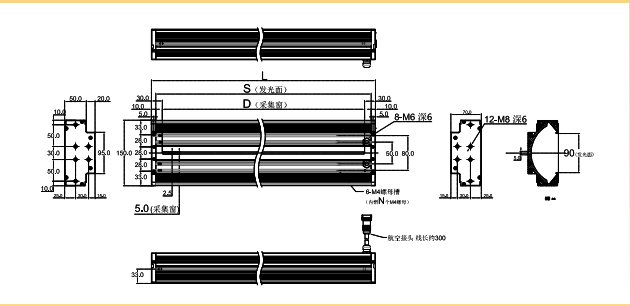
型号 TSL2

Model

Length 发光面长度

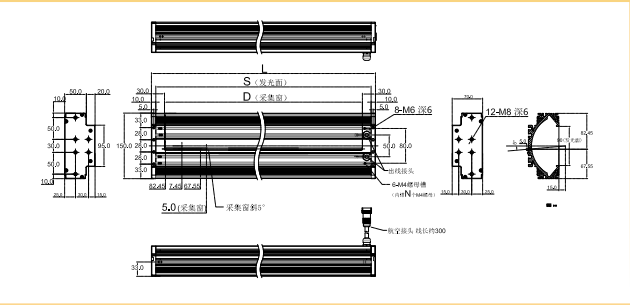
Color (R / G / B / W) 色(红/绿/蓝/白)

EXTERNAL DIMENSION DRAWING 外观图



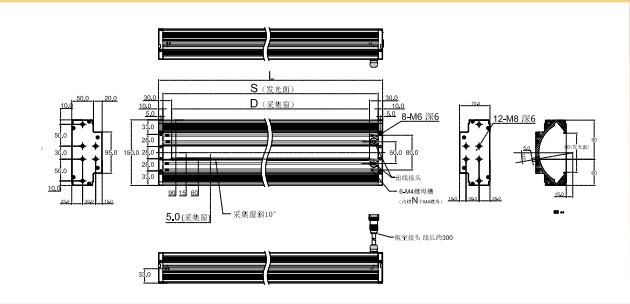
※ 采集窗无倾斜

EXTERNAL DIMENSION DRAWING 外观图

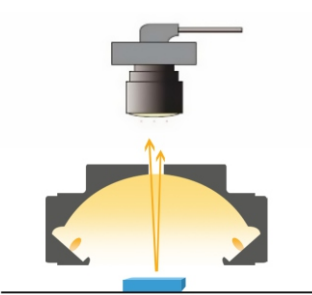
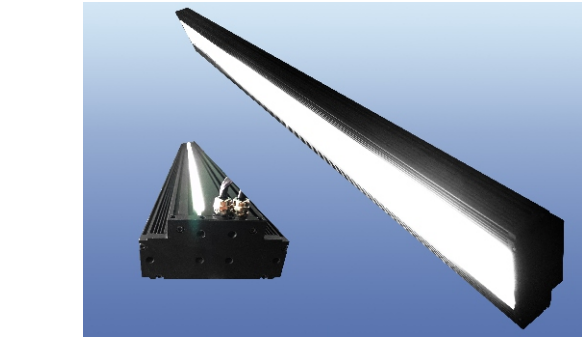


※ 采集窗斜5°

EXTERNAL DIMENSION DRAWING 外观图



※ 采集窗斜10°



型号 TSL2

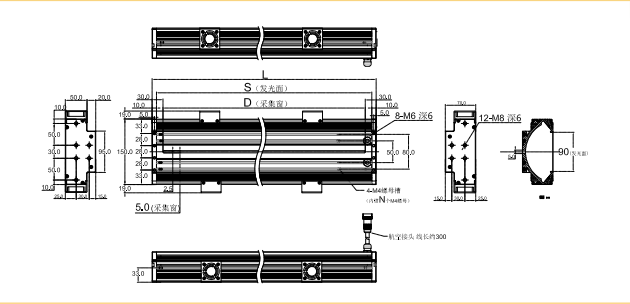
Model

Length 发光面长度

Color (R / G / B / W) 色(红/绿/蓝/白)

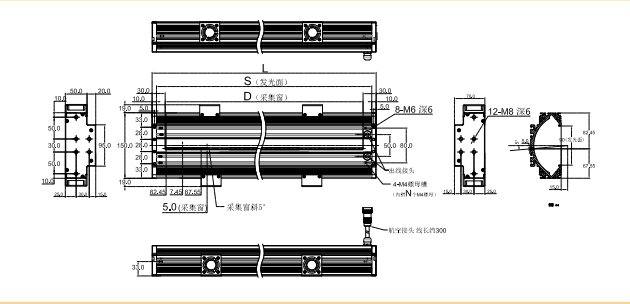
FN Fan cooled 风冷

EXTERNAL DIMENSION DRAWING 外观图



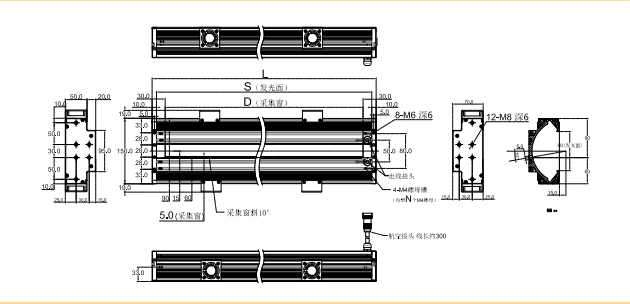
※ 采集窗无倾斜

EXTERNAL DIMENSION DRAWING 外观图

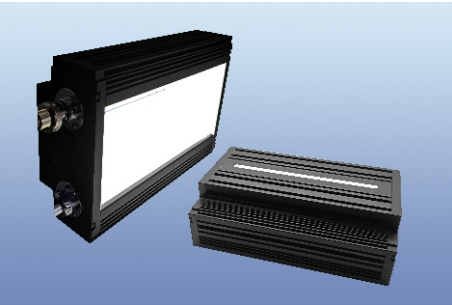


※ 采集窗斜5°

EXTERNAL DIMENSION DRAWING 外观图



※ 采集窗斜10°



Model 型号	Color 颜色	Power 功率	Power 功率	Dimension 尺寸(mm)				Nut 螺母
				S	L	D	N	
TSL2-100 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	10.7W*2	15.38W*2	100	120	60	2	
TSL2-200 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	21.4W*2	30.76W*2	200	220	160	2	
TSL2-300 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	32.1W*2	46.14W*2	300	320	260	2	
TSL2-400 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	42.8W*2	61.52W*2	400	420	360	3	
TSL2-500 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	53.5W*2	76.9W*2	500	520	460	4	
TSL2-600 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	64.2W*2	92.28W*2	600	620	560	4	
TSL2-700 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	74.9W*2	107.66W*2	700	720	660	4	
TSL2-800 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	85.6W*2	123.04W*2	800	820	760	5	
TSL2-900 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	96.3W*2	138.42W*2	900	920	860	5	
TSL2-1000 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	107W*2	153.8W*2	1000	1020	960	5	
TSL2-1100 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	117.7W*2	169.18W*2	1100	1120	1060	6	
TSL2-1200 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	128.4W*2	184.56W*2	1200	1220	1160	6	
TSL2-1300 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	139.1W*2	199.94W*2	1300	1320	1260	7	
TSL2-1350 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	144.45W*2	207.63W*2	1350	1370	1310	7	
TSL2-1400 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	149.8W*2	215.32W*2	1400	1420	1360	7	
TSL2-1500 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	160.5W*2	230.7W*2	1500	1520	1460	8	
TSL2-1600 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	171.2W*2	246.08W*2	1600	1620	1560	8	
TSL2-1700 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	181.9W*2	261.46W*2	1700	1720	1660	9	
TSL2-1800 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	192.6W*2	276.84W*2	1800	1820	1760	9	
TSL2-1900 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	203.3W*2	292.22W*2	1900	1920	1860	10	
TSL2-2000 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	214W*2	307.6W*2	2000	2020	1960	10	
TSL2-2100 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	224.7W*2	322.98W*2	2100	2120	2060	11	
TSL2-2200 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	235.4W*2	338.36W*2	2200	2220	2160	11	
TSL2-2300 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	246.1W*2	353.74W*2	2300	2320	2260	12	
TSL2-2400 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	256.8W*2	369.12W*2	2400	2420	2360	12	
TSL2-2500 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	267.5W*2	384.5W*2	2500	2520	2460	13	
TSL2-2600 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	278.2W*2	399.88W*2	2600	2620	2560	13	
TSL2-2700 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	288.9W*2	415.26W*2	2700	2720	2660	14	
TSL2-2800 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	299.6W*2	430.64W*2	2800	2820	2760	14	
TSL2-2900 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	310.3W*2	446.02W*2	2900	2920	2860	15	
TSL2-3000 □ -FN	Red,White,Blue,Green 红,白,蓝,绿	321W*2	461.4W*2	3000	3020	2960	15	

※ □ Choose colors (R, G, B, DW) □ 选择出光色(红,绿,蓝,白,红外)

※ Power is calculated from test results and is not guaranteed
功率为参考值，并非保证值

※ The product is given power specifications use a dedicated power supply
该产品为指定电源规格请使用专用电源

※ The length of line light can be customized for each 50mm .
线光源长度可以根据要求每增加 50mm 定制。

Multi Angle Line Type

多角度线光源

RoHS

(Usage) 【用途】

- 大幅面印刷、文字检测 Large products inspection text/printing
- 大范围缺陷检测 Large products defect inspection
- 钢板、铝板、薄膜检测 Steel/aluminum/film inspection

型号
Model

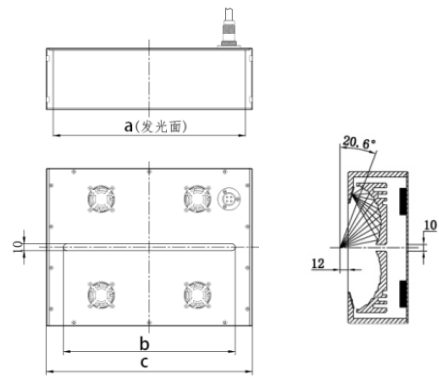
TMSL

Length
发光面长度

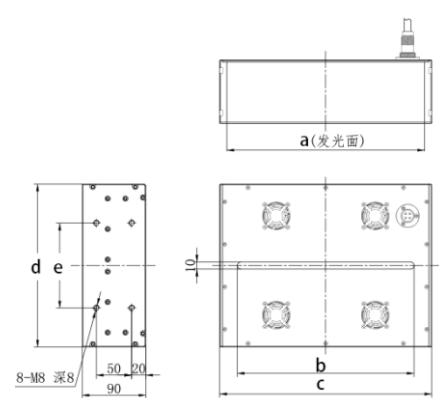
Color (R / G / B / W)
色(红/绿/蓝/白)



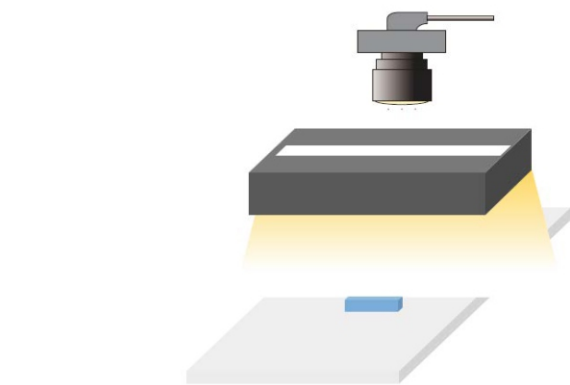
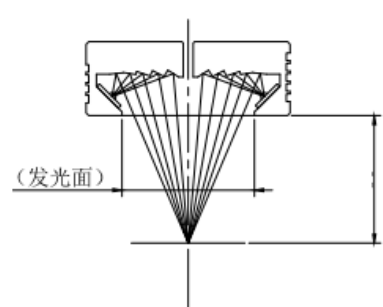
EXTERNAL DIMENSION DRAWING 外观图



EXTERNAL DIMENSION DRAWING 外观图



EXTERNAL DIMENSION DRAWING 外观图



Model 型号	Color 颜色	Power		Dimension 尺寸(mm)				
		● 功率	● 功率	a	b	c	d	e
TMSL-100□	Red,White,Blue,Green 红,白,蓝,绿	17.2W	52W	100	70	120	230	120
TMSL-200□	Red,White,Blue,Green 红,白,蓝,绿	34.4W	104W	200	170	220	230	120
TMSL-300□	Red,White,Blue,Green 红,白,蓝,绿	51.6W	156W	300	270	320	230	120
TMSL-400□	Red,White,Blue,Green 红,白,蓝,绿	68.8W	208W	400	370	420	230	120
TMSL-500□	Red,White,Blue,Green 红,白,蓝,绿	86W	260W	500	460	520	230	120
TMSL-600□	Red,White,Blue,Green 红,白,蓝,绿	103.2W	312W	600	560	620	230	120
TMSL-700□	Red,White,Blue,Green 红,白,蓝,绿	120.4W	364W	700	660	720	230	120
TMSL-800□	Red,White,Blue,Green 红,白,蓝,绿	137.6W	416W	800	760	820	230	120
TMSL-900□	Red,White,Blue,Green 红,白,蓝,绿	154.8W	468W	900	860	920	230	120
TMSL-1000□	Red,White,Blue,Green 红,白,蓝,绿	172W	520W	1000	960	1020	230	120
TMSL-1100□	Red,White,Blue,Green 红,白,蓝,绿	189.2W	572W	1100	1060	1120	230	120
TMSL-1200□	Red,White,Blue,Green 红,白,蓝,绿	206.4W	624W	1200	1160	1220	230	120
TMSL-1300□	Red,White,Blue,Green 红,白,蓝,绿	223.6W	676W	1300	1260	1320	230	120
TMSL-1400□	Red,White,Blue,Green 红,白,蓝,绿	240.8W	728W	1400	1360	1420	230	120
TMSL-1500□	Red,White,Blue,Green 红,白,蓝,绿	258W	780W	1500	1460	1520	230	120

- ※ □ Choose colors (R, G, B, DW) □ 选择出光色(红,绿,蓝,白,红外)
- ※ Power is calculated from test results and is not guaranteed
功率为参考值，并非保证值
- ※ The product is given power specifications use a dedicated power supply
该产品为指定电源规格请使用专用电源
- ※ The length of line light can be customized for each 50mm .
线光源长度可以根据要求每增加 50mm 定制.

High Power Supply

大功率电源控制器 线光源专用电源

RoHS

Features 特长

- LAN Communication for control with the RS232 RS232通信控制
- Output Voltage 24V can be choose 可选择24V电压输出

型号
Model

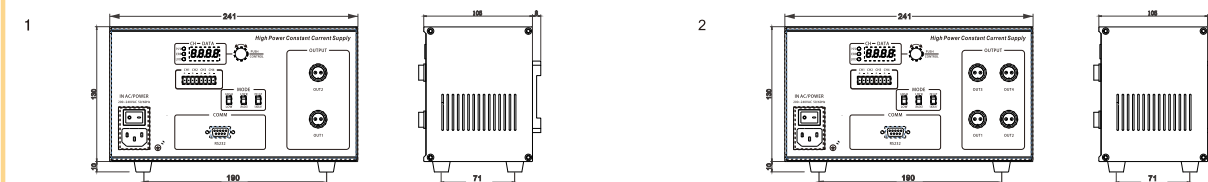
THP

Out put
输出功率

CH output ons
输出通道



EXTERNAL DIMENSION DRAWING 外观图



Model 型号	THP-600-4	THP-600-2	THP-450-4	THP-450-2	THP-350-4	THP-350-2	THP-200-4	THP-200-2
Input Voltage 输入电压	200-264VAC							
Output Voltage 输出电压	24VDC							
Output Power 输出功率	600W	600W	450W	450W	350W	350W	200W	200W
Output Current 输出电流	Single Channel单通道 6.25A(150W Max)	Single Channel单通道 12.5A(300W Max)	Single Channel单通道 4.5A(110W Max)	Single Channel单通道 9.2A(220W Max)	Single Channel单通道 3.5A(85W Max)	Single Channel单通道 7.2A(175W Max)	Single Channel单通道 2.0A(50W Max)	Single Channel单通道 4.1A(100W Max)
Output CH 输出通道	4CH	2CH	4CH	2CH	4CH	2CH	4CH	2CH
Driving Mode 驱动方式	Hengliu Control恒流控制, None frequency blinking无频闪(Level256级)							
Glow Mode 发光方式	Always bright/external trigger frequency blinking常亮/外部触发频闪							
Trigger Response 触发响应	<10us							
Communication 通信方式	RS232 Serial Communications串口通信; RJ45 Network communication网口通信(Select Configure选配)							
Temperature and humidity 使用温度湿度	Temperature温度: 0~40°C; Humidity湿度: 20~85% RH No condensation无凝结							
Product Size 产品尺寸	241*105*140mm(Height高)							
Cooling Method 冷却方式	Fan Cooling风冷							
External dimension drawing 外观图	2	1	2	1	2	1	2	1

Custom-made and Special Design
特别设计及定制项目

Angle 尺寸规格	Power capacity 电源容量
Dimming 调光方式	Output CH 输出通道
Mounting Hole 安装方式	Response speed 触发延迟

High Power Strobe Digital Supply

NEW

大功率分时频闪控制器 线光源专用电源

RoHS

Features 特长

- LAN Communication for control with the RS232 LAN接口RS232通信控制
- DIN rail installation correspondence DIN 导轨安装固定
- Output Voltage 5V can be choose 可选择24V电压输出

型号
Model

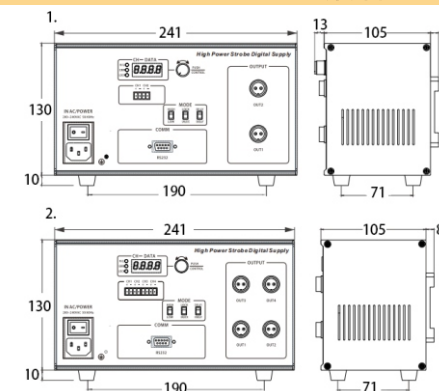
TSPH

Out put
输出功率

CH output ons
输出通道



EXTERNAL DIMENSION DRAWING 外观图



Model 型号	TSPH-600-4	TSPH-600-2	TSPH-450-4	TSPH-450-2	TSPH-350-4	TSPH-350-2	TSPH-200-4	TSPH-200-2
Input Voltage 输入电压	200-264VAC							
Output Voltage 输出电压	24VDC							
Output Power 输出功率	600W	600W	450W	450W	350W	350W	200W	200W
Output Current 输出电流	Single Channel单通道 6.25A(150W Max)	Single Channel单通道 12.5A(300W Max)	Single Channel单通道 4.5A(110W Max)	Single Channel单通道 9.2A(220W Max)	Single Channel单通道 3.5A(85W Max)	Single Channel单通道 7.2A(175W Max)	Single Channel单通道 2.0A(50W Max)	Single Channel单通道 4.1A(100W Max)
Output CH 输出通道	4CH	2CH	4CH	2CH	4CH	2CH	4CH	2CH
Driving Mode 驱动方式	Hengliu Control恒流控制, None frequency blinking无频闪(Level256级)							
Glow Mode 发光方式	Always bright/external trigger frequency blinking常亮/外部触发频闪							
Trigger Response 触发响应	<1us							
Communication 通信方式	RS232 Serial Communications串口通信; RJ45 Network communication网口通信(Select Configure选配)							
Temperature and humidity 使用温度湿度	Temperature温度: 0~40°C; Humidity湿度: 20~85% RH No condensation无凝结							
Product Size 产品尺寸	241*105*140mm(Height高)							
Cooling Method 冷却方式	Fan Cooling风冷							
External dimension drawing 外观图	2	1	2	1	2	1	2	1