

LINEAR LIGHTING SOLUTION

LL / CLL / HILL / CHILL Series

More brightness and higher throughput
line scan imaging is possible.

Ultra high intensity over 6M Lux.



Linear Lights

- High uniformity, low cost, 100K~200K Lux.
- Excellent brightness without cooling fan



LL	200	W	20W	F80	R
Series Linear Light	Emitting Length	Color	Power Consumption	Working Distance	Illumination Type R = Reflection type T = Transmission type

CLL	300	W	30W	F80	T
Series Coaxial Linear Light	Emitting Length	Color	Power Consumption	Working Distance	Illumination Type Transmission type only

High Intensity Linear Lights

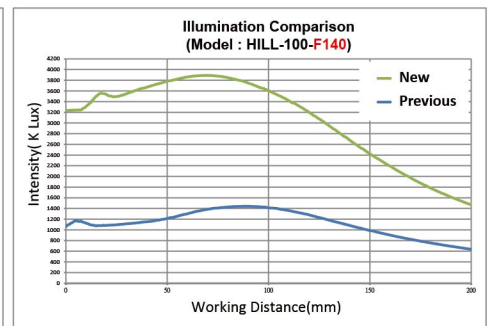
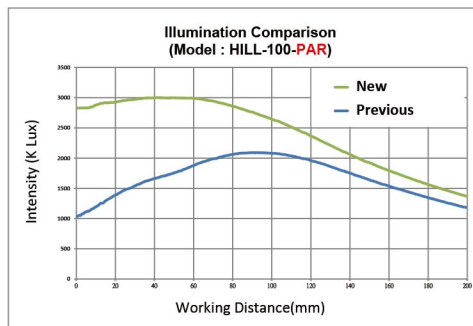
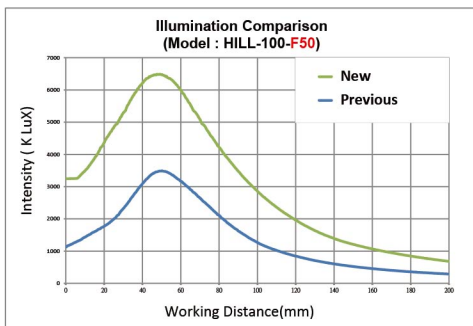
- Ultra high intensity, high power density, over 6M Lux.
- Optional built-in cooling fan & temperature sensor for thermal management.



HILL	100	W	150W	F140
Series High Intensity Linear Light	Emitting Length	Color	Power Consumption	Working Distance

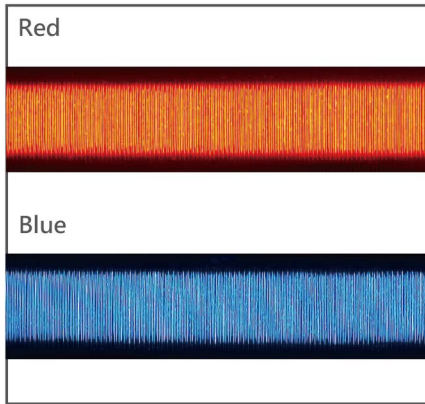
CHILL	200	W	200W	PAR
Series Coaxial High Intensity Linear Light	Emitting Length	Color	Power Consumption	Parallel

In the new HILL series, we upgrade 80% power density to reach 2X~3X brightness improvement.



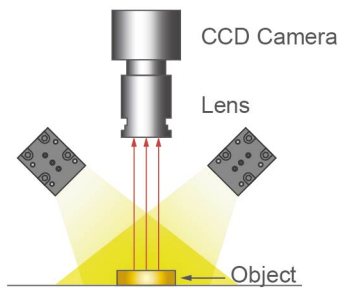
The Definition of Illumination Types

- Reflection Type
(End of the model name : - R)

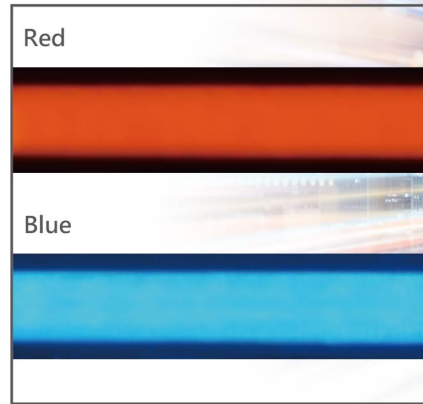


Reflection

The camera grabs the image from the reflective lights of the object's characteristic. (e.g. PCB or Flip-chip)

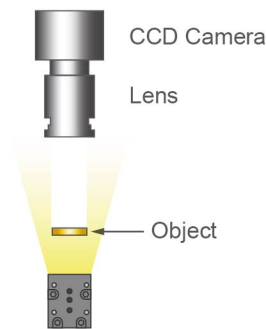


- Transmission Type
(End of the model name : - T)

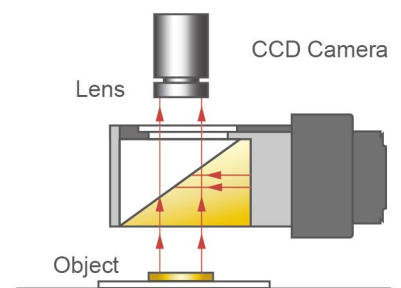


Transmission

The camera sees through the object and grabs the images from the lights that penetrate the object (e.g. glass or transparent film). Also suitable for high reflectivity objects.



Coaxial Type (Optional)



Linear Lighting Selection Guide

Series	LL	LL-LV	HILL
Description	Linear Lights	Linear Lights - Low Voltage	High Intensity Linear Lights
Emitting Length (mm)	100 / 200 / 300 / 400		50 / 100 / 200 300 / 400
Customized Emitting Length (mm)	50~2000mm		50~600mm
Color / Wavelength	W / R / B / G / UV / IR	W / R / B / G / IR	W / R / B / G / RGBW
	Customized wavelength available	Customized wavelength available	Customized wavelength available
Working Distance (mm)	80 / PAR		50 / 80 / 140 / PAR 50 / 140 / PAR
Inspection Mode	Transmission / Reflection		-
Voltage (V)	48	24	48
Coaxial Type	Available	Available	Available
Drive mode	Continuous	Continuous	Continuous / Pulse
Cooling Fan	N / A	N / A	YES
Fan Monitoring	-	-	Optional

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