

VISION DATUM LIGHTS

The Leader and Innovator in Machine Vision Lighting



ABOUT US

Vision Datum as leading manufacturer of machine vision products in China, have almost 20 years in this industry, and the major products cover machine vision lighting / illumination, camera, lens, machine vision algorithms and storage software.

With abundant experience in industry application and scientific research, Vision Datum Machine Vision Led Illumination offer a wide range of selections, and we provide OEM / ODM customization for various lighting solutions, including but not limited to Line Scan Lights, Telecentric Lights, Ultraviolet and Infrared Lights, Waterproof and Anti-corrosion Lighs, and Multi-spectral Lights.

Vision Datum products have been exported to almost 100 countries and regions, and in thousands of projects have received countless affirmations and reputations. Vision Datum machine vision products are well-known as innovative, flexible, stable and easy to use, enabling reliable inspection in many applications.









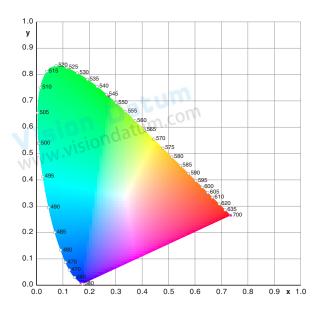


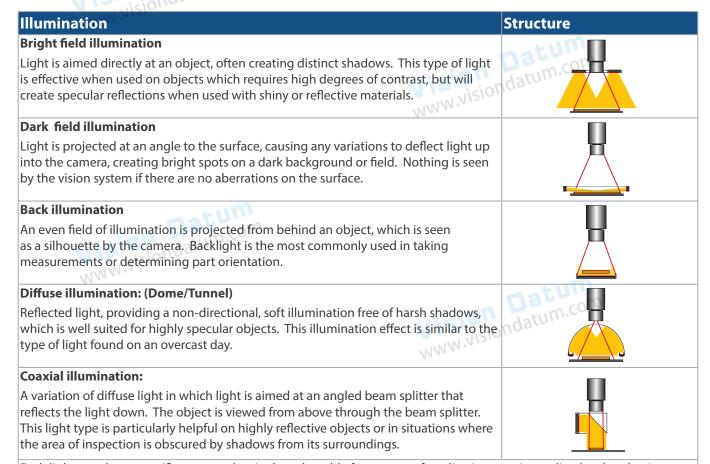
USEFUL INFORMATION

Color Wavelength

The durability of LEDs is on the upper area of the durability spectrum. The duration in which LED remains fully functional depends on the operating temperature and ambient temperature.

Vision Datum gives an extended guarantee on its LEDs. All housings, except some bar lights, are manufactured by high quality alumium. Besides, the light intensity of all the lights can be regulated as well as flashed.





Line Scan Illumination LiN + Series

Features

- With high power LEDs, the light intensity is times higher than standard one.
- Aluminum housings ensure an optimal heat dissipation and dispose of various practical mounting possibilities.

Applications

- Inspection of LCD, TP screen, LTO circuit, PCB circuit, medicine and food packaging, defects of printing surface on the assembly line, etc..
- · Appearance inspection of food or medicine



Examples of LiN+ Series Images



Illumination Structure

Common Specifications

Input voltage	48 VDC
Connector	ZHQCN-19M-6H
Polarity	1:(Light source +), 2: (Light source -), 3:(Fan +), 4:(Fan -), 5:(R +), 6:(R -)
Cable length	/
Auxiliary module	VT-LT3-PiC+ Kit
Operating environment (indoor)	Temperature: 0~40°C Humidity:20% to 85% RH (with no condensation)
Life time	White:30,000hrs, Red: 60,000hrs (Depends on the operating environment, not a gurantee)
Case material	Aluminum alloy, Resin

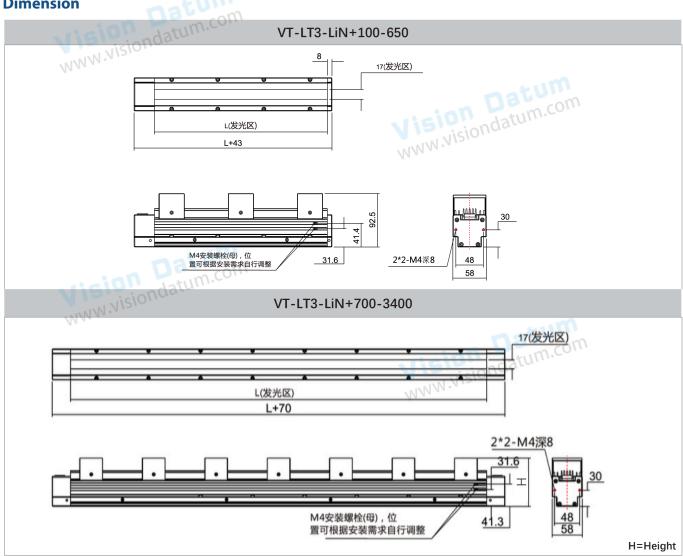
Explanation of Model Code

Target

VT-LT3-LiN+	100
Series	Emitting Length

	Optical	spec.	Electrical spe (GREEN / NIR / UV		Dimensions			
Model No.	Light Area		Supply Voltage	Power cons.	Length	Width	Height	
	Length (mm)	Width (mm)	(v)	(w) • ○ •	(mm)	(mm)	(mm)	
VT-LT3-LiN+100	100	17	48	-	143	58	90.1	
VT-LT3-LiN+168	168	17	48	48	211	58	101.6	
VT-LT3-LiN+200	200	17	48	-	243	58	90.1	
VT-LT3-LiN+300	300	17	48	96	343	58	92.5	
VT-LT3-LiN+400	400	17	48	129.6	443	58	92.5	
VT-LT3-LiN+500	500	17	48	172.8	543	58	92.5	
VT-LT3-LiN+600	600	17	48	216	643	58	92.5	
VT-LT3-LiN+650	650	17	48	259.2	693	58	90.1	
VT-LT3-LiN+700	700	17	48	VIS isia	770	58	90.1	
VT-LT3-LiN+800	800	17	48	336	870	58	90.1	
VT-LT3-LiN+900	900	17	48	384	970	58	90.1	
VT-LT3-LiN+1000	1000	17	48	393.6	1070	58	90.1	
VT-LT3-LiN+1100	1100	17	48	432	1170	58	90.1	
VT-LT3-LiN+1200	1200	17	48	480	1270	58	90.1	
VT-LT3-LiN+1800	1800	17	48	518.4	1870	58	90	
VT-LT3-LiN+2200	2200	17	48	778	2270	58	90	
VT-LT3-LiN+3400	3400	17	48	952	3470	-	91	

Dimension



Overview **Light Controller Collection**



Model ^{N.W.}	Drive	In most Valta na	Output	Danner	Output Company	channal of	Output David	Adapt to
Model	Mode	Input Voltage	Voltage	Power	Output Current	Channel	Output Port	line light
Digital Controller				V	isionda	Corr		
VT-LT4-0506PWDC-2	Constant Current	88V-264V	5V	Total:6W/Single :3W Expandable: Total:12W/Single:6W	/	2	SMP-03V	
VT-LT4-2420PWDC-2	Constant Voltage	88V-264V	24V	Total:20W Single:20W	/	2	SMP-03V	
VT-LT4-2460PWDC-4	Constant Voltage	88V-264V	24V	Total:60W Single:25W	/	4	SMP-03V	
VT-LT4-24150PWDC-4	Constant Voltage	88V-264V	24V	Total:150W Single:70W	/	4	SMP-03V	
VT-LT3-24240PWDC-2	Constant Current	100V-120V(Ver.A) 200V-240V(Ver.B)	24V	240W	Total:10A Single:10A	2	19M-5	√
VT-LT3-24500PWDC-2	Constant Voltage	100V-240V	24V	480W	Total:20A Single:light 9A, fan 1A	2	19M-2E	
VT-LT4-48300PWDC-1	Constant Current	90V-264V	48V	300W	0-6A	1	+	
Stroboscopic Controller	(With Brig	htening Module)					0	
VT-LT3-PLU24120-4	Constant Voltage	100V-240V	48V	120W	10A(Instantaneous Value)	4	SMP-03V-BC	
VT-LT3-PLU24200-2	Constant Voltage	100V-240V	48V	200W	50A(Instantaneous Value)	2	12M-2	
VT-LT3-PLU24200-4	Constant Voltage	100V-240V	48V	200W	25A(Instantaneous Value)	4	SMP-03V-BC	
Line Source Stroboscopi	c Controlle	r (With Brightening	g Module	2)				
VT-LT3-PLU481000LI-6	Constant Voltage	100V-240V	48V	1000W	Total:25A Single:25A	6	16M-2	√
Line Source Controller								
VT-LT3-24300PWLI-1	Constant Voltage	100V-240V	24V	≤ 300W	12.5A	1	AM20K4Z	√
VT-LT3-48600PWLI-2	Constant Current	100V-120V(Ver.A) 200V-240V(Ver.B)	48V	600W	Total:12A Single:6A	2	19M-6	√
VT-LT3-48600PWLIN-1	Constant Current	100V-120V(Ver.A) 180V-240V(Ver.B)	48V	≤ 600W	Total:12A Single:6A	1	19M-6	√
VT-LT3-48300PWLIN-2	Constant Current	100V-240V	48V	≤ 300W	Total:6A Single:6A	2	16M-6	√
VT-LT3-48600PWLIN-2	Constant Current	180V-240V	48V	≤ 600W	Total:12A Single:6A	atu ₂ m.	19M-6	√
VT-LT3-48800PWLIN-1	Constant Current	100V-240V	48V		14A	1	19M-6	√
VT-LT3-48800PWLIN-2	Constant Current	100V-240V	48V	≤ 800W /Single ≤ 400W	14A	2	19M-6	√
VT-LT3-481200PWLIN-1	Constant Current	100V-240V	48V	≤ 1200W	Total:24A Single:12A	1	19M-6	√
Analog Controller								
VT-LT4-0506PWAC-2	Constant Current	88V-264V	5V	Total:6W Single:3W	/	2	SMP-03V	
VT-LT3-2460PWAC-4	Constant Voltage	100V-240V	24V	60W	Total:2.5A Single:2.5A	4	SMP-03V-BC	

Note: Default -Ver.B version voltage



Infrared Series Camera

- ♦ Short-Wave(SWIR) Industrial Cameras: 400-1800nm
 ♦ Cooled Mid 14/2
- ♦ Cooled Mid-Wave Infrared(MWIR) Cameras: 1500-5200nm
- ♦ Long-Wave Infrared(LWIR) Industrial Cameras: 8000-14000nm







MWIR

LWIR

High-Speed Camera

- ♦ 10GigE, SDI
- 1000 ~ 1000000 FPS

iSpeedy SE Series •



iSpeedy Series



Vision And More Available

让工业更智能, 让视觉更简单!



SWIR Camera Industrial Camera



Macro Lens Industrial Lens



Microscope



System Solution No-programming Software



ADD: No 8, Xiyuan 9th Road Hangzhou 310030 China

TEL: 86-571-86888309

Email: market@visiondatum.com Web: www.visiondatum.com



Official Website



Online Store