

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.









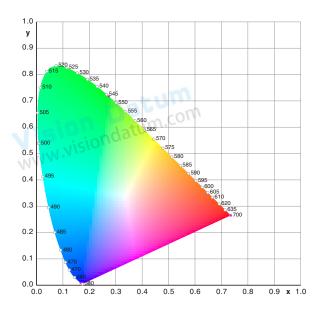


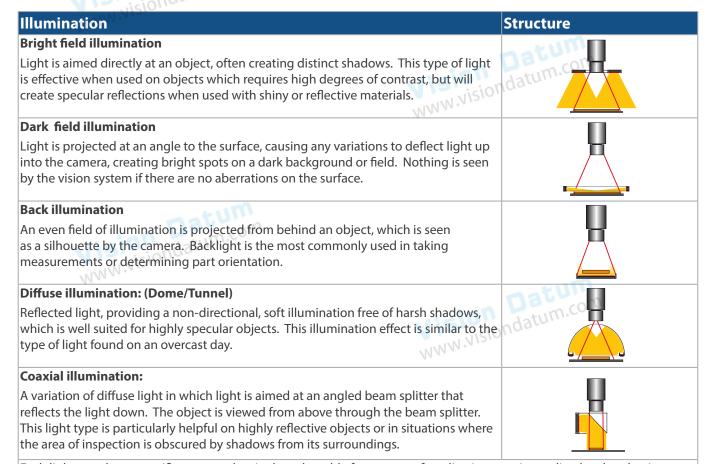
USEFUL INFORMATION

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.





Shadowless Ring Illumination - High Angle

GWR Series (Standard with diffuser panel)

Features

- The lights achieve a uniform region with high luminance by using unique illumination mechanism.
- · Compact design, convenient to installation.

Applications

• Inspection of defects on unfairness specular surface, food and medicine packages, the welding points of electronic components, etc..



Examples of Shadowless GWR Light Images





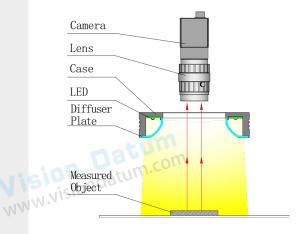
Imaging of keyboard and inner buttons



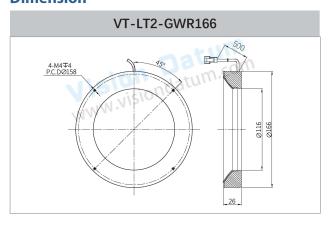
Lights: GWR150W

Imaging of cambered surface

Illumination Structure



Dimension



Explanation of Model Code

VT-LT2-GWR	60	(W/B/R)
Series	Outer Diameter	Color



Overview **Light Controller Collection**



Digital Controller	Visionace								
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:2DW Single:2DW / 2 SMP-03V VT-LT4-2460PWDC-4 Constant Voltage 88V-264V 24V Total:6DW / 4 SMP-03V VT-LT4-24150PWDC-4 Constant Voltage 88V-264V 24V Total:50W / 4 SMP-03V VT-LT3-24240PWDC-2 Constant Voltage 100V-120V(Ver.A) 24V 240W Total:10A Single:10A 2 19M-5 VT-LT3-24500PWDC-2 Constant Voltage 100V-240V 24V 480W Total:20A Single:10A 2 19M-5 VT-LT3-PLU24120-4 Constant Current 90V-264V 48V 300W 0-6A 1 - VT-LT3-PLU24200-2 Constant Voltage 100V-240V 48V 200W 50A(Instantaneous Value) 50A(Instantaneous Value) 50A(Instantaneous Value) 2 12M-2 VT-LT3-PLU24200-2 Constan	Model	Drive Mode	Input Voltage	Output Voltage		Output Current	Channel	Output Port	Adapt to line light
VT-LT4-2420PWDC-2	gital Controller					isionda	(a)		
VT-LT4-2420PWDC-2 Voltage 88V-264V 24V Single:20W 7 2 SMP-03V VT-LT4-2460PWDC-4 Constant Voltage 88V-264V 24V Total:150W Single:28W / 4 SMP-03V VT-LT3-24240PWDC-2 Constant Current Voltage 88V-264V 24V Total:150W Single:70W / 4 SMP-03V VT-LT3-24240PWDC-2 Constant Current Voltage 24V 240W Total:10A Single:10A Single:10A Single:19th 9A, 2 19M-5 VT-LT3-24500PWDC-1 Constant Current Voltage 90V-264V 48V 300W 0-6A 1 - 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 \$25A(Instantaneous Value) 2 12M-2 VAILED VT-LT3-PLU481000Ll-6 Constant Voltage 100V-240V 48V 200W \$25A(Instantaneous Value) 4 SMP-03V-BC VT-LT3-BLU481000Ll-6 Constant Voltage 100V-240V 48V <td>T-LT4-0506PWDC-2</td> <td></td> <td>88V-264V</td> <td>5V</td> <td>Expandable:</td> <td>/</td> <td>2</td> <td>SMP-03V</td> <td></td>	T-LT4-0506PWDC-2		88V-264V	5V	Expandable:	/	2	SMP-03V	
VT-LT4-2450PWDC-4 Voltage 88V-264V 24V Single:25W 7 4 SMP-03V VT-LT4-24150PWDC-4 Constant Voltage 88V-264V 24V Total:150W Single:70W 7 4 SMP-03V VT-LT3-24240PWDC-2 Constant Current 100V-120V(Ver.A) 24V 24V 240W Total:10A Total:10A Total:10A Single:10h 2 Single:1	T-LT4-2420PWDC-2		88V-264V	24V		/	2	SMP-03V	
VT-LT3-2420PWDC-2 Voltage 88V-264V 24V Single:70W 7 4 SMP-03V VT-LT3-24240PWDC-2 Constant Courrent 200V-240V(Ver.B) 24V 240W Total:10A 2 19M-5 2 19M-5 VT-LT3-24500PWDC-2 Constant Voltage Current Voltage 100V-240V 24V 480W Total:20A 3 ingle:light 9A, 2 19M-2E frain 1A 2 19M-2E frain 1A VT-LT4-48300PWDC-1 Constant Current Voltage 90V-264V 48V 300W 0-6A 1 - Stroboscopic Controller (With Brightening Module) VT-LT3-PLU24120-4 Constant Voltage 100V-240V 48V 200W 25A(Instantaneous Value) 2 12M-2 VT-LT3-PLU24200-4 Constant Voltage 100V-240V 48V 200W 25A(Instantaneous Value) 4 SMP-03V-BC Line Source Stroboscopic Controller (With Brightening Module) VT-LT3-PLU481000LI-6 Constant Voltage 100V-240V 48V 1000W Total:25A 6 16M-2 16M-2 Line Source Controller VT-LT3-48600PWLI-1 Constant Current 100V-240V 24V ≤ 300W 12.5A 1 AM20K4Z VT-LT3-48600PWLIN-2 Constant Current 100V-240V 48V ≤ 600W	-LT4-2460PWDC-4		88V-264V	24V		/	4	SMP-03V	
VT-LT3-2420PWDC-2 Current 200V-240V(ver.B) 24V 24UW Single:10A 2 19M-5 VT-LT3-24500PWDC-2 Constant Voltage 100V-240V 24V 480W Total:220A Single:light 9A, fan 1 A 2 19M-2E VT-LT4-48300PWDC-1 Constant Current 90V-264V 48V 300W 0-6A 1 - Stroboscopic Controller (With Brightening Module) VT-LT3-PLU24120-4 Constant Voltage 100V-240V 48V 200W 50A(Instantaneous Value) 2 12M-2 VT-LT3-PLU24200-2 Constant Voltage 100V-240V 48V 200W 25A(Instantaneous Value) 4 5MP-03V-BC Line Source Stroboscopic Controller (With Brightening Module) 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-LT3-48600PWLIN-1 Constant Current	T-LT4-24150PWDC-4		88V-264V	24V		/	4	SMP-03V	
VT-LT3-24500PWDC-2 Constant Current 100V-240V 24V 480W Single-light 9A, fan 1A 2 19M-2E VT-LT4-48300PWDC-1 Constant Current 90V-264V 48V 300W 0-6A 1 - Stroboscopic Controller (With Brightening Module) VT-LT3-PLU24120-4 Constant Voltage 100V-240V 48V 200W 50A(Instantaneous Value) 2 12M-2 VT-LT3-PLU24200-2 Constant Voltage 100V-240V 48V 200W 25A(Instantaneous Value) 4 SMP-03V-BC VT-LT3-PLU24200-4 Constant Voltage 100V-240V 48V 200W 25A(Instantaneous Value) 4 SMP-03V-BC Line Source Stroboscopic Controller (With Brightening Module) VT-LT3-PLU481000LI-6 Constant Voltage 100V-240V 48V 1000W Total:25A Single:25A 6 16M-2 Line Source Controller VT-LT3-248600PWLI-1 Constant Current 100V-240V 24V ≤ 300W 12.5A 1 AM20K4Z VT-	T-LT3-24240PWDC-2		, ,	24V	240W		2	19M-5	√
Stroboscopic Controller (With Brightening Module) 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 Stroboscopic Controller (With Brightening Module) VT-LT3-PLU481000LI-6 Constant Voltage 100V-240V 48V 1000W Total:25A Single:25A 6 16M-2 Line Source Controller VT-LT3-24300PWLI-1 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-LT3-48800PWLIN-2 Constant Current Current Current Current Urrent Current 180V-240V 48V ≤ 600W Total:12A Single:6A 2 19M-6 VT-LT3-48800PWLIN-1 Constant Current Curr	T-LT3-24500PWDC-2		100V-240V	24V	480W	Single:light 9A,	2	19M-2E	
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 Stroboscopic Controller (With Brightening Module) 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 200V-240V(Ver.B) 48V 600W Total:12A Single:6A 2 19M-6 VT-LT3-48600PWLIN-2 Constant Current Cur	-LT4-48300PWDC-1	3.4	90V-264V	48V	300W	0-6A	1	-	
VT-LT3-PLU24200-2 Constant Voltage 100V-240V 48V 120W 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 Stroboscopic Controller (With Brightening Module) 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 200V-240V(Ver.A) 48V 600W Total:12A Single:6A 2 19M-6 VT-LT3-48600PWLIN-1 Constant Current Current Current Current 100V-240V (48V ≤ 600W Total:6A Single:6A 2 16M-6 VT-LT3-48600PWLIN-2 Constant Current Constant Current C	roboscopic Controller	(With Brig	htening Module)				- 40	Δ	
VT-LT3-PLU24200-2 Voltage 100V-240V 48V 200W Value 2 12M-2 VT-LT3-PLU24200-4 Constant Voltage 100V-240V 48V 200W 25A(Instantaneous Value) 4 SMP-03V-BC 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 Cu	T-LT3-PLU24120-4		100V-240V	48V	120W	,		SMP-03V-BC	
VT-LT3-PL024200-4 Voltage 100V-240V 48V 200W Value 4 SMP-03V-BC Line Source Stroboscopic Controller 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 200V-240V(Ver.A) 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-LT3-48800PWLIN-2 Constant Current 100V-240V 48V ≤ 300W Total:12A Single:6A 2 19M-6 VT-LT3-48800PWLIN-1 Constant Current 100V-240V 48V ≤ 600W Total:12A Single:6A 2 19M-6 VT-LT3-48800PWLIN-1 Constant Current 100V-240V 48V ≤ 600W Total:12A Single:6A 2 19M-6	Г-LT3-PLU24200-2		100V-240V	48V	200W		2	12M-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-240V (Ver.B) 180V-240V(Ver.B) 48V ≤ 600W Total:12A Single:6A 1 19M-6 VT-LT3-48600PWLIN-2 Constant Current 100V-240V 48V ≤ 600W Total:12A Single:6A 2 19M-6 VT-LT3-48800PWLIN-1 Constant Current 100V-240V 48V ≤ 600W Total:12A Single:6A 2 19M-6 VT-LT3-48800PWLIN-1 Constant Current 100V-240V 48V < 800W	T-LT3-PLU24200-4		100V-240V	48V	200W	All the second s	4	SMP-03V-BC	
VI-LI3-PL0481000LI-6 Voltage 100V-240V 48V 1000W 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-240V(Ver.B) 48V ≤ 600W Total:12A Single:6A 1 19M-6 VT-LT3-48600PWLIN-2 Constant Current 100V-240V 48V ≤ 600W Total:12A Single:6A 2 19M-6 VT-LT3-48800PWLIN-1 Constant Current 180V-240V 48V ≤ 600W Total:12A Single:6A 2 19M-6 VT-LT3-48800PWLIN-1 Constant Current 100V-240V 48V < 800W	ne Source Stroboscopi	c Controlle	r (With Brightening	g Module	e)				
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 2 19M-6 VT-LT3-48800PWLIN-1 Constant Current 100V-240V 48V < 800W	-LT3-PLU481000LI-6		100V-240V	48V	1000W		6	16M-2	√
VT-LT3-48600PWLI-1 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:12A Single:6A 2 16M-6 VT-LT3-48600PWLIN-2 Constant Current 180V-240V 48V ≤ 600W Total:12A Single:6A 2 19M-6 VT-LT3-48800PWLIN-1 Constant Current 100V-240V 48V < 800W	ne Source Controller								
VT-LT3-48600PWLIN-1 Current 200V-240V(Ver.B) 48V 600W Single:6A 2 19M-6 VT-LT3-48600PWLIN-1 Constant Current 180V-240V(Ver.B) 48V ≤ 600W Total:12A Single:6A 1 19M-6 VT-LT3-48300PWLIN-2 Constant Current Current 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 2 19M-6 VT-LT3-48800PWLIN-1 Constant Current 100V-240V 48V < 800W	ī-LT3-24300PWLI-1		100V-240V	24V	≤ 300W	12.5A	1	AM20K4Z	√
VT-LT3-48600PWLIN-1 Current Current 180V-240V(Ver.B) 48V ≤ 600W 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 2 19M-6 VT-LT3-48800PWLIN-1 Constant Current 100V-240V 48V < 800W	ī-LT3-48600PWLI-2			48V	600W		2	19M-6	√
VT-LT3-48300PWLIN-2 Current Current 100V-240V 48V ≤ 300W Single:6A 2 16M-6 VT-LT3-48600PWLIN-2 Constant Current 180V-240V 48V ≤ 600W Total:12A Single:6A 2 19M-6 VT-LT3-48800PWLIN-1 Constant Current 100V-240V 48V < 800W	T-LT3-48600PWLIN-1		/	48V	≤ 600W		1	19M-6	√
VT-LT3-48800PWLIN-1	T-LT3-48300PWLIN-2		100V-240V	48V	≤ 300W		2	16M-6	√
Current	7-LT3-48600PWLIN-2		180V-240V	48V		Single:6A	atun	19M-6	√
	T-LT3-48800PWLIN-1		100V-240V	48V	< 800W	14A	1	19M-6	√
VT-LT3-48800PWLIN-2	T-LT3-48800PWLIN-2		100V-240V	48V			2	19M-6	√
VT-LT3-481200PWLIN-1	T-LT3-481200PWLIN-1		100V-240V	48V	≤ 1200W		1	19M-6	√
Analog Controller	halog Controller								
VT-LT4-0506PWAC-2	T-LT4-0506PWAC-2		88V-264V	5V			2	SMP-03V	
VT-LT3-2460PWAC-4	T-LT3-2460PWAC-4		100V-240V	24V	60W		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