

# LATITUDE™



Latitude – VIVID



Latitude – L



Latitude – LS



Latitude – C

LITECONTROL

## THINK THIN

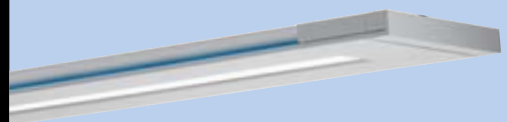
## THINK GREEN

## THINK LATITUDE



Our focus on sustainability and our continuous improvement processes earned Litecontrol the coveted Cradle to Cradle Silver Certification<sup>CM</sup> for all products manufactured in our factories. Latitude joins Litecontrol's C2C offering by providing designers with certified products that support sustainable design goals.

Latitude – VIVID



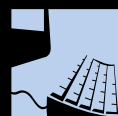
Latitude – L



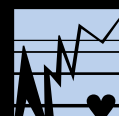
Latitude – LS



Latitude – C



Offices

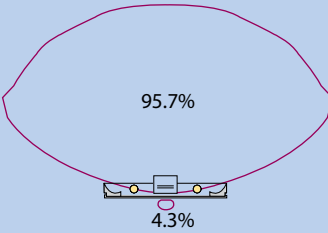
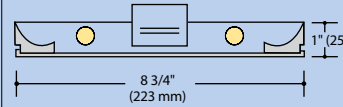
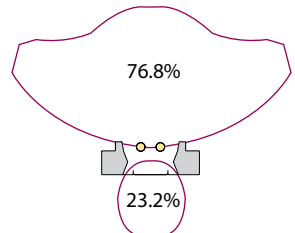
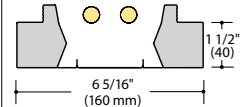
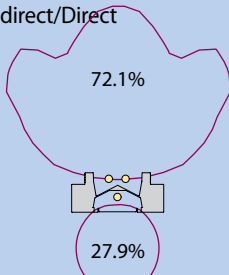
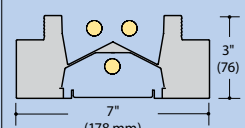
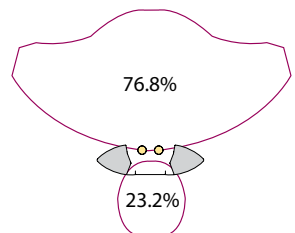
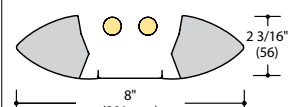


Healthcare



Retail

Latitude fixtures provide both high performance and great aesthetics from small-scale extruded fixtures for T5 and T5HO lamps. These fixtures combine the comfort and pleasantness of indirect lighting with the controlled brightness and visual appeal of VCOptic lenses. Integrated Control Solutions options allow the designer to maximize energy savings, while sculpted end caps and colored theatrical gel options enable a strong design aesthetic.

Mounting	Distribution	Series	Lamping	Controls	Features & Options	Cross Section
Pendant	S/I Semi - Indirect 	03	2-lamp T5, T5HO	CS/dlh CS/e (see p.10)	VC2 VCOptic Lens  TGB Blue theatrical gel TGG Green theatrical gel TGM Magenta theatrical gel TGO Orange theatrical gel TGR Red theatrical gel	
Pendant	ID Indirect/Direct 	82M	1 & 2-lamp T5, T5HO	CS/dlh CS/e (see p.10)	VC1 VCOptic Lens BW Blade White Baffle SGL Soft Glow Lens  ECS Sculpted End Cap	
Pendant	ID Indirect/Direct 	82MS	Uplight 1 & 2-lamp T5, T5HO  Downlight 1-lamp T5, T5HO	CS/dlh CS/e (see p.10)	VC1 VCOptic Lens BW Blade White Baffle SGL Soft Glow Lens	
Pendant	ID Indirect/Direct 	93M	1 & 2-lamp T5, T5HO	CS/dlh CS/e (see p.10)	VC1 VCOptic Lens BW Blade White Baffle SGL Soft Glow Lens  ECS Sculpted End Cap	

Click on Quick Find

**03**  
**82M**  
**82MS**  
**93M**

litecontrol.com

Visit [litecontrol.com](http://litecontrol.com) for full product details, including technical sheets, photometric data, IES files and additional photos.



**Latitude – L**  
P-ID-82M



**Latitude – LS**  
P-ID-82MS

**LATITUDE – L**

- Rectilinear profile with an L-shaped ledge to visually separate the upper housing
- Ridges on upper housing to add interest and reflected brightness
- Lower housing just 1-1/2" high with overall height less than 2-1/4"
- Sculpted end cap to emphasize the clean, rectilinear shape
- 85-90% fixture efficiency with 75-80% uplight and 20-25% downlight
- VCOptic VC1 lens for best performance and lamp obscuration
- Open white baffle (BW) or diffuse soft glow lens (SGL) also available



**Latitude – L**  
Sculpted End Cap

**LATITUDE – LS**

- Rectilinear profile with L-shaped ledge and lamps "stacked" into separate uplight & downlight chambers
- Uplight can be controlled independently of downlight ( for example, daylight dimming on uplight and user switching on downlight)
- Low profile at 3" by 7"
- VCOptic VC1 lens for best performance and lamp obscuration
- Open white baffle (BW) or diffuse soft glow lens (SGL) also available

**LATITUDE – C**

- Curvilinear profile with C-shaped sides that add brightness by reflecting light from the ceiling
- Overall height less than 2-1/4"
- Sculpted end cap to emphasize the thin, curved shape
- 85-90% fixture efficiency with 75-80% uplight and 20-25% downlight
- VCOptic VC1 lens for best performance and lamp obscuration
- Open white baffle (BW) or diffuse soft glow lens (SGL) also available



**Latitude – C**  
Sculpted End Cap



The Latitude – L, Latitude – LS and Latitude – C are indirect/direct pendant fixtures that balance the comfort and pleasantness of indirect lighting with the brightness and efficiency of direct lighting. These high performance, small-scale fixtures provide sleek, unobtrusive designs in several shapes with a number of options for different performance and aesthetic needs. Opportunities to combine the clean lines of Latitude with VCOptic and Control Solution technologies add to the designer’s palette of choices. And all Latitude fixtures are Cradle to Cradle Certified, fully supporting sustainable design goals.

**Latitude – C**  
P-ID-93M

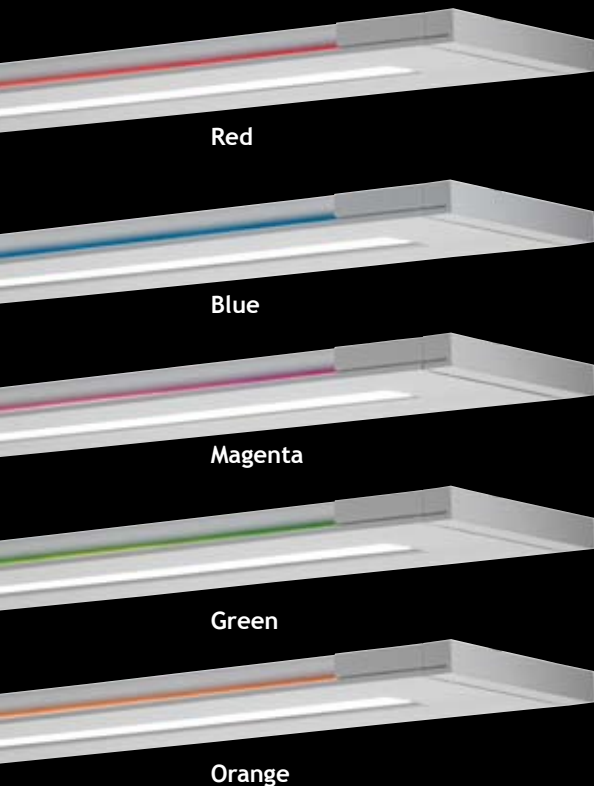
FEATURES	BENEFITS
Small scale design	Provides low profile fixtures to respond to design trends
High performance optics	Results in 85-90% fixture efficiencies and wide spread uplight distribution
VCOptic VC1 lens	Combines the performance of optical film with the visual interest of a clear grooved lens
C2C Silver Certified	Ensures that the product and the manufacturing meet sustainability criteria
Choice of shapes	Gives design flexibility for curved or rectilinear design statements
Extruded aluminum housing	Emphasizes the long, clean lines of the Latitude family
T5 or T5HO lamping	Utilizes the latest high efficiency lamp and ballast technologies
Stacked lamp design in – LS	Enables independent control of indirect light from the direct light
CS Control Solutions	Fully integrated sensor and control technologies for energy savings



**COLOR**

To bring a touch of the theater to your commercial projects, specify one of the color gel options. The long, thin gel – just ¼" high – slides into the extruded slot designed into the inside of each Vivid fixture. The side glow light slot comes to life, creating an instant design element without affecting the performance of the fixture or the color of light within the space.

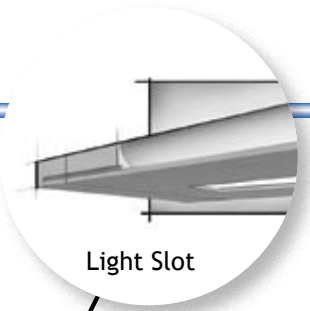
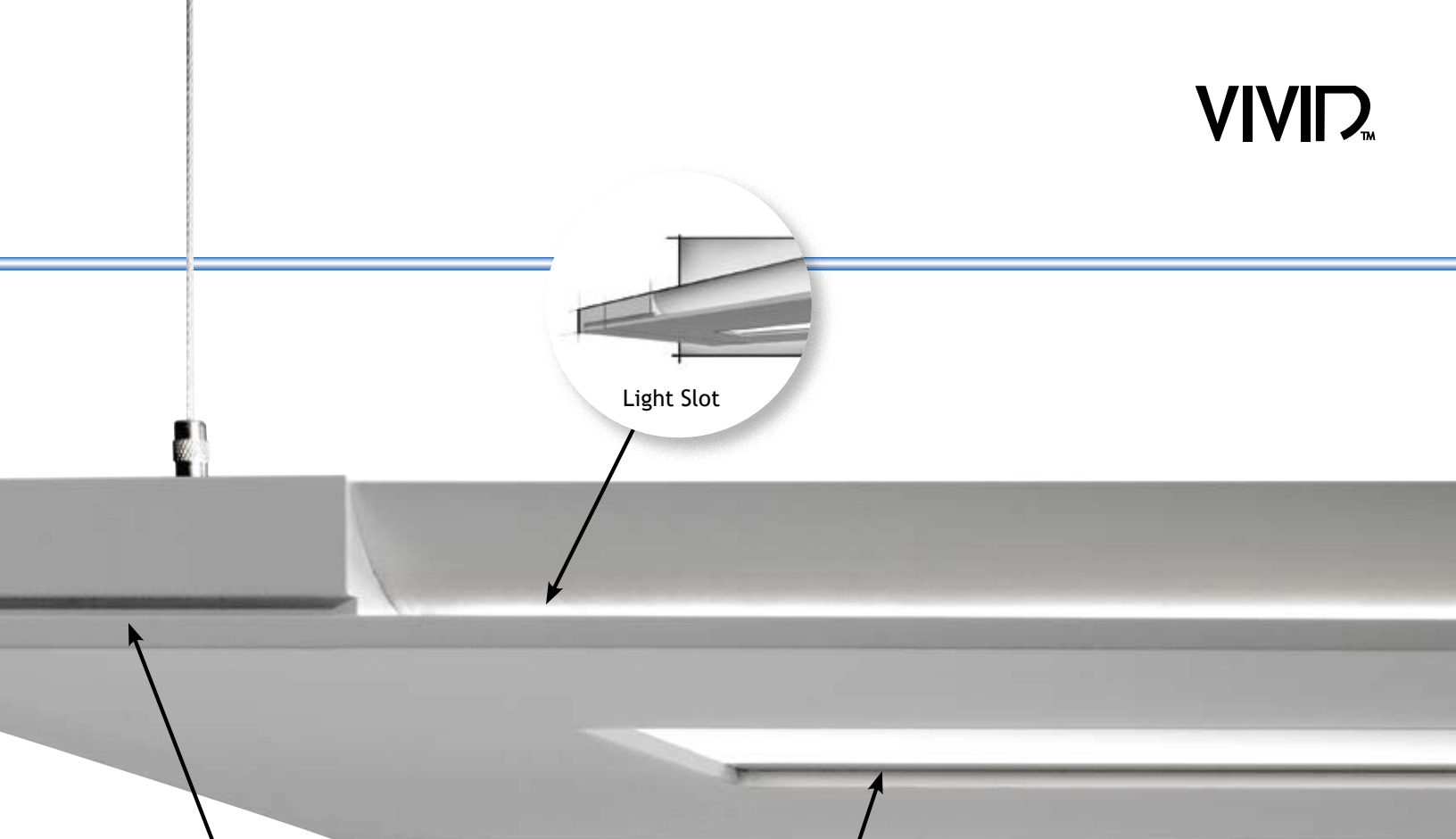
Our five standard colors are shown here – or create any effect you want by incorporating any Roscolux gel in the Vivid. Just specify the Roscolux color number and we'll take it from there. We install the specified gel right at the factory. And if you change your mind later, or want to use different colors (or no color) for different purposes, no worries – the gels are easily installed and removed in the field.



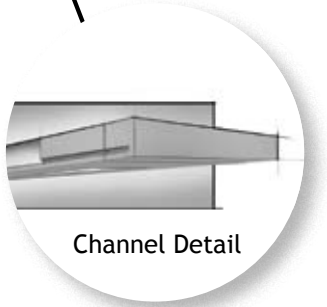
**ACTUAL SIZE**



FEATURES	BENEFITS
1" height	Provides a clean, minimalist look and avoids visual clutter
Light slot	Adds visual interest and softens the contrast of the fixture against the bright ceiling
Color gel option	Bold design statement with gels make the side glow come alive
VCOptic VC2 lens	Introduces visual texture to the fixture and the space with no lamp images
C2C Certified	Ensures that the product and the manufacturing meet sustainability criteria
Regressed lens	Creates another "line of light" for greater visual interest and appeal
End channel detail	Separates the upper mass of the fixture from the lower extruded element
Extruded aluminum housing	Emphasizes the thin, light statement of the Vivid fixture
T5 or T5HO lamping	Utilizes the latest high efficiency lamp and ballast technologies
CS Control Solutions	Fully integrated sensor and control technologies for energy savings



Light Slot



Channel Detail



Lens Reveal

## VIVID

The smallest member of the Latitude family of extruded fixtures, VIVID pushes “small” to the limits with its 1” height. The long, thin look is enhanced by the side glow light slot, while the VCOptic lens with its regressed edges adds further linearity and visual appeal. And to really make a Vivid statement, specify one of the color gel options to make the side glow come alive.



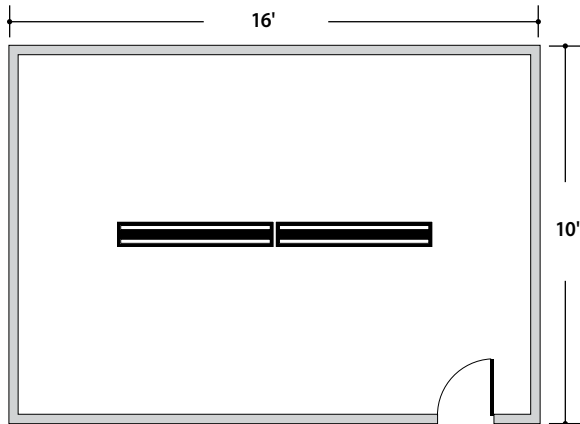
# APPLICATIONS

## SMALL CONFERENCE ROOM

### Latitude – VIVID

1 - 8' fixture centered in room, 9' ceiling and 18" pendants

Room reflectances: 80/50/20 Total LLF of 0.86



LAMPS	DIFFUSER	LIGHT LEVEL ON TABLE (footcandles)	POWER DENSITY (W/ft <sup>2</sup> )
2 - T5	VC2	25-30	0.8
2 - T5HO	VC2	45-50	1.5

Average footcandles of a single 8' fixture centered in 16' X 10' X 9' room.

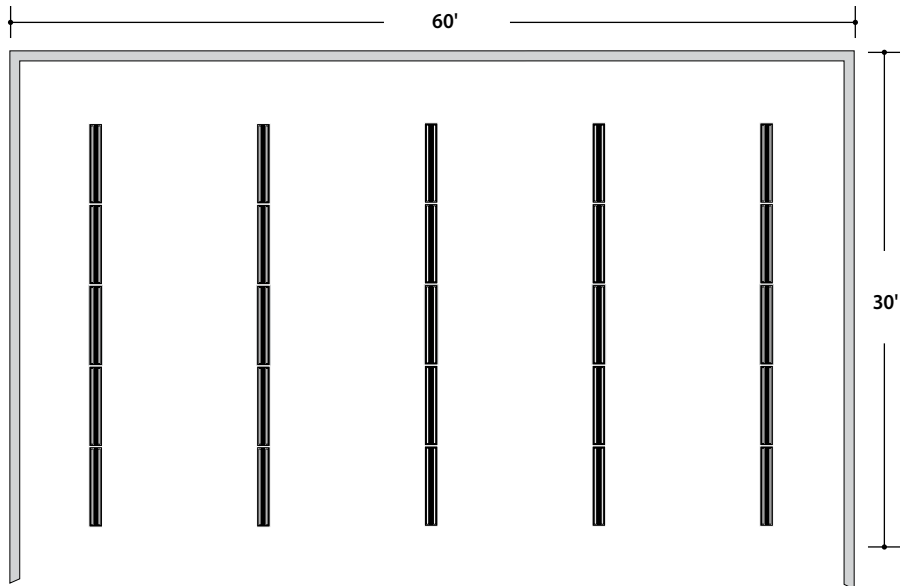
## OPEN OFFICE

### Latitude – L

5 - 20' rows spaced 12' OC,  
10' ceiling and 18" pendants

Room reflectances: 80/50/20

Total LLF: 0.86

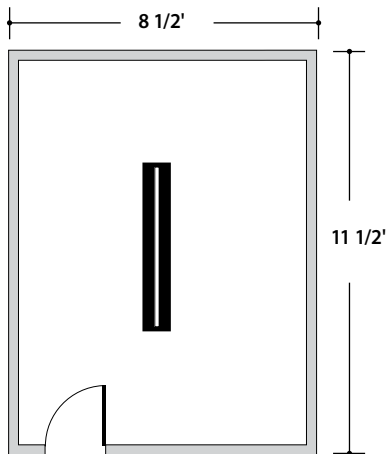


LAMPS	DIFFUSER	LIGHT LEVEL (footcandles)	POWER DENSITY (W/ft <sup>2</sup> )	MAX:MIN CEILING RATIO
1-T5	VC1	25-30	0.44	2.5:1
1-T5HO	VC1	45-50	0.85	2.5:1
2 - T5	VC1	50-55	0.89	3.5:1

Average footcandles calculated on a 16' x 24' grid centered under three rows of fixtures. Ceiling ratio is from directly above to between rows. Latitude – L and – C have identical performance so these results apply for either fixture.

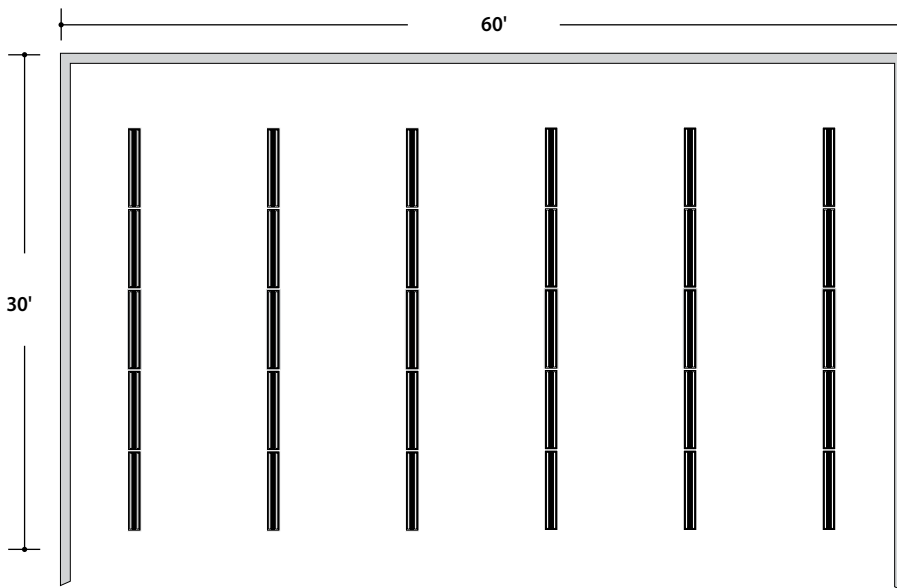
**PRIVATE OFFICE**  
**Latitude – LS**

1 - 4' fixture centered in room  
9' ceiling and 18" pendants  
Room reflectances: 80/50/20  
Total LLF of 0.86



LAMPS	SWITCHING	DIFFUSER	LIGHT LEVEL ON DESK (footcandles)	POWER DENSITY (W/ft <sup>2</sup> )
1-T5HO	UP only	VC1	15-20	0.62
1-T5	DOWN only	VC1	15-20	0.33
1-T5HO	UP & DOWN	VC1	30-35	0.95

Average footcandles on central desk surface.



**OPEN OFFICE**  
**Latitude – C**

6 - 20' rows spaced 10' OC  
10' ceiling and 18" pendants  
Room reflectances: 80/50/20  
Total LLF of 0.86

LAMPS	DIFFUSER	LIGHT LEVEL (footcandles)	POWER DENSITY (W/ft <sup>2</sup> )	MAX:MIN CEILING RATIO
1-T5	VC1	30-35	0.53	1.84:1
1-T5HO	VC1	55-60	1.02	1.84:1
2 - T5	VC1	60-65	1.07	2.34:1

Average footcandles calculated on a 18' x 20' grid centered under three rows of fixtures. Ceiling ratio is from directly above to between rows. Latitude – L and – C have identical performance so these results apply for either fixture.



## LITECONTROL **LCS™** control solutions

### **LCS<sup>dlh</sup>** Daylight Harvesting Solution

An important part of sustainable design today is the effective use of daylighting. Many architectural approaches and new technologies focus on incorporating daylight into building design. But daylighting in and of itself does not save energy – only the appropriate control of the electric lighting system enables energy savings.

Litecontrol's daylight harvesting control solution makes sure that the electric lighting uses only the energy needed, by automatically dimming in response to daylight. With a daylight sensor and control wiring integrated in the fixture, and with a wireless remote for commissioning and adjustment, the CS/dlh system provides the easiest-to-implement daylight harvesting solution available.

**CS/dlh is available in all Latitude fixtures.**



### **LCS<sup>e</sup>** Digital Addressable Solution

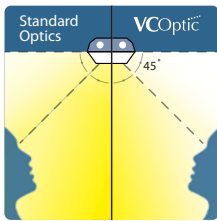
Specifiers who want to develop their own comprehensive control solutions can do so using Litecontrol CS/e compatible products. These solutions combine the performance of Litecontrol fixtures with the flexibility of Lutron EcoSystem™ digital addressable ballasts and controls. Photosensors and occupancy sensors can be fixture-integrated in many cases, and the fixtures are wired in our factory for full compatibility with EcoSystem ballasts and control components.

**CS/e is available in all Latitude fixtures.**

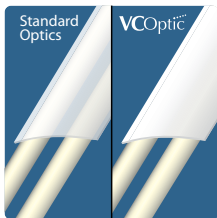




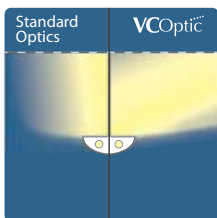
## Principles



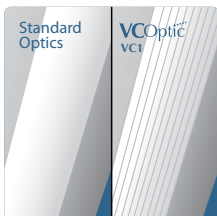
1. Control luminance



2. Obscure lamp images



3. Manage intensity distributions and contrast ratios



4. Create visual interest

Litecontrol's VCOptic advanced optical components are individually engineered for maximal visual comfort. We adapt the VCOptic approach for the specific needs of a given fixture and application, always guided by the four VCOptic principles.

### VC1

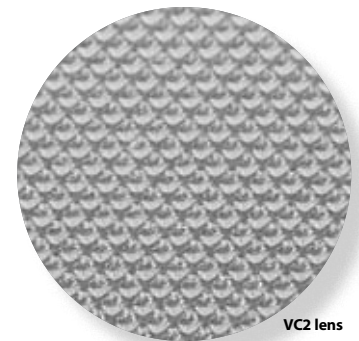
The Latitude – L, LS and C are available with the VC1 lens. This lens partners an innovative optical film with a clear grooved lens. The optical film utilizes tiny microlens structures to direct and shape the transmitted light. This highly efficient diffusion produces uniform brightness with controlled luminances, obscured lamp images, and a controlled intensity distribution. And the clear grooved lines create a refined look that adds visual interest.



VC1 lens

### VC2 (VIVID only)


The VC2 Lens is available with the Latitude – Vivid fixture. The VC2 lens utilizes microprism technology in an acrylic lens to control the luminance, create uniform brightness, and obscure any lamp images. The lens is coupled with a semi-specular reflective material to produce a textured look that adds visual interest to the fixture and the space.



VC2 lens



THINK THIN

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