

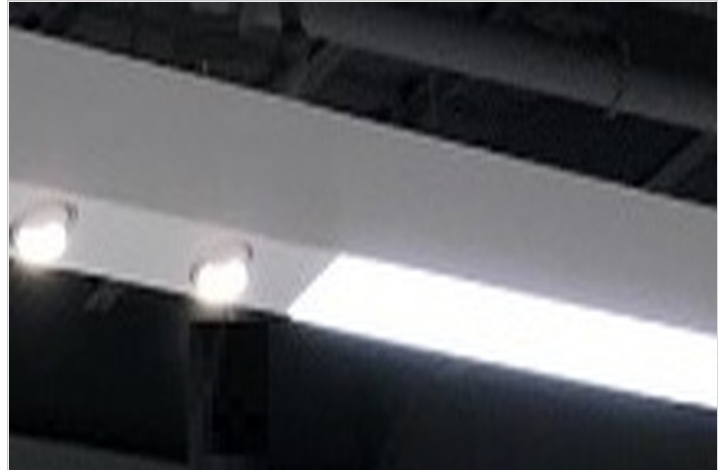
# Vario Surface

SURFACE

TYPE  
PROJECT

## Overview

- When specifying linear with downlights , please add configuration in notes.
- Aesthetically pleasing design, no visible screws.
- One piece extruded aluminum housing with integral drivers
- Direct lighting only using linear only ,downlight only or a combination of both.
- Continuous row mounting, standard. L's,T's,X's are welded, sanded, and powder coated for clean seamless appearance.
- Can also be specified as surface ceiling or trimless in sheetrock.
- Various patterns available - consult factory
- Standard color white, black. custom wood, anodizing, RAL/Pantone#



## Ordering Format

PART NUMBER: VAR-SF

Size	Lumens Direct	Lumens Indirect	CCT Available	CRI Available
4 = 4 Feet	<b>D3</b> = 350 LPF Linear Only		<b>27</b> = 2700 Kelvins	<b>80</b> = 80-85 CRI
6 = 6 Feet	<b>D5</b> = 500 LPF Linear Only		<b>30</b> = 3000 Kelvins	<b>90</b> = 90-95 CRI
8 = 8 Feet	<b>D7</b> = 750 LPF Linear Only		<b>35</b> = 3500 Kelvins	
<b>CL</b> = Custom Length, add in notes	<b>D10</b> = 1000 LPF Linear Only		<b>40</b> = 4000 Kelvins	
	<b>D3/D12</b> = 500 LPF Linear / Downlight 1200 Lumens 30Degree		<b>TW</b> = Tunable White 2700-5000 Kelvins Linear Only	
	<b>D5/D12</b> = 500 LPF Linear / Downlight 1200 Lumens 30Degree			
	<b>D7/D12</b> = 750 LPF Linear / Downlight 1200 Lumens 30Degree			
	<b>D10/D12</b> = 1000 LPF Linear / Downlight 1200 Lumens 30Degree			
	<b>D12D</b> = 1200 Lumens 30 Degree Downlight Only			
Optics	Mounting	Driver / Voltage	Color	Options
<b>OW</b> = Opal White	<b>SM</b> = Surface Mount	<b>ND 1</b> = Non-Dim Universal 120VAC <b>ND 2</b> = Non-Dim Universal 277VAC <b>ZT 1</b> = 0-10v dimming 120v dual 1% <b>ZT 2</b> = 0-10v dimming 277v dual 1% <b>CC</b> = Custom Control - add in notes	<b>W</b> = Standard White <b>BK</b> = Standard Black <b>SVR</b> = Standard Silver <b>RAL</b> = Enter RAL or Pantone in Notes <b>DW/LW</b> = See Wood PN# enter in notes	<b>CWPB</b> = Canopy White/Power Black <b>CBPW</b> = Canopy Black/Power White <b>CBPB</b> = Canopy Black/Power Black <b>CA</b> = Custom Angle, add in notes <b>OS</b> = Occupancy Sensor <b>EMD</b> = Emergency

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		<b>LE 1</b> = Lutron EcoSystem 1% DLC EE CCR / PWM SoftOnFadeToBlack  <b>LE 5</b> = Lutron EcoSystem 5% DLC EE CCR	Driver - Battery Backup 120-277VAC  <b>L</b> = L = Illuminated L Corner Section  <b>X</b> = X = Illuminated Cross Section  <b>T</b> = T = Illuminated T Section
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## NOTES

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<b>ORDER NUMBER:</b>
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## Construction & Mounting

### HOUSING

Extruded aluminum housings are supplied in nominal lengths of 4 ft., 6 ft., 8 ft. Fixtures may be continuously rowed (contact factory for details). Internal components are constructed from min. 20-gauge die-formed steel. Easy access to driver and LED boards. We can supply many variations of liner, linear with downlights or downlight only. End caps are extruded aluminum. Custom sizes are available.

### REFLECTOR

Integral powder-coated LED housing with excessive reflectivity for increased lumen output on linear. Downlight has specular reflector.

### FINISH

Standard powder-coated colors are white, black and silver. Custom processed wood finishes, aluminum anodized finishes, chrome/gold plating and custom finishes are available as well. We also accept RAL and Pantone numbers for powder-coating color choices.

### OPTICS

Flush lens formulated for LED light sources. Downlight available in various beam spreads.

### MOUNTING

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## Electrical / Driver

- Drivers - Our drivers are specifically selected based on fixture application to ensure ultimate reliability and long life. We use only UL recognized brands of LED drivers. Our LED drivers feature HPF (high power factor), universal voltage 110 - 277 VAC and include 0-10V dimming. Please note, 277v has longer distances from power feed to power feed then 120v.
- If required, we can supply premium drivers such as Lutron, Eidoled and others upon request. Advanced control systems compliant drivers such as POE, DALI, DMX, etc. are also available, please consult factory.
- Rated life (90% survivorship) of 50,000 hours at 50° C max. ambient (and 70° C max. case) temperature. At maximum driver load: Efficiency >84%, PF>0.9, THD
- POE - We are working with Molex/Igor POE systems. We can add a POE driver into our fixtures or remote them. Based on the fixture you select, we will notify you (or you can contact the factory) to see if we can install the P-driver or the P-driver needs to be remote. Just add POE1 in the spec and we will advise. Please keep in mind you need to specify a complete POE control system before specifying POE1.
- Our LED drivers feature HPF (high power factor), universal voltage 110 - 277 VAC and include 0-10V dimming.
- Emergency drivers are factory installed as an option, long life, high temperature, recyclable Ni-Cad battery pack with test switch and charge indicator. EMR is minimum of 90 minutes operation to meet code.
- Whip - Six feet long, wiring RHOS/Reach Compliant, 18 gauge, 600v rated, Specify wired to the fixture as an OPTION.

## LED Performance

LED Output	CCT Color Temp	Watts	Lumens	Lumens per Watt	CCT Multiplier
Low	3000	4.28 WPF	350 LPF	81	2700=.95
Medium	3000	6.23 WPF	500 LPF	80	3000 = 1
High	3000	9.38 WPF	750 LPF	80	3500 = 1.01
Very High	3000	12.63 WPF	1000 LPF	80	4000 = 1.03

- The table above is a quick reference. When calculating loads make sure you add direct and indirect LPW to get total wattage. Please refer to photometric report for detailed information.
- Our light engines are precisely designed for optimal operation of LED assemblies.
- Our standard LED's CCT (correlated color temperature) range is 2700K to 4000K. Other CCT values are available upon request.
- We log LED bin codes for each project we supply to ensure color consistency and keep a record of those projects for future reference.
- CRI offered is 80+, and 90+ Note: on 90+ CRI use .85 multiplier
- Tunable white, warm dim and other special LED colors available.
- We design our own printed circuit boards to ensure high luminescence efficiency, low thermal resistance and long-term reliable operation.
- Light engines are easily replaced.
- We use only recognized brand LED's with 3 SDCM (standard deviation color matching) with high color consistency. 2 SDCM available upon request.
- LRP - "LED Reel Program" – LED's for printed circuit boards come on reels' like old 8mm projectors and they're sold in lots just like fabric. At Picasso Lighting, we have a program where we make sure all of your reels come from the same lot for each project. This ensures excellent color consistency in large open spaces.
- LED life is rated at 50,000 hours
- Custom Lumens Available

## Certifications & Warranties

- Limited five-year (50,000 hours) warranty on all products.
- I.C. rated fixtures are available upon request.
- Change orders may effect delivery schedule.
- All fixtures are IBEW manufactured and assembled.
- UL and CUL listed for dry and damp locations.
- DLC® is a non-profit organization whose mission is to drive efficient lighting by defining quality, facilitating thought leadership, and delivering tools and resources to the lighting market through open dialogue and collaboration. We are currently getting our products listed with DLC. Products listed, will have DLC Logo.
- Chicago Plenum products are available upon request.
- Made in the U.S.A.



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Note: Picasso lighting industries, LLC reserves the right to make any design changes which will not affect the overall appearance or performance of the product. All ceilings to be adequately reinforced by others. All fixtures to be wired by licensed electrician only. The information contained herein is the sole property of Picasso Lighting Industries, LLC and may not be used without prior written consent of Picasso Lighting Industries, LLC. The 'USGBC member logo' is a trademark owned by the U.S. Green building council and is used by permission. The logo signifies only that Picasso Lighting Industries, LLC is a USGBC member; USGBC does not review, certify, or endorse the products or services offered by its members.