

Vario Flush DL Lens Combo

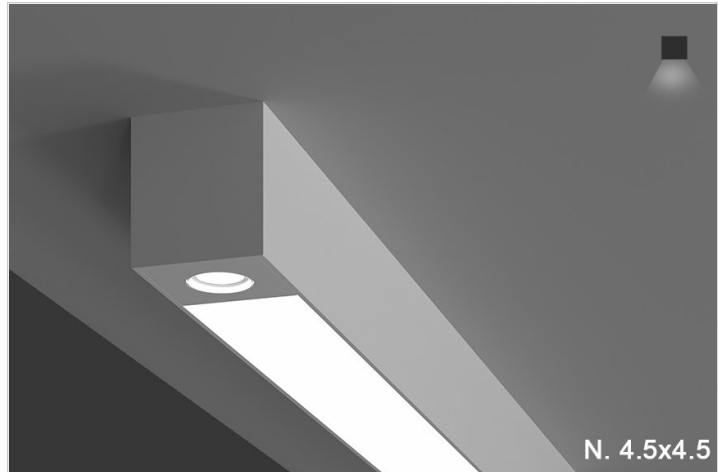
SURFACE

TYPE

PROJECT

Overview

- vah-ree-o noun: combining form. indicating variety or difference
- The Vario Series was designed mainly for retail/office and library settings, but, can be used in almost any application where variety lighting patterns are required.
- DESIGNER SELECTIONS
- Vario Series has 2 profile sizes, four and one fourths of an inch in width by four and three fourths inches in height, Four and one fourths of an inch in width by five and a half inches in height, if indirect lighting is required.
- Vario Series is available in Linear only, Downlight only and a combination of both linear and downlight. Uplight is available on all combinations. Our downlight accent fixture is adjustable to 30 degrees on y axis and 15 on x,
- Vario Series is available as Pendant, Surface and Recessed
- Vario Series has multiple choices for canopies and colors. Scroll down to view your options
- Vario Series is available in almost any CCT available in the market, we've selected the most popular, but don't let that stop you from asking for something different
- Vario Series is always available for your project's special customization needs, such as triangles, squares, rectangles and more
- Vario Series qualifies as "Made in America", "American Made" and is part of our ECO sustainable end of life program
- For all: ies files, pictures, instructions, rfa files, and warranties...scroll to bottom.



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Ordering Format

PART NUMBER: VAR-SC

Size	Lumens Direct	CCT Available	CRI Available	Direct Optics
4 = 4 Feet/2 Downlights	D3/D13F = 350 LPF Linear / Downlight 1350 Lumens 20Degree / Fixed	27 = 2700 Kelvins	80 = 80-85 CRI	OW = Opal White
6 = 6 Feet/2 Downlights		30 = 3000 Kelvins	90 = 90-95 CRI	
8 = 8 Feet/4 downlights	D3/D12F = 350 LPF Linear / Downlight 1250 Lumens 30Degree / Fixed	35 = 3500 Kelvins		
CL = Custom Length, add in notes		40 = 4000 Kelvins		
12 = 12	D5/D13F = 500 LPF Linear / Downlight 1350 Lumens 20Degree / Fixed	TW = Tunable White 2700-5000 Kelvins Linear Only		
	D5/D12F = 500 LPF Linear / Downlight 1250 Lumens 30Degree / Fixed			
	D7/D13F = 750 LPF Linear / Downlight 1350 Lumens 20Degree / Fixed			
	D7/D12F = 750 LPF Linear / Downlight 1250 Lumens 30Degree / Fixed			
	D10/D13F = 1000 LPF Linear / Downlight 1350 Lumens 20Degree / Fixed			
	D10/D12F = 1000 LPF Linear / Downlight 1250 Lumens 30Degree / Fixed			
	D3/D13A = 350 LPF Linear / Downlight 1350 Lumens 20Degree / Adjustable			
	D3/D12A = 350 LPF Linear / Downlight 1250 Lumens 30Degree / Adjustable			
	D5/D13A = 500 LPF Linear / Downlight 1350 Lumens 20Degree / Adjustable			
	D5/D12A = 500 LPF Linear / Downlight 1250 Lumens 30Degree / Adjustable			
	D7/D13A = 750 LPF Linear / Downlight 1350 Lumens 20Degree / Adjustable			
	D7/D12A = 750 LPF Linear / Downlight 1250 Lumens 30Degree / Adjustable			
	D10/D13A = 1000 LPF Linear / Downlight 1350 Lumens 20Degree /			

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	Adjustable D10/D12A = 1000 LPF Linear / Downlight 1250 Lumens 30Degree / Adjustable			
Mounting	Driver / Voltage	Fixture Finish	Options	
SM = Surface Mount	ND 1 = Non-Dim Universal 120VAC ND 2 = Non-Dim Universal 277VAC ZT 1 = 0-10v dimming 120v dual 1% ZT 2 = 0-10v dimming 277v dual 1% CC = Custom Control - add in notes LE 1 = Lutron EcoSystem 1% DLC EE CCR / PWM SoftOnFadeToBlack	W = Standard White BK = Standard Black SVR = Standard Silver RAL = Enter RAL or Pantone in Notes DW/LW = See Wood PN# enter in notes CW = Standard Wood Finish - see wood PN # enter in notes. SW = Special pattern submitted by designer AA = Anodized Aluminum -enter PN in notes section	AWN = Lutron Athena Wireless Node (RF only) AWNS = Lutron Athena Wireless Node (with Sensor) CA = Custom Angle, add in notes IW = Inverter Wiring EMD = Emergency Driver - Battery Backup 120v-277v 2C = 2 circuit wiring Direct /Indirect OS = Occupancy Sensor	

NOTES

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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

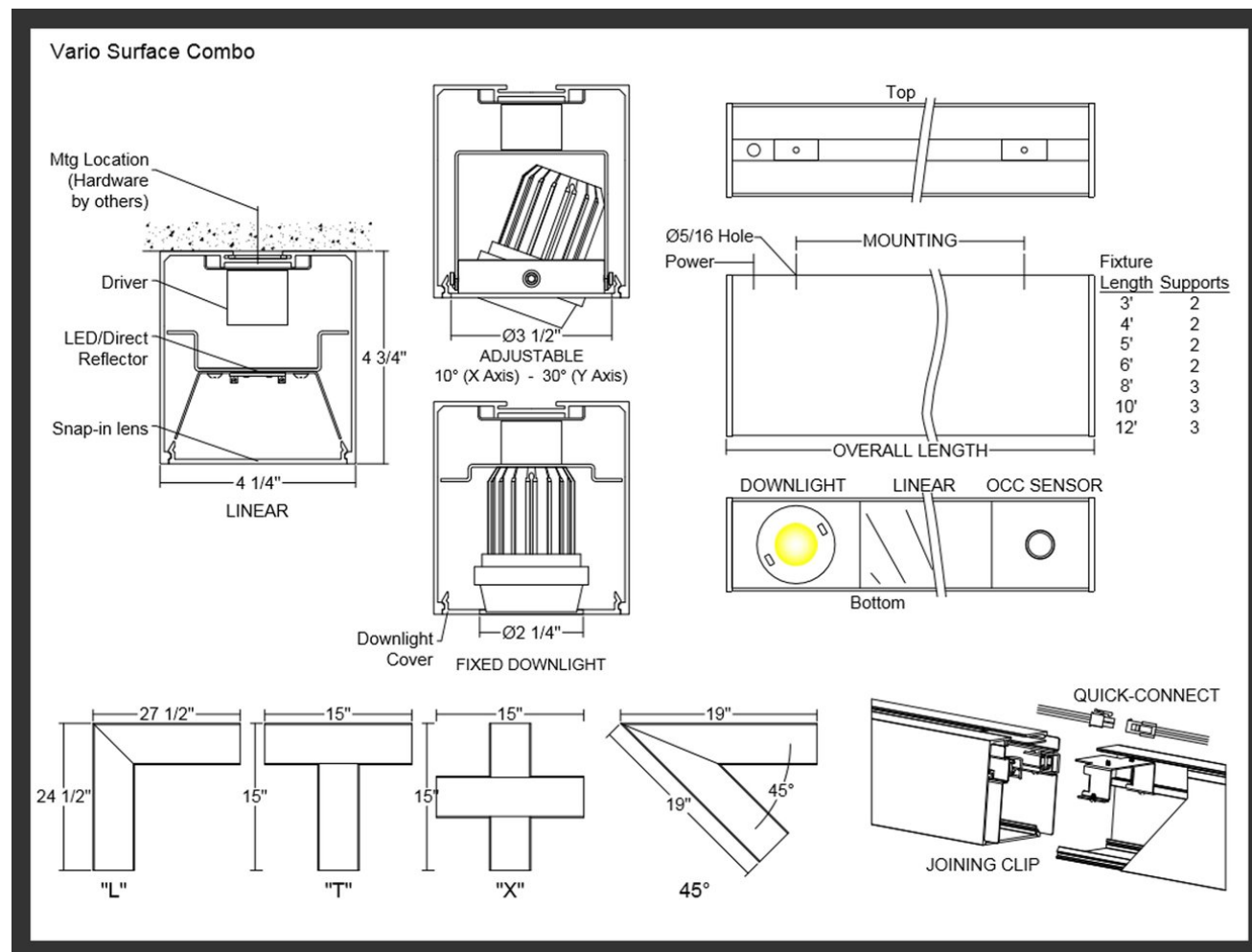
Standard powder-coated colors are white, black and silver. Custom processed wood finishes, aluminum anodized finishes, chrome/gold plating and custom finishes are available as well. We also accept RAL and Pantone numbers for powder-coating color choices.

OPTICS

Linear snap-in lens is designed for high LED output and to hide LED image. Downlight available in various beam spreads, consult factory.

MOUNTING

Surface-mounted fixtures have pre-drilled holes for 1/4" threaded rod by others. Surface-mounted fixtures have 1/2" knockout for power feed.



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Standard Finishes

White
W

Black
BK

Silver
SVR

Anodized Aluminum

xxxx-B for Aluminum to be Brushed

Anodized Black
AABK

Anodized
DK. Bronze
AADB

Anodized
LT. Bronze
AALB

Anodized
Champagne
AALC

Anodized Clear
AACL

Custom RAL - Custom finishes go to: tiger-coatings.com **Add # in Notes**

Standard Finishes – colors are powder coated and do not add to delivery lead time.
 Anodized Aluminum – can be smooth or brushed, color can vary fixture to fixture and adds 2-3 weeks to lead time. Anodized finish is limited in fixture size.
 Plated Aluminum – is a mirror finish in chrome and gold and adds 2 weeks to lead time.
 Wood Finishes – so realistic, wood finish can add up to 3-4 weeks to lead time.

Plated Aluminum

Antique
Brass
APAB

Aged
Bronze
APBZ

Polished
Chrome
APPC

Polished
Gold
APPG

Wood Finishes

Light Bamboo
LW01

Light Pine
LW02

Teak
LW03

Dark Bamboo
LW04

Dark Cherry
LW05

Brushed Chestnut
LW06

Chestnut
DW01

Dark Chestnut
DW02

Cherry
DW03

Dark Mahogany
DW04

Mahogany
DW05

Walnut Pine
DW06

Dark Walnut Oak
DW07

Consult Factory

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, Eldoed 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
- 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.
- 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.

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
Medium 20d	3000	12.71 TW	1360 TL	107	NA
Medium 30d	3000	12.71 TW	1250 TL	107	NA

- 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.
- Custom Lumens 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.
- If you require a special LED manufacturer, please contact us. LED chip manufacturers used by Picasso are primarily (but not limited to) Nichia, Cree and Samsung.
- 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

Certifications & Warranties

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- Limited five-year (50,000 hours) warranty on all products. Limited ten-year (100,000 hours) warranty on all Lutron drivers.
- I.C. rated fixtures are available upon request.
- Chicago Plenum and IC products are available upon request.
- Warranty does not cover damage caused by transport, damage caused by using the fixture in an area it is not UL rated for, damage caused by negligence, lack of maintenance, attempts to repair by unqualified or unauthorized personnel, by using non-original accessories/parts, fixtures installed in systems without power surge protection.
- UL and CUL listed for dry and damp locations.
- IBEW USA Union All fixtures are IBEW manufactured and assembled in the USA.
- We manufacture based on approved spec sheets and submittals signed by professionals responsible. Change orders must be in writing and will delay delivery.
- Picasso Lighting must receive in writing any thought to be defective products discovered, no later than 4 weeks from delivery to; ttoledo@picassoltg.com. Picasso Lighting will send a field technician to the site to evaluate the said defective product. We do accept field repair from licensed electrical contractors but not without a written agreement signed by Picasso Lighting official. Failure to adhere to all warranty and certifications will void any recompense and the warranty.



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.