Vario Flush Lens

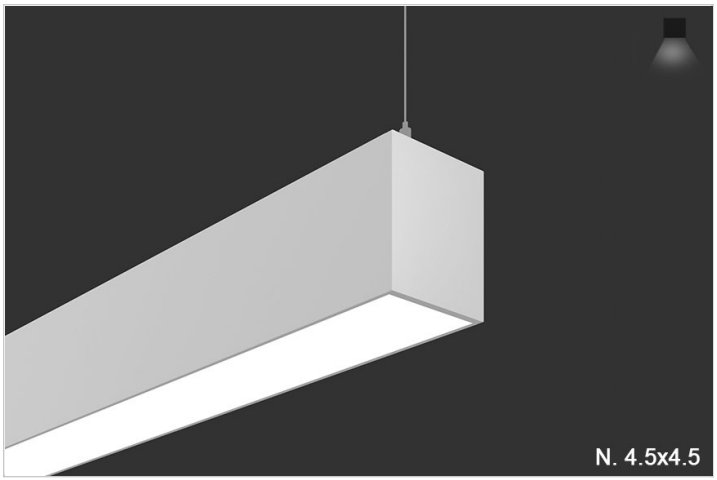
PENDANT LARGE

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-PF

Size	Lumens Direct	Lumens Indirect	CCT Available	CRI Available
4 = 4 Feet	**D3** = 350 LPF	**I3** = 350LPF	**27** = 2700 Kelvins	**80** = 80-85 CRI
6 = 6 Feet	**D5** = 500 LPF	**I5** = 500 LPF	**30** = 3000 Kelvins	**90** = 90-95 CRI
8 = 8 Feet	**D7** = 750 LPF	**I7** = 750 LPF	**35** = 3500 Kelvins	
CL = Custom Length, add in notes	**D10** = 1000 LPF	**NN** = Not Needed	**40** = 4000 Kelvins	
			TW = Tunable White 2700-5000 Kelvins Linear Only	

Direct Optics	Mounting	Driver / Voltage	Fixture Finish	Canopy/Power Cord Color
OW = Opal White	**AC1R** = Round 5in Canopy JBox - 5in Support	**ND 1** = Non-Dim Universal 120VAC	**W** = White Standard	**CWPW** = Canopy White/Power Cord White
	AC1S = Square 5in Canopy JBox - 5in Support	**ND 2** = Non-Dim Universal 277VAC	**BK** = Black Standard	**CWPB** = Canopy White/Power Cord Black
	ACD1R = Round 5in Canopy JBox - 2in Support Slot Grid	**ZT 1** = 0-10v dimming 120v dual 1%	**SVR** = Silver Standard	**CBPB** = Canopy Black/Power Cord Black
	ACD1S = Square 5in Canopy JBox - 2in Support Slot Grid	**ZT 2** = 0-10v dimming 277v dual 1%	**RAL** = Enter RAL # in notes section	**CBPW** = Canopy Black/Power Cord White
	ACD2R = Round 5in Canopy JBox - 2in Support T Grid	**CC** = Custom Control - add in notes	**PA** = Plated Aluminum-enter plated finish in notes	
	ACD2S = Square 5in Canopy JBox - 2in Support T Grid	**LE 1** = Lutron EcoSystem 1% DLC EE CCR / PWM SoftOnFadeToBlack	**CW** = Standard Wood Finish - see wood PN # enter in notes.	
	ACUR = Round 5in Canopy JBox - .5in Support Unistrut		**SW** = Special pattern submitted by designer	
	ACUS = Square 5in Canopy JBox - .5in Support Unistrut		**AA** = Anodized Aluminum -enter PN in notes section	
	ACRR = Round 5in Canopy JBox - 2in Support 1/4 Rod			
	ACRS = Square 5in Canopy JBox - 2in Support 1/4 Rod			

Options
AWN = Lutron Athena Wireless Node (RF only)
AWNS = Lutron Athena Wireless Node (with Sensor)
EMD = Emergency Driver - Battery Backup 120-277VAC
OS = Occupancy Sensor
CA = Custom Angle - add in notes
2C = 2 circuit wiring

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Direct /Indirect

I W = Inverter Wiring

NOTES

ORDER NUMBER:

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Construction & Mounting

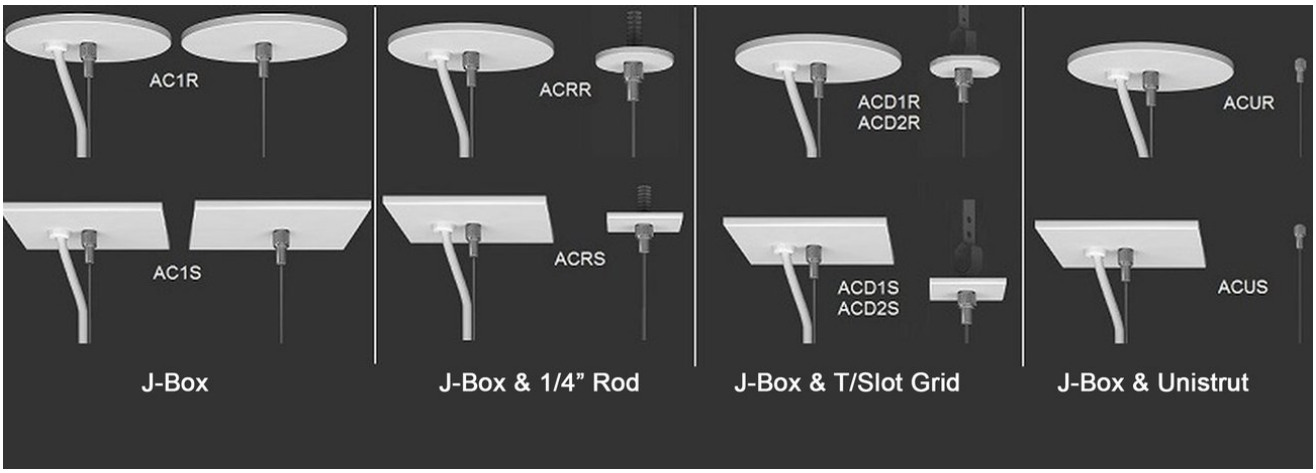
HOUSING
Note; uplight housing is 1" larger then no uplight housing. Extruded aluminum housings are supplied in nominal lengths of 4 ft., 6 ft., 8 ft. Fixtures may be continuously rowed (contact factory for details). Internal components are constructed from min. 20-gauge die-formed steel. Easy access 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.

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.

MOUNTING
Cable mounting with various size canopies and power feeds. If not selected in options, canopy color and cord will be white. Cable uses gripper style locking for field adjustments 48" standard. Canopy mounts to standard J-box.



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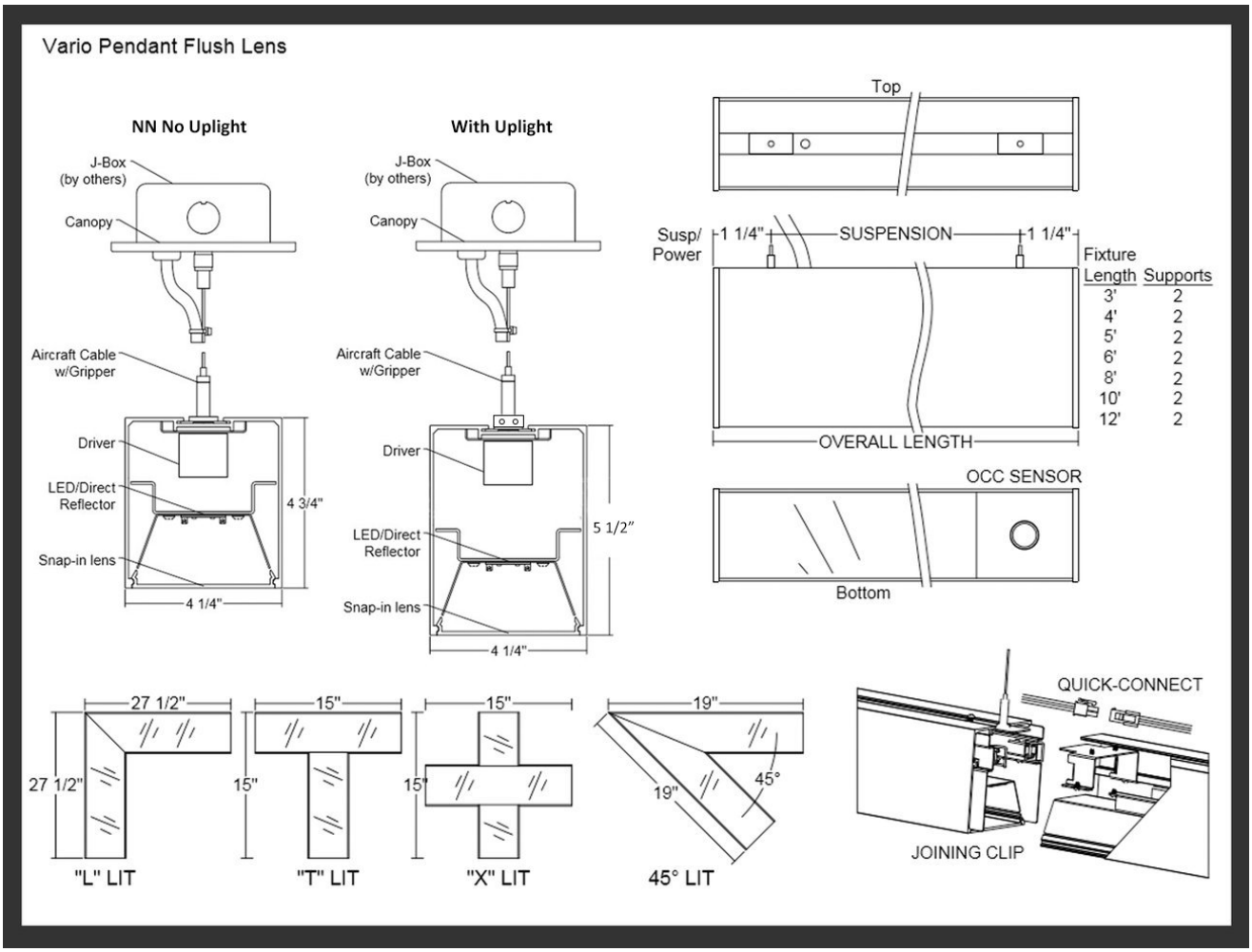

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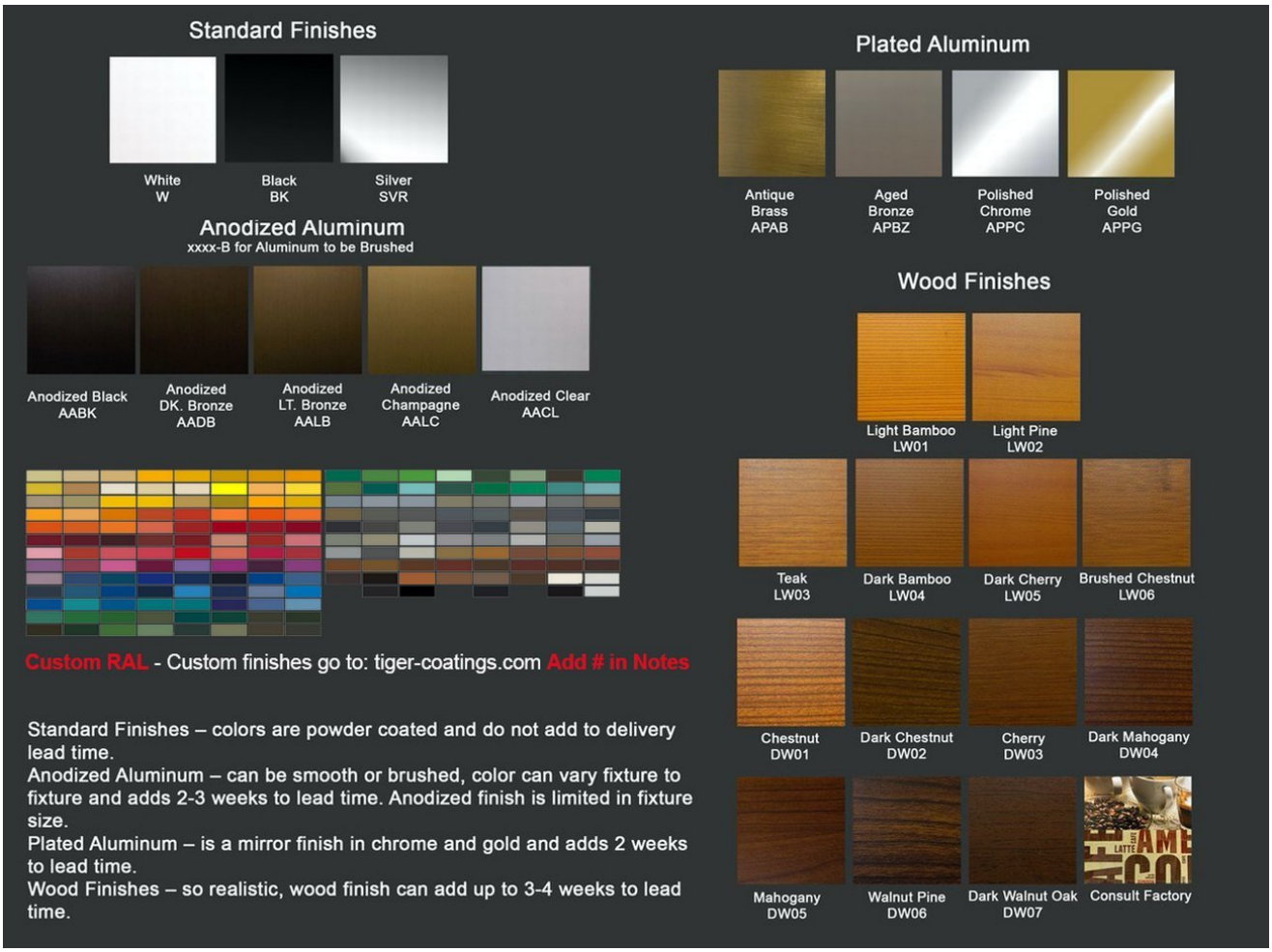

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Electrical / Driver

- 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, Eldoled 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 50º C max. ambient (and 70º 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 Perfomance

LED Output	CCT Color Temp	Watts	Lumens	Lumens per Watt	CCT Multiplier
Low	3000	4.28 WPF (4WPF Indirect)	350 LPF	81	2700=.95
Medium	3000	6.23 WPF (5.7 WPF Indirect)	500LPF	80	3000=1
High	3000	9.38WPF (8.57 WPF Indirect)	750 LPF	80	3500=1.01
Very High	3000	12.63 WPF (11.4 WPF Indirect)	1000 LPF	80	4000= 1.15

- 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

- 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.

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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.