

# Vario Downlight

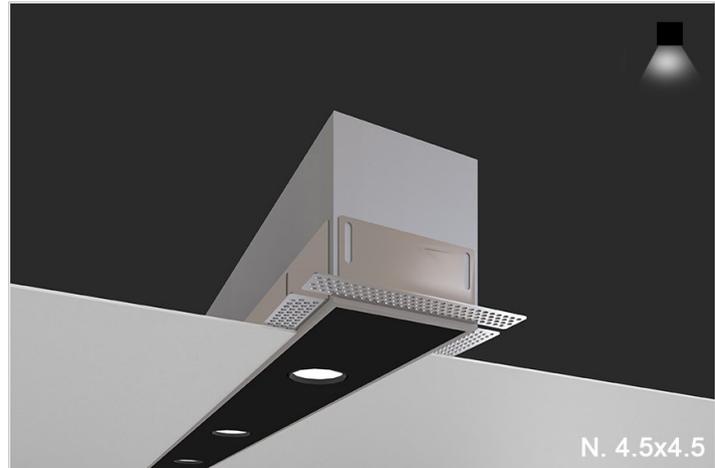
## RECESSED LINEAR

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-RQ

Size	Lumens Direct	CCT Available	CRI Available	Direct Optics
<b>4</b> = 4 Feet/3 Downlights	<b>Q132F</b> = Downlight 1350 Lumens 20 Degree / Fixed	<b>27</b> = 2700 Kelvins	<b>80</b> = 80-85 CRI	<b>SR</b> = Specular Reflector
<b>6</b> = 6 Feet/4 Downlights	<b>Q123F</b> = Downlight 1250 Lumens 30 Degree / Fixed	<b>30</b> = 3000 Kelvins	<b>90</b> = 90-95 CRI	
<b>8</b> = 8 Feet/6 Downlights	<b>Q132A</b> = Downlight 1350 Lumens 20 Degree / Adjustable	<b>35</b> = 3500 Kelvins		
<b>CL</b> = Custom Length, add in notes (1 inch increment standard)	<b>Q123A</b> = Downlight 1250 Lumens 30 Degree / Adjustable	<b>40</b> = 4000 Kelvins		
		<b>TW</b> = Tunable White 2700-5000 Kelvins Linear Only		
Mounting	Driver / Voltage	Fixture Finish	Options	
<b>T1</b> = 9/16 Flat Tee (Tegular Tile)	<b>ND 1</b> = Non-Dim Universal 120VAC	<b>W</b> = Standard White	<b>AWN</b> = Lutron Athena Wireless Node (RF only)	
<b>T2</b> = 15/16 Flat Tee (Flat Tile)	<b>ND 2</b> = Non-Dim Universal 277VAC	<b>BK</b> = Standard Black	<b>AWNS</b> = Lutron Athena Wireless Node (with Sensor)	
<b>T3</b> = 9/16 Flat Tee (Flat Tile)	<b>ZT 1</b> = 0-10v dimming 120v dual 1%	<b>SVR</b> = Standard Silver	<b>IW</b> = Inverter Wiring	
<b>S</b> = 9/16 Slot Grid Tee (Tegular Tile)	<b>ZT 2</b> = 0-10v dimming 277v dual 1%	<b>RAL</b> = Enter RAL # in notes section	<b>CA</b> = Custom Angle, add in notes	
<b>S</b> = 9/16 Interlude Tee (Tegular Tee)	<b>CC</b> = Custom Control - add in notes	<b>PA</b> = Plated Aluminum-enter plated finish in notes	<b>OS</b> = Occupancy Sensor	
<b>SF</b> = Trimless	<b>LE 1</b> = Lutron EcoSystem 1% DLC EE CCR / PWM SoftOnFadeToBlack	<b>CW</b> = Standard Wood Finish - see wood PN # enter in notes.	<b>EMD</b> = Emergency Driver - Battery Backup 120-277VAC	
<b>F</b> = Trim		<b>AA</b> = Anodized Aluminum -enter PN in notes section		

### 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 the driver. We can supply many variations of linear, linear with downlights or downlight only. End caps are extruded aluminum. Custom sizes are available.

#### REFLECTOR

Integral powder-coated LED housing. Downlight has open specular reflector.

#### FINISH

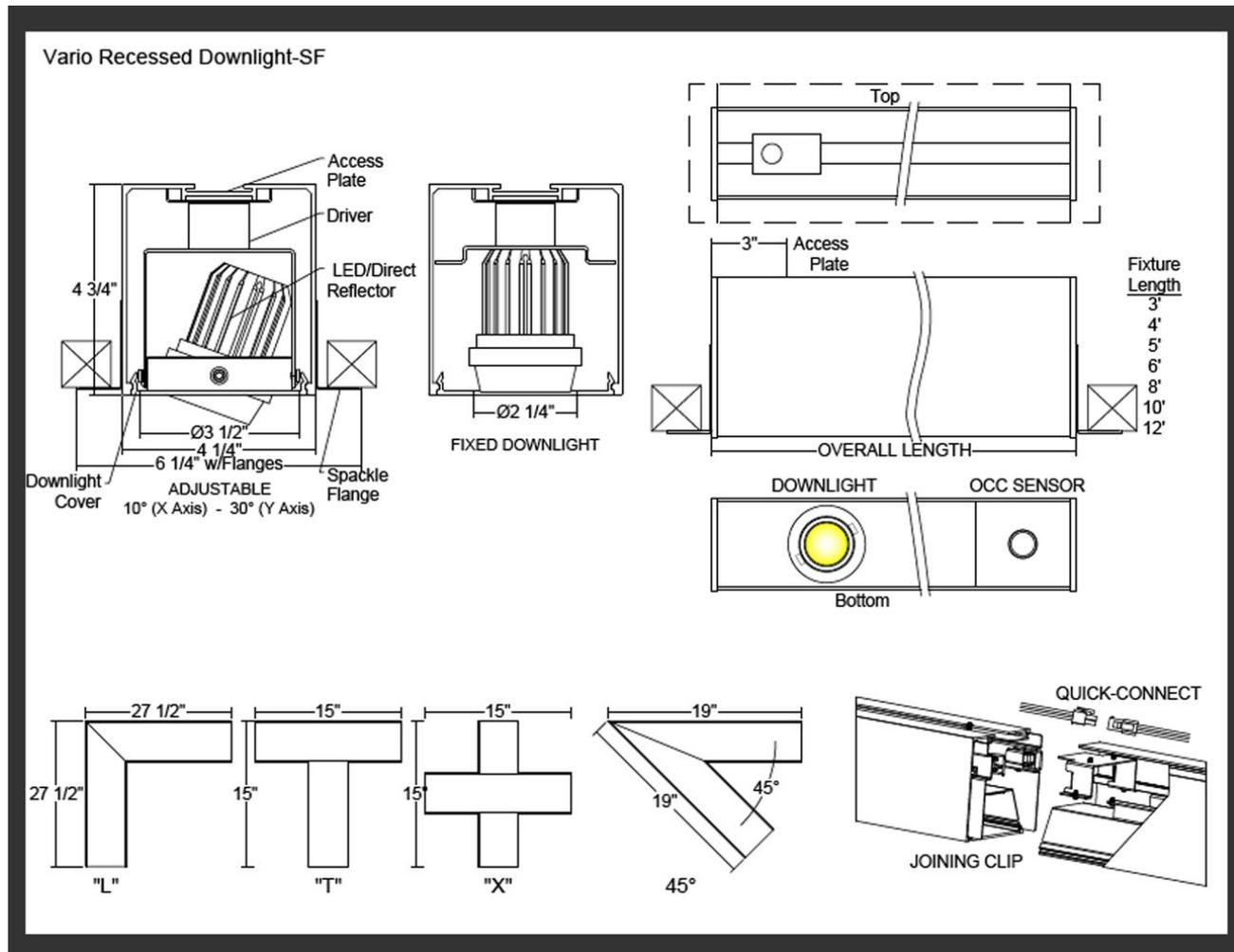
Standard powder-coated colors are white, black and silver. Custom processed wood finishes, aluminum anodized finishes, chrome/gold plating and custom finishes are available as well. We also accept RAL and Pantone numbers for powder-coating color choices.

#### OPTICS

Downlight available in various beam spreads.

#### MOUNTING

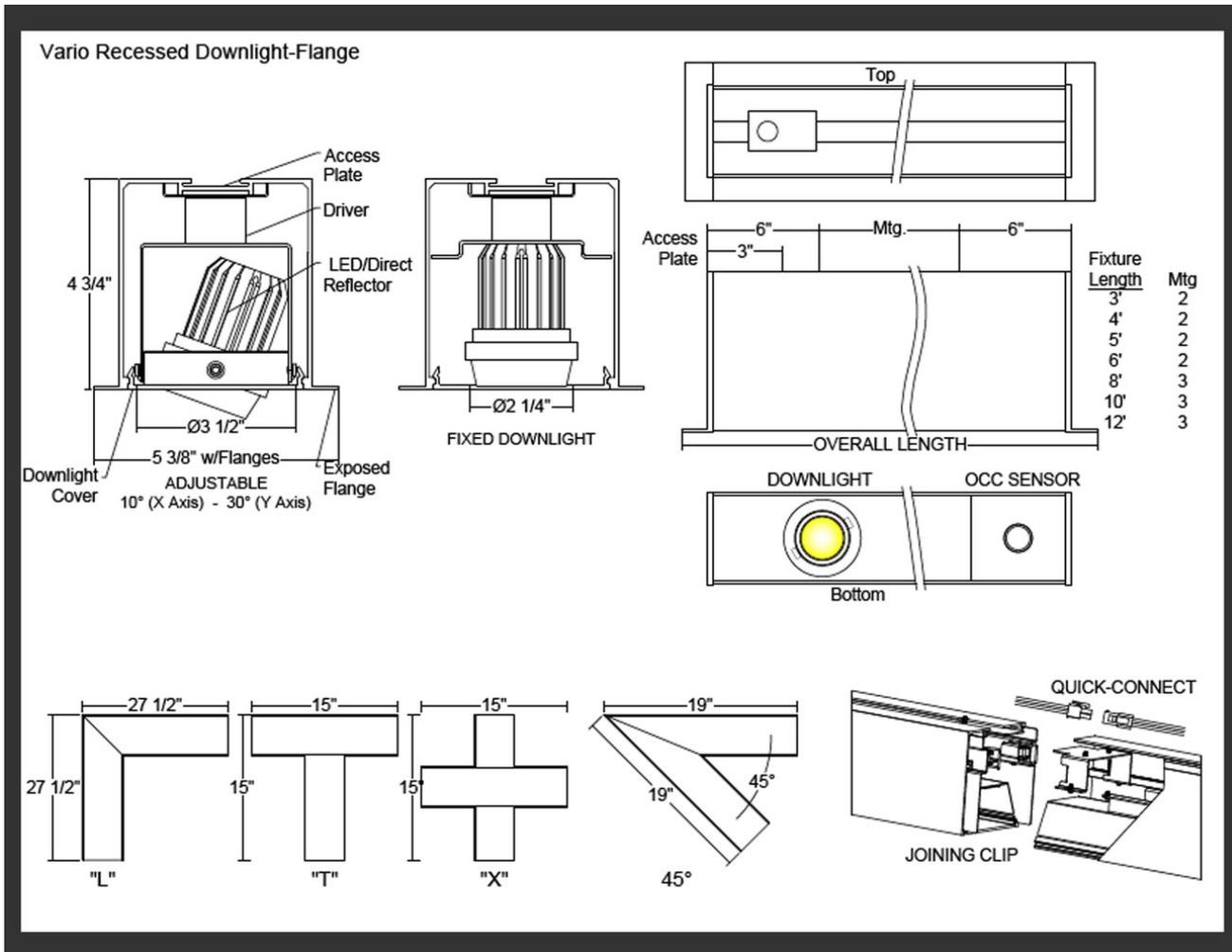
Our recessed fixtures are made to be mounted in slot grid, T-bar, and sheetrock ceilings. See mounting detail. Other ceiling types, please consult the factory, we can accommodate many different applications.



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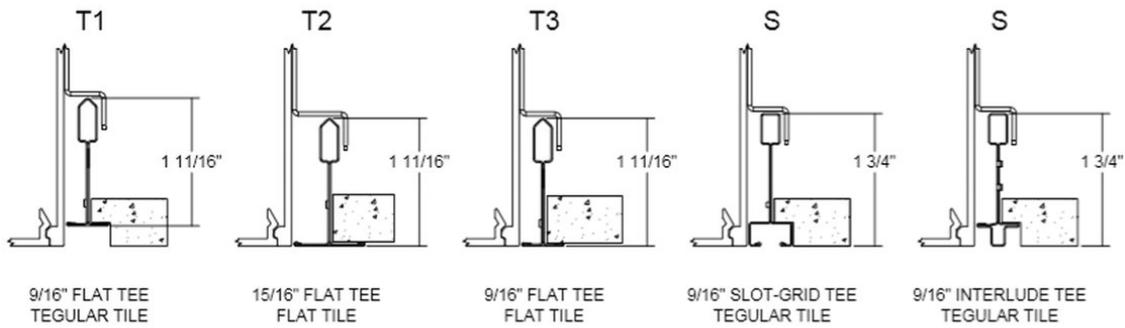
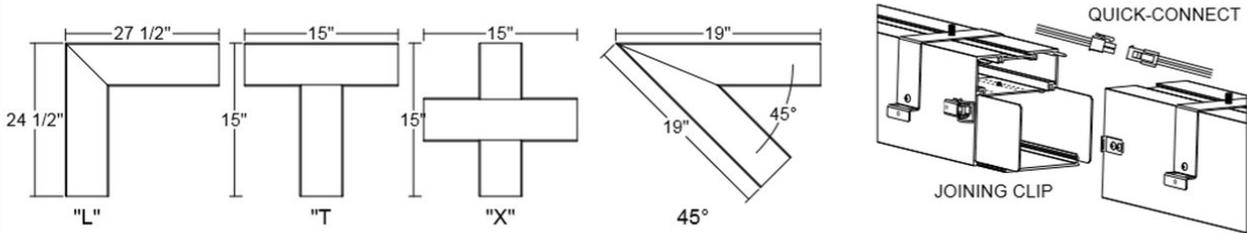
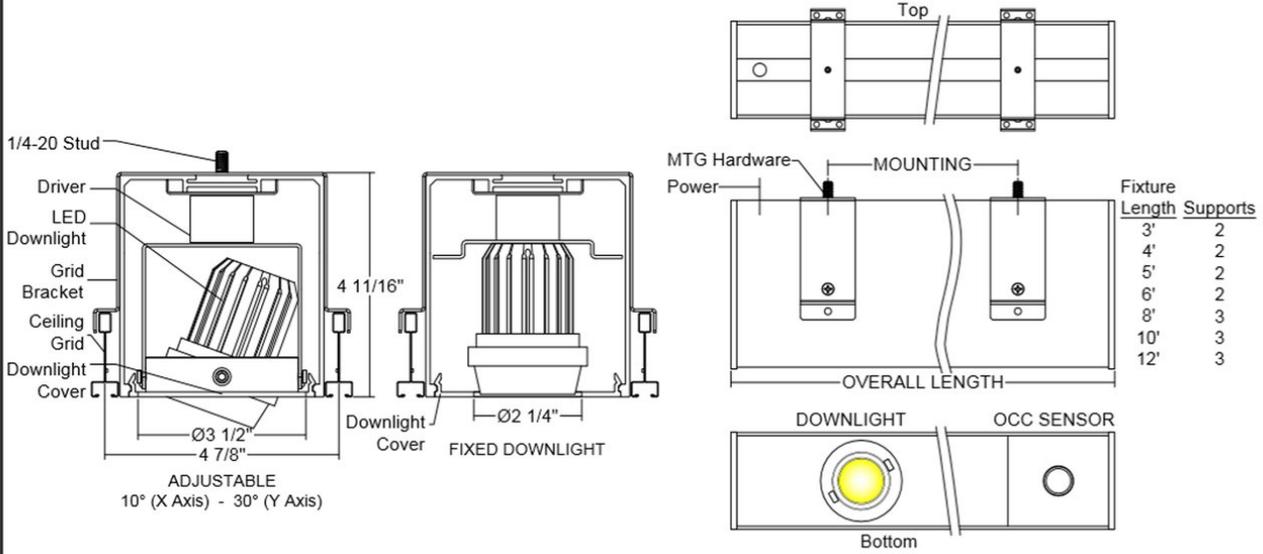


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## Vario Grid Downlight



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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 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
Medium 20d	3000	12.71 TW	1360 TL	107	2700= .95
Medium 30d	3000	12.71 TW	1250 TL	107	3000 = 1

- 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 limited warranty on all products that are installed according to the product's specifications. Fixture must be properly installed by qualified licensed electricians, who meet and understand local installation requirements. Proper ambient conditions are to be met. The normal indoor temperatures of 50-90 degrees F, no more than 95% RH and sufficient air flow are required. Fixture should not be modified, and no maintenance or repairs should be performed without the written authorization from Picasso Lighting.
- We manufacture based on approved spec sheets and submittals signed by the customers. Change orders must be in writing and will delay delivery.
- Picasso Lighting reserves the right to repair or replace a defective product with another product with a similar design and the same or better performance, or to refund the distributor for the purchase price. The costs of labor to replace luminaires are not covered.
- Warranty does not cover damage caused by transportation, 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.
- Picasso Lighting must receive in writing any complaints regarding the defective products, no later than 3 weeks from delivery addressed to: [ttoledo@picassoltg.com](mailto:ttoledo@picassoltg.com). Picasso Lighting will send a field technician to the site to evaluate the said defective product or may require product to be sent back to the factory for repair. The customer is responsible for the costs of disassembly and reassembly. We do accept field repairs and replacement labor 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.
- IBEW USA Union All fixtures are IBEW manufactured

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and assembled in the USA. UL listed for dry and damp locations.



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.