

# Vario Surface Downlight

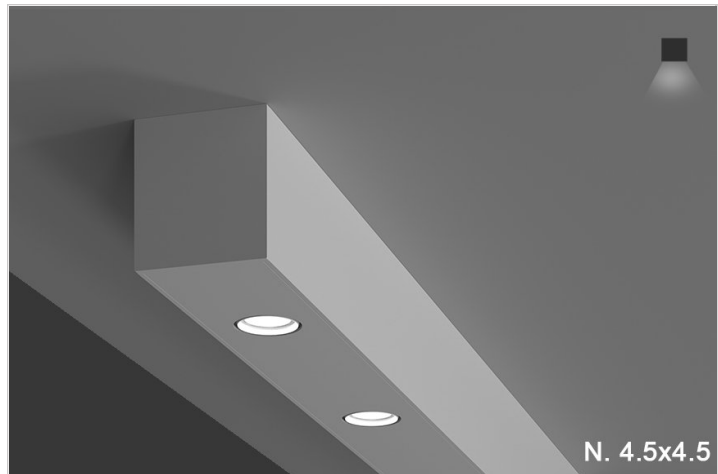
SURFACE

TYPE

PROJECT

## Overview

- Our Vario Downlight Surface gives you the best direct downlighting for highlighting product. Perfect for any application where you need accent lighting.
- Aesthetically pleasing design, no visible screws. Available with open trough as well.
- One-piece extruded aluminum housing with integral drivers.
- Continuous row mounting is standard. L's, T's, X's are welded, sanded, and powder coated for a clean seamless appearance.
- Can also be specified as pendant or trimless in sheetrock.
- Various patterns available - see shapes, structures
- Standard color white, black. Custom wood, anodizing, RAL/Pantone# are available too.
- Made in the USA



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## Ordering Format

PART NUMBER: VAR-PQ

Size	Lumens Direct	CCT Available	CRI Available	Optics
4 = 4 Feet/3 Downlights	<b>Q132</b> = Downlight 1350 Lumens 20 Degree	<b>27</b> = 2700 Kelvins	<b>80</b> = 80-85 CRI	<b>SR</b> = Specular Reflector
6 = 6 Feet/4 Downlights	<b>Q123</b> = Downlight 1250 Lumens 30Degree	<b>30</b> = 3000 Kelvins	<b>90</b> = 90-95 CRI	
8 = 8 Feet/6 Downlights		<b>35</b> = 3500 Kelvins		
<b>CL</b> = Custom Length, add in notes		<b>40</b> = 4000 Kelvins <b>TW</b> = Tunable White 2700-5000 Kelvins Linear Only		
Mounting	Driver / Voltage	Fixture Finish	Options	
<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>LE 1</b> = Lutron EcoSystem 1% DLC EE CCR / PWM SoftOnFadeToBlack <b>LE 5</b> = Lutron EcoSystem 5% DLC EE CCR	<b>W</b> = Standard White <b>BK</b> = Standard Black <b>SVR</b> = Standard Silver <b>RAL</b> = Enter RAL # in notes section <b>PA</b> = Plated Aluminum-enter plated finish in notes <b>CW</b> = Custom Wood Finish - see wood PN # enter in notes. <b>AA</b> = Anodized Aluminum -enter PN in notes section	<b>IW</b> = Inverter Wiring <b>CA</b> = Custom Angle, add in notes <b>OS</b> = Occupancy Sensor <b>EMD</b> = Emergency Driver - Battery Backup 120-277VAC	

### NOTES

**ORDER NUMBER:**

## 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. 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

Surface-mounted fixtures have pre-drilled holes for ¼" threaded rod by others. Surface-mounted fixtures have ½" knockout for power feed.

# Coming Soon!

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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	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.
- LED life is rated at 50,000 hours
- 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.
- CRI offered is 80+, and 90+ Note: on 90+ CRI use .85 multiplier
- Tunable white, warm dim and other special LED colors available.

### 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](mailto: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.