

V-Line Gen3 is a high performance linear luminaire with a small profile suitable for illumination of displays, signage, cabinets, and other small areas.
Construction: Extruded aluminum body with molded endcaps. Extruded acrylic optic is UV resistant.

Finish: Black anodized only. This product is not available in a painted finish. Painting this product will void all warranties.

Internal Drivers: Built-In SmartDrivers by i2Systems ensure constant current to each LED enabling uniform brightness from LED to LED and fixture to fixture over a wide input voltage range. The internal drivers can be controlled by an external dimming module for true 0-100% dimming. Dimming module accepts standard 0V-10V signal.

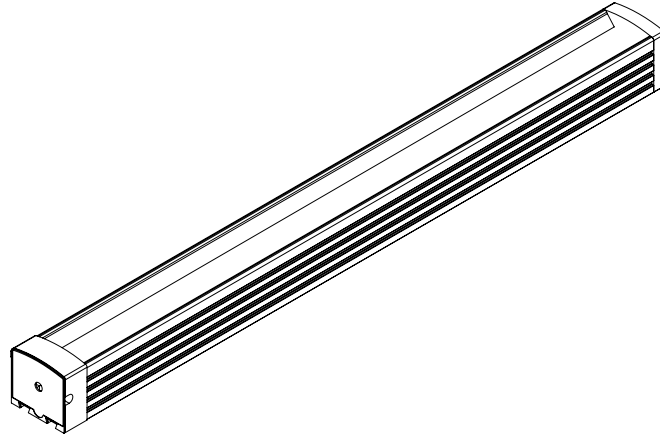
Available Mounts: Fixed and adjustable mounting hardware is available - see second page.

Power Requirements: V-Line Gen3 is powered by a non-magnetic 24V DC power supply sized according to the installation. Power consumption is approximately 8W per linear foot.

Wiring: V-Line Gen3 is supplied with an exclusive 4-way endcap which allows the installer to run wiring out the left, right, bottom, or end of the luminaire. A 72" long plenum-rated cable is standard. See third page for additional wiring information.

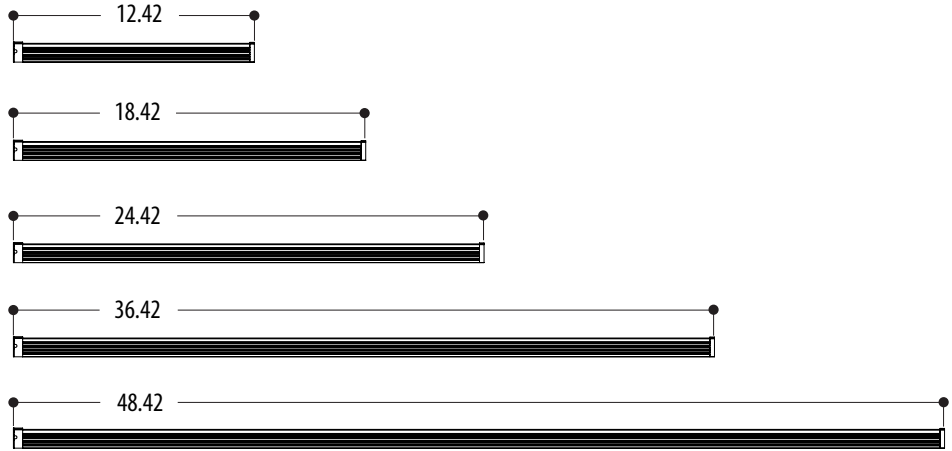
Project Name:

Qty:



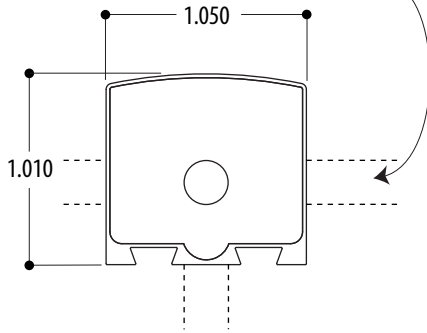
i2Systems
enabled.

Available Lengths: (12", 18", 24", 36", 48")



Dry, Damp, and Wet Locations

Four possible wire locations - Left, Right, End and Bottom



Actual Size

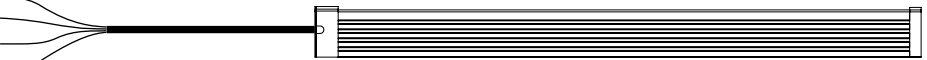
Wire Codes:

RED to power supply 24V positive

BLACK to power supply ground

WHITE to dimming module YELLOW (if applicable)

GREEN to dimming module BLACK (if applicable)



LED SOURCE	VL3 MODEL	UNIT LENGTH OR TOTAL RUN LENGTH (if known)	BEAM ANGLE	LED CODE	VOLTAGE SUPPLY	MOUNT	FINISH	OPTIONS	SPECIAL																	
	VL3 = V-Line GEN3																									
		UNIT LENGTH OR TOTAL RUN LENGTH IN FEET 12 = 12 INCH 18 = 18 INCH 24 = 24 INCH 36 = 36 INCH 48 = 48 INCH NOTE: When building a run, standard length fixtures may be used in combination.	30 = 30° SYMMETRIC 45 = 45° SYMMETRIC 65 = 65° SYMMETRIC 82 = 82° SYMMETRIC	<table border="1"> <thead> <tr> <th>CODE</th> <th>COLOR</th> </tr> </thead> <tbody> <tr><td>001</td><td>WARM WHITE 3000K</td></tr> <tr><td>002</td><td>COOL WHITE 6200K</td></tr> <tr><td>003</td><td>AMBER</td></tr> <tr><td>004</td><td>BLUE</td></tr> <tr><td>005</td><td>CYAN</td></tr> <tr><td>006</td><td>GREEN</td></tr> <tr><td>007</td><td>RED-ORANGE</td></tr> <tr><td>008</td><td>RED</td></tr> </tbody> </table>	CODE	COLOR	001	WARM WHITE 3000K	002	COOL WHITE 6200K	003	AMBER	004	BLUE	005	CYAN	006	GREEN	007	RED-ORANGE	008	RED	NON-DIMMING ND24V = 24V DC DIMMING DM24V = 24V DC LightLink dimming system interface maximum 50 feet per LightLink, one LightLink per dimming zone.	ADJ = ADJUSTABLE FIX = FIXED	BLK = BLACK ANODIZED Product cannot be painted. Painting will void warranty.	STD = STANDARD MOD = MODIFIED X = NO OPTION D = DEBRIS COVER Required for all exterior upright conditions.
CODE	COLOR																									
001	WARM WHITE 3000K																									
002	COOL WHITE 6200K																									
003	AMBER																									
004	BLUE																									
005	CYAN																									
006	GREEN																									
007	RED-ORANGE																									
008	RED																									

Modifications: (if any)

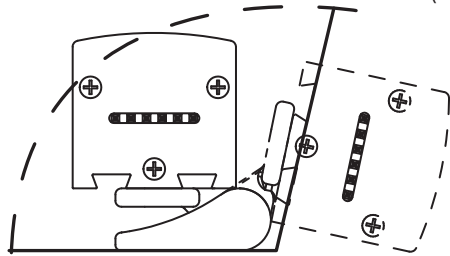


Revision 3/29/10

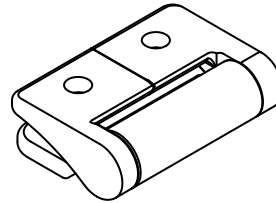
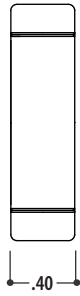
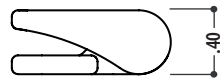
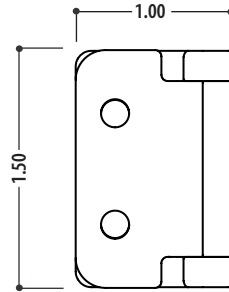
V-Line GEN3 is offered with either fixed or adjustable mounts. Both mounts have been engineered for maximum installation flexibility.

GEN3 ADJUSTABLE MOUNT

(NOT TO SCALE)



95 DEGREES OF ADJUSTMENT



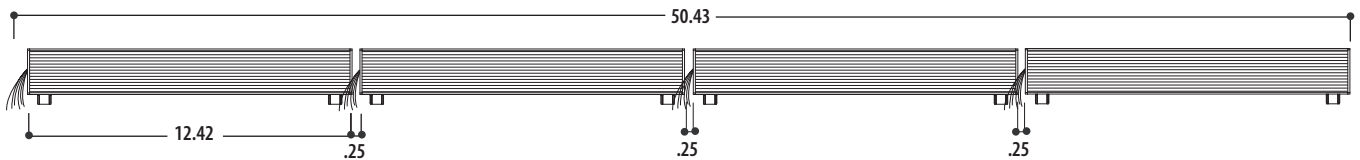
Adjustable mount allows easy installation and adjustment of individual GEN3 luminaires.

1. Die cast aluminum construction.
2. Each hinge rated at eight pounds force.
3. Fastens to GEN3 via 8-32 screws.
4. Mount holes located at six inch o.c. along back of luminaire.
5. Matte black finish.

How to determine headline: "Run Lengths"

1. Add length of all luminaires.

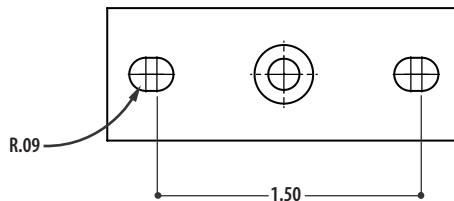
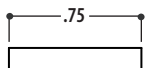
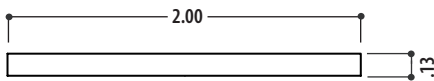
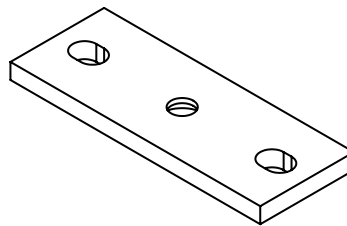
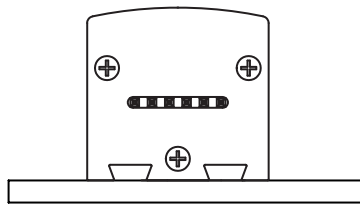
2. Add an equal number of gaps (.25" each) for wires.



$$12.42 + .25 + 12.42 + .25 + 12.42 + .25 + 12.42 = 50.43$$

GEN3 FIXED MOUNT

(NOT TO SCALE)



The fixed mount is a quick and easy method of mounting GEN3 to any surface when field adjustment is not required. Features include:

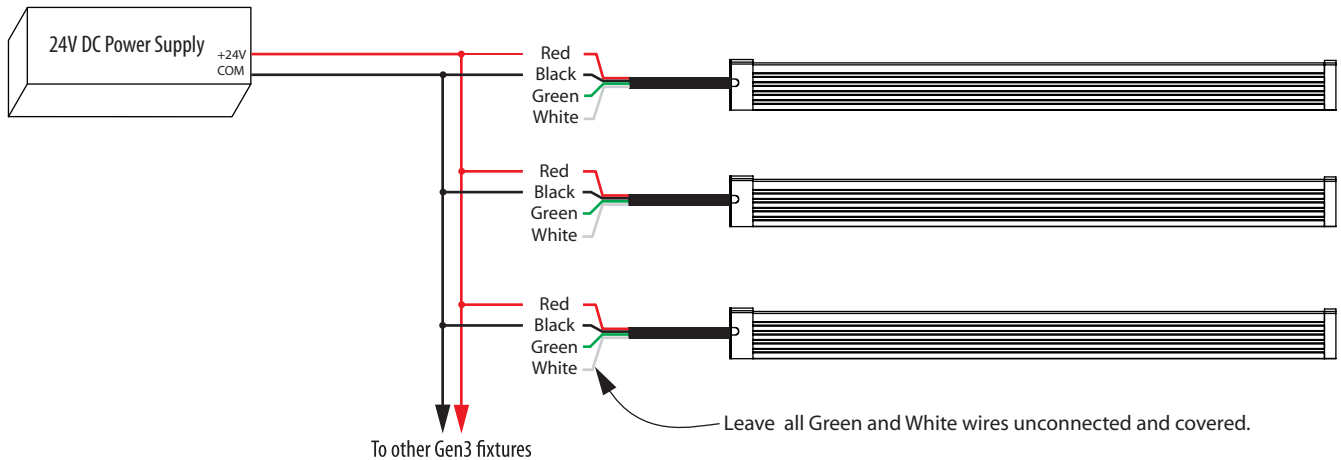
1. Solid aluminum construction.
2. Fastens to GEN3 via 8-32 screws.
3. Holes on back at six inch o.c.
4. Matte black finish.

V-line Gen3 can be powered by any non-magnetic 24V DC power supply - do not connect Gen3 directly to line voltage!
 The 24V DC power supply must be capable of supplying adequate power to the quantity of Gen3 fixtures to avoid permanent damage to the power supply and Gen3 fixtures.

Each linear foot of Gen3 consumes 8W of power. Multiply total footage by 8W to determine size of power supply required.

NON-DIMMING INSTALLATIONS

Non-dimming installations require wiring the Gen3 fixtures in parallel to a 24V DC power supply.
 Create a pair of feed wires using 16 ga or larger wire. Use of 12 ga wire is recommended for remote power supply installations.
 Connect Gen3 **RED** wire to power supply **+24V DC**
 Connect Gen3 **BLACK** wire to power supply **COMMON**
 On non-dimming installations the **GREEN** and **WHITE** wires are not used and should be left unconnected but covered.



DIMMING INSTALLATIONS

All dimming installations require the use of the LightLink dimming module which is spliced inline with the control signal output from the dimming control system. The LightLink module will accept any 0-10V dimming signal input (source or sink) from any dimming control system as well as PWM input and analog input from room sensors or other devices. Refer to LightLink documentation for detailed installation and operating instructions. Mount the LightLink module close to and feed it power from the same 24V DC power supply used for the Gen3 fixtures. On installations requiring more than one transformer, a LightLink module must be used for each supply. Multiple LightLink modules may be connected to the same power supply. Use minimum of 12 gauge wire for remote power supply installations.

- Connect Gen3 **RED** wire to power supply **+24V DC**
- Connect Gen3 **BLACK** wire to power supply **COMMON**
- Connect Gen3 **WHITE** wire to LightLink Output Marked **"DIM"**
- Connect Gen3 **GREEN** wire to LightLink Output Marked **"COMMON"**
- Connect 1 to 10V Dimmer **VIOLET** Wire to LightLink Control Input marked **"+10V Source"**
- Connect 1 to 10V Dimmer **GREY** Wire to LightLink Control Input marked **"Common"**
- Connect power supply **COMMON** to LightLink **"Input Power 12/24V -AC"**
- Connect power supply **+24V DC** to LightLink **"Input Power 12/24V +AC"**

