



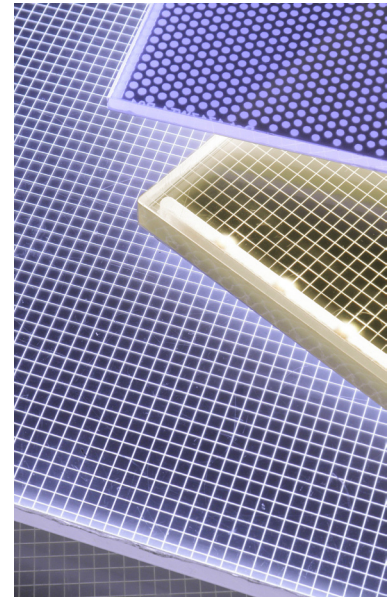
infuse™ FLAT-Lite™ Custom LED Panels

thin and lightweight
edge lit LED light panel
8mm (approximately 5/16") thickness

quality of light
Bendable / flexible light
Provides even and equal distribution of light
No hot or cold spots or unsightly "bulb lines"
Dimmable, programmable, controllable light
Available in range of lighting temperatures
Available in colored RGB light

efficient
Low energy consumption
Lasts from 50,000 to 70,000 hours
Lifespan increases exponentially when dimmed
Virtually no heat generated

custom production
Virtually any shape or size up to 48"x112"





infuse™ FLAT-Lite™ Custom LED Panels

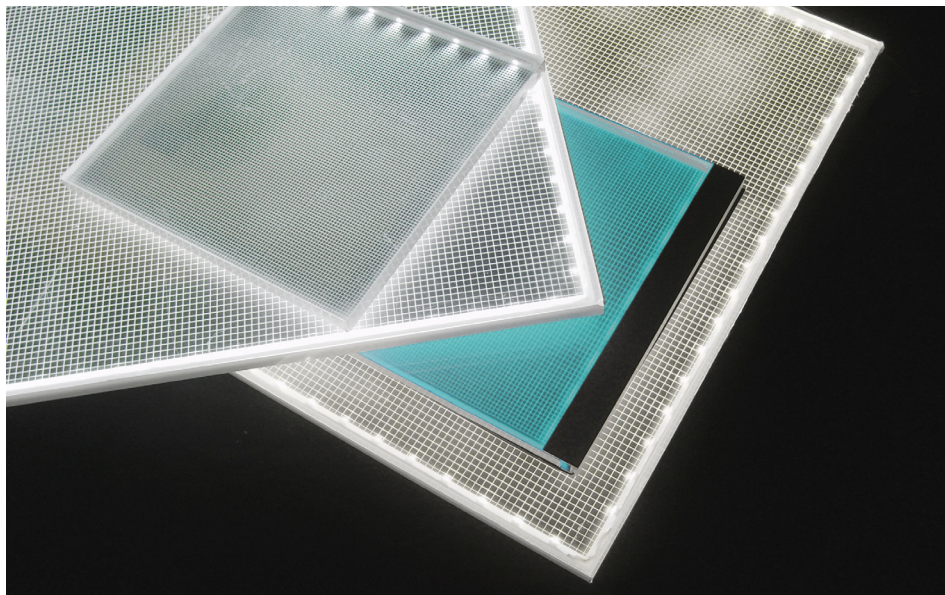
White Light

Standard Color Temperatures: 3000K, 3500K, 3900K, 5300K

All Infuse™ Flat-Lite™ LED Light Panels are manufactured per project to specified sizes.

Color temperatures described in this sheet are standard and readily available. Varying color temperatures can be created per project with specialty diodes and/or gel filters.

4100K panels are available for certain specifications only.



Colored RGB Light

Specifications of Infuse™ Flat-Lite™ LED RGB Light Panels vary from the standard base specifications (white light).

Full spectrum color changing RGB panels are designed in conjunction with custom control systems. Consult GPI for specific parameters on the color combinations and animation sequences possible with controlling Infuse™ Flat-Lite™ RGB LED Light Panels.

*Note: images are intended for visual reference only. Physical mock-ups in conjunction with specified surface material are recommended in order to determine appropriate lighting temperature.



infuse™ FLAT-Lite™ Custom LED Panels

physical properties

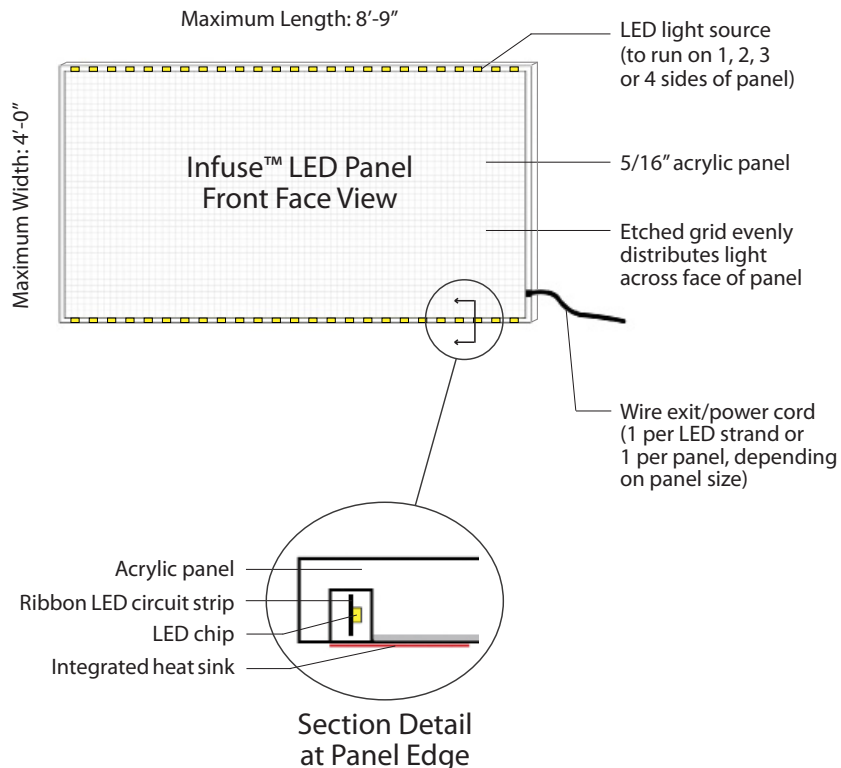
Color options	3000K 3500K 3900K (4100K available for certain specifications only) 5300K
Operating temperature	-30 C to +50 C
Standard thickness	8 mm (5/16") typ.
Minimum size	1.5"W x 3" L x 5/16" D
Maximum size	48" W x 112" L x 5/16" D

mechanical properties

Tensile strength	760 kg/cm ²
Elongation	6%
Flexural strength	1170 kg/cm ²
Flexural modulus	32000 kg/cm ²
Izod impact strength	2 kg cm/cm
Rockwell hardness	95 (Mscale)
Weight	1.95 lbs/sq. ft.

electrical properties

Input voltage	12 Volt DC
Power consumption	.25 watts/LED
Standard configuration	18 LEDs/linear foot on illuminated edge (15 mm spacing)
Electrical connection	Wire Size: 22 AWG 2 wire Connector: 2.1mm x 5.5 mm barrel connector Polarity: Positive Center





infuse™ FLAT-Lite™ Custom LED Panels

limited warranty

GPI International warrants that products shall be free from defects in materials and workmanship under normal use and proper installation for a period of two (2) years from the date of the original purchase (proof of purchase required).

The exclusive remedy and entire liability under this warranty will be for repair or replacement at GPI International's option.

The above warranty shall not apply to product defects resulting from

- a. Improper installation or maintenance.
- b. Misuse, neglect or accident.
- c. Damage during shipping or unpacking.
- d. Damage from hazardous environment.
- e. Use of power adaptor with supply voltages other than that for which it is specified.
- f. Use of power adaptors not tested and recommended by the manufacturer.
- g. High voltage surges.
- h. Electrostatic discharges.
- i. Operation outside the product's specification.
- j. Failure to follow product instructions.

The warranty is void if products are disassembled, modified, or improperly used. GPI International shall not have any obligation to repair or replace product until the purchaser returns defective product to GPI International. Any replacement product may be either new or like-new, and may contain remanufactured parts, equivalent to new in performance.

Returned products are subject to inspection and evaluation at GPI International's facility. The purchaser assumes repair or replacement and shipping cost should the returned products are deemed to be non-defective or deemed to be damaged by the purchaser. Under no circumstances, shall GPI International be responsible for repair or replacement at the purchaser's facility or at any other installation site at its own cost.

EXCEPT FOR THE EXPRESS WARRANTIES SET FORTH ABOVE, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE PRODUCTS ARE SUPPLIED ON AN "AS IS" BASIS AND THERE ARE NO WARRANTIES, REPRESENTATIONS OR CONDITIONS WHETHER EXPRESSED OR IMPLIED, WRITTEN OR ORAL, ARISING BY STATUTE, OPERATION OF LAW, COURSE OF DEALING, USAGE OF TRADE OR OTHERWISE, WITH RESPECT TO THE PRODUCTS. THE MANUFACTURER SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, SATISFACTORY QUALITY, DURABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT.

IN NO EVENT SHALL THE MANUFACTURER BE LIABLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, INDIRECT OR SIMILAR DAMAGES, INCLUDING ANY LOST PROFITS, INSTALLATION OR RE-INSTALLATION COSTS, OR OTHER INCIDENTAL OR CONSEQUENTIAL OR PUNITIVE DAMAGES, WHETHER BASED ON CONTRACT, OR ANY OTHER LEGAL THEORY, WHETHER OR NOT ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, OR WHETHER SUCH DAMAGES ARE FORSEEABLE. IN ANY EVENT, THE TOTAL AGGREGATE LIABILITY OF GPI INTERNATIONAL FOR DIRECT DAMAGES SHALL NOT EXCEED THE PURCHASE PRICE OF THE PRODUCT.



infuse™ Custom Power Supply

trusted, tested, and compliant

Made in USA exclusively for Infuse™ Flat-Lite™ LED Light Panels
Increased power supply capacity for commercial applications
Even distribution of electrical loads to LED panels
ETL listing to UL 508A
Customized per load requirements
Optimizes fixture life span

easy installation

Minimal hardware & wiring
Compact & modular
Wall mount enclosure
Quick connect pieces
Size: 18"x14"x3"
Weight: 15 lbs



infuse™ Custom Power Supply with Dimming Capability

control and flexibility

All-in-one unit with both power and dimming capability
Dimming control over individual LED panels and/or in groups ("neighborhoods")
Adjust lighting levels to desired brightness
Communication with central building management system
Flexibility to set different scenes
Balance brightness between large and small panels
Saves even more energy

features

Compatible with DMX protocol (DMX512 input)
Can dim up to 256 channels
Fully customized per project
Fully integrated load distribution
ETL listing to UL 508A
Size: 18"x14"x3"
Weight: 15 lbs



Unit is configured for two dimming possibilities:

- ① *Manual control: LCD screen for manual control/dimming*
- ② *Centralized control: (DMX512 input) with proper interfaces, communicate with most building management/central lighting control systems*

*contact gpi for schematics, wiring details and full installation instruction guide.



infuse™ Custom Power Supply

compliance information

ETL listing to UL 508A

RoHS compliant (lead-free) per EU environmental rules (WEEE)

Enclosure must be installed in accordance with the National Electric Code, ANSI/NFPA 70

physical properties

Weight: approximately 15 lbs

Dimensions: approximately 18"x14"x3"

Maximum operating temperature of 50 degrees Celsius

Self cooling fan generates approx. 25 dBA of noise

Intake filters for added protection

Pilot light

120VAC in 12VDC out Mean Well RSP-1000-12 switching power supply

(12) 5A fused NEC 725 CL

2 12VDC outputs

(12) screw terminal pairs for 12VDC output

Includes 12 pieces of Phoenix contact model GMSTBA 2, 5/ 2-ST, # 1766880 2 pole screw terminal sockets, which will accept up to 12 AWG wire

*installation

NEMA 1 steel and/or aluminum wall mount enclosure designed for contractor installation, indoor use only

Unit can be installed with mounting tabs provided or on standard 19" racks

120VAC 60 Hz power input configured for contractor installation

Unit has mounting tabs (.250" holes) on back of enclosure box.

2 pole screw terminal sockets, which will accept up to 12 AWG wire

All you need is #10 hardware for mounting, and 12-2 AWG wire

*contact gpi for full installation instruction guide.

warranty

Power supply unit will be free from defects in workmanship and material for a period of one year from date of purchase. The warranty does not extend to any parts of the unit that have been subjected to misuse or accident. Neither does the warranty cover any machine that has been modified or repaired at other than an authorized repair station. Warranty will not apply if procedures in the Operations Manual are not followed. GPI cannot be responsible for loss or damage in shipment. Customers requiring repair of equipment should obtain an RGA# from GPI. Unless exclusions are specifically forbidden by state law, GPI shall not be liable for incidental or consequential damages arising from the use or failure of this product, including injury to persons or property.



infuse™ Custom Power Supply with Dimming Capability

control and flexibility

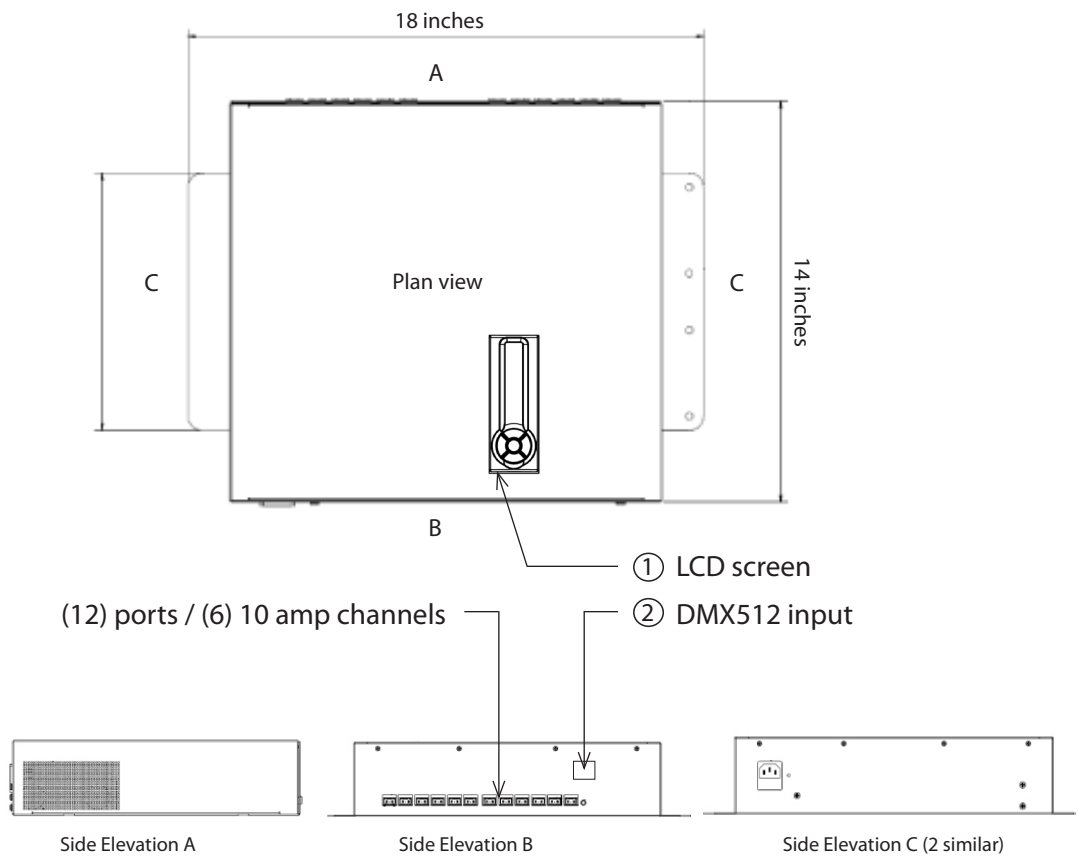
- All-in-one unit with both power and dimming capability
- Dimming control over individual LED panels and/or in groups (“neighborhoods”)
- Adjust lighting levels to desired brightness
- Communication with central building management system
- Flexibility to set different scenes
- Balance brightness between large and small panels
- Saves even more energy

features

- Compatible with DMX protocol (DMX512 input)
- 720 watts / 60 amps
 - 6 channels @ 10 amps per channel
- Fully customized per project
- Fully integrated load distribution
- ETL listing to UL 508A
- Size: 18”x14”x3”
- Weight: 15 lbs

Infuse™ Custom Power Supply with Dimming Capability unit is configured for two dimming possibilities:

- ① Manual control: LCD screen for manual control/dimming
- ② Centralized control: (DMX512 input) with proper interfaces, communicate with most building management/central lighting control systems





Custom Power Supply with Dimming Capability

compliance information

ETL listing to UL 508A

RoHS compliant (lead-free) per EU environmental rules (WEEE)

Enclosure must be installed in accordance with the National Electric Code, ANSI/NFPA 70

physical properties

Weight: approximately 15 lbs

Dimensions: approximately 18"x14"x3"

Maximum operating temperature of 50 degrees Celsius

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Intake filters for added protection

Pilot light

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2 12VDC outputs

(12) screw terminal pairs for 12VDC output

Includes 12 pieces of Phoenix contact model GMSTBA 2, 5/ 2-ST, # 1766880 2 pole screw terminal sockets, which will accept up to 12 AWG wire

*installation

NEMA 1 steel and/or aluminum wall mount enclosure designed for contractor installation, indoor use only

Unit can be installed with mounting tabs provided or on standard 19" racks

120VAC 60 Hz power input configured for contractor installation

Unit has mounting tabs (.250" holes) on back of enclosure box.

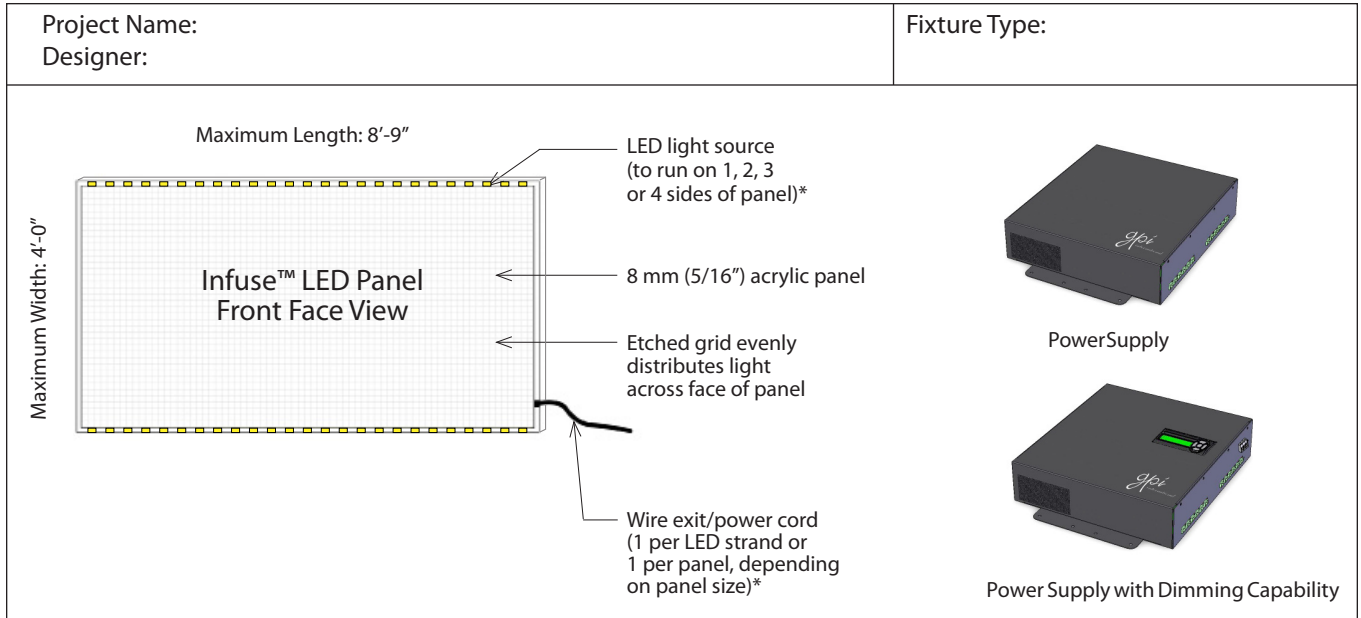
2 pole screw terminal sockets, which will accept up to 12 AWG wire

All you need is #10 hardware for mounting, and 12-2 AWG wire

*contact gpi for full installation instruction guide.

warranty

Power supply/dimming unit will be free from defects in workmanship and material for a period of one year from date of purchase. The warranty does not extend to any parts of the unit that have been subjected to misuse or accident. Neither does the warranty cover any machine that has been modified or repaired at other than an authorized repair station. Warranty will not apply if procedures in the Operations Manual are not followed. GPI cannot be responsible for loss or damage in shipment. Customers requiring repair of equipment should obtain an RGA# from GPI. Unless exclusions are specifically forbidden by state law, GPI shall not be liable for incidental or consequential damages arising from the use or failure of this product, including injury to persons or property.



Specifier: please fill in red boxes below.

Manufacturer: GPI Design/GPI International (www.gpidesign.com)

Product Name: Infuse™ LED Backlighting System

Lamp: approx. 3.4 watts-4 watts (per square foot)

Listing: UL Listed

Voltage: 120/240 VAC to 12VDC

Description:

Surface mounted low voltage edge lit LED panels, nominal 8mm clear acrylic board with grid etching, LED at 1, 2, 3 or 4 sides (to be determined by lighting designer and manufacturer), useful life 70000 hours, color temperature as noted below, lengths/widths as needed (to be coordinated with architect and lighting designer).

Each panel to be individually dimmable to allow for balancing of light intensity. LED Panels and dimming packs shall be manufactured by the same company (GPI Design/GPI International). Manufacturer to provide shop drawings for approval by designer prior to fabrication.

INFUSE - - - - -

Model Area of illumination DriverType Temperature Surface to be illuminated Optional Diffuser

(overall square footage of all panels)*

Panel Length Panel Width
(if available, or forward drawings)*

PS=Power Supply
 D=Power Supply with Dimming Capability

3000K
 3500K
 3900K
 5300K
 RGB=Colored RGB
 ALT= Other temperatures achieved with specialty diodes/gel filters, describe preferences.

DURA=Dura-Lite™ Glass Backed Stone panels manufactured by GPI
 GPI= Surface manufactured by others, but incorporated into GPI's bid, please forward specifications.
 OTH= Surface by others, please forward specifications.

DIF=DIFFUSER, OPTIONAL AND AS ADVISED per GPI
 Please forward:
 1) specification of the surface to be illuminated
 2) depth of lighting cavity between surface and LED panel
 for GPI to evaluate potential need for diffusers.

**Note to bidder: forward full set of dimensioned drawings, including plans, elevations, and section details for GPI to provide ideal system design and accurate pricing.*