

It is hard to believe that 1991 was 25 years ago. Gas prices were \$1.12 per gallon. A dozen eggs cost 85 cents. The Dow Jones topped 3,000 for the first time. The Soviet Union was still a country. The first Airbus A340 and Cessna CitationJet took flight. Tim Berners-Lee was launching something almost no one knew about called the "World Wide Web." Microsoft introduced MS-DOS 5.0. It would be a distant 16 years before the first iPhone made its debut.

In San Antonio, Texas, 1991 would be the year Jeff Bonner used his engineering expertise in aviation to start a research and development company. By progressively expanding capabilities and personnel, JBRND has grown into an internationally recognized leader in the manufacturing of luxury aircraft furnishings serving VIP, commercial and military clients from around the world.

OUR SAN ANTONIO FACILITIES



JBRND WOULD LIKE TO THANK EVERYONE WHO HELPED US REACH 2016.

JBRND provides turn-key assemblies with 99% of the processes done in-house. On-going, extensive and in-depth training defines our manufacturing personnel. JBRND maintains aggressive programs to ensure quality manufacturing and state-of-the-art procedural upgrades. With over 150,000 parts made last year and less than 3% in-house rejections, JBRND quality speaks for itself. Put us to the test. Quality products combined with attentive service are what to expect from JBRND.

Our electric SyncDrive and manual SlideDrive window shade systems have virtually eliminated failures of older technology in window shade units leading to fewer or even no repairs being necessary.

So far in testing, these units have gone well over a million cycles without a failure. These are lightweight window units. Electric SyncDrive single units weigh just 5 lbs for a 787 Dreamliner and just 8 lbs for an Airbus A319. JBRND can customize these window units for aircraft of any size.

OPTIONS

SlideDrive (MANUAL)

- Easy Slide Lever
- Multiple Color Options (for Shade and Mask)
- Two Tone Trim Accents

SyncDrive (ELECTRIC)

- CMS Controllable
- Multiple Color Options (for Shade and Mask)
- Two Tone Trim Accents
- Easy Slide Lever (for Manual Override)

LED Accent Option (BOTH)

- Operating Voltage: 28VDC
- Wifi / App Controllable
- **OPTIONS:** Warm White, Natural White, Cool White, RGBW

IS THERE SOMETHING YOU DON'T SEE HERE?

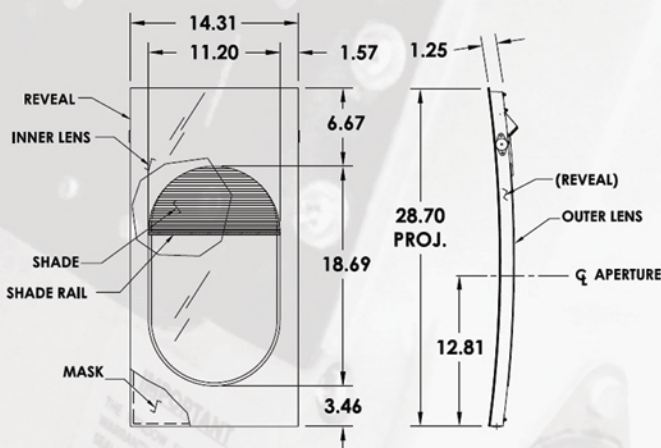
Call JBRND and we'll be glad to answer any questions you have.

Example: SlideDrive (Cassette Single Unit) for a 787 Dreamliner

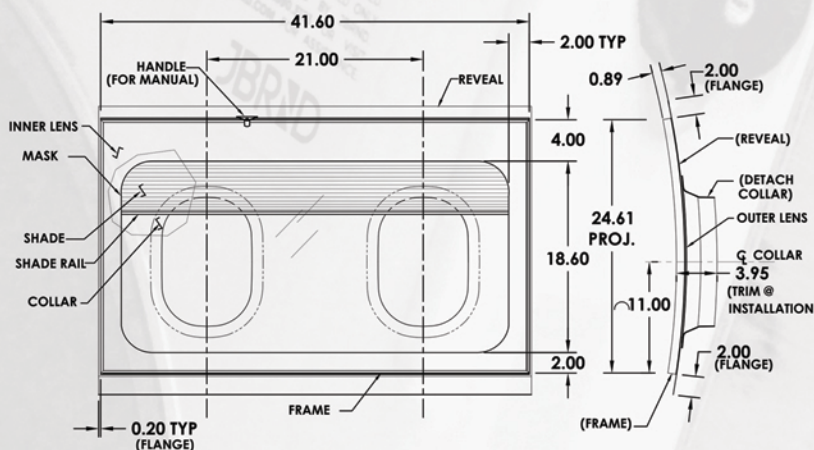
NOTE: Diagrams are examples only. Our standard and cassette window units (single, double and triple) are designed and built to order.

JBRND Window Shades are available for the following aircraft and more...

BBJ 1, 2 and 3
747, 757, 767, 777 and 787
A318, A319, A320, A321, A340 and A380



Example: SlideDrive (Standard Double Unit) for Airbus A319



Made from lightweight composites, our manual SlideDrive and electric SyncDrive window shade units utilize our exclusive custom belt system. This means there are no strings incorporated into the build process. With a means between failure of more than 1 million cycles, these windows shade units will outlive any aircraft. Our aircraft windows are available in single, double or triple configurations. We make both standard and cassette style windows.

The standard "framed" type of aircraft windows are fully visible with an outside frame. Our cassette type aircraft windows are partially visible and mounted to the back of the sidewall window cutout.

JBRND manufactures custom, luxury certified showers for aircraft of all sizes, in all types of finishes and configurations. We offer turnkey shower solutions for a wide range of aircraft from Gulfstream jets to Dreamliners. Our showers are made from high-strength, lightweight, fiberglass laminates that meet the latest interior certification standards.

Custom formed construction allows for different shapes ranging from round, square, d-shaped and other configurations. JBRND showers are painted and clear coated with a high quality polyurethane paint. The shower doors can be frosted with custom artwork patterns to match the aircraft's decor.

OPTIONS

TYPES

- Round
- Square
- Contour
- D Shaped
- Wing Shaped

FINISH OPTIONS (Trim & Amenities)

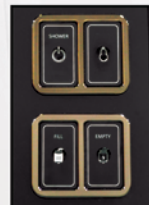
- Plated
- Chrome
- Gold
- Crystal

OTHER OPTIONS

- Detachable Shower Head
- Waterproof LED Lights
 - IR Sensor
(for auto on/off lights)
- Water Remaining
(LED Indicator)
- Info/Ordinance Sign
- Frosted & Etched Doors

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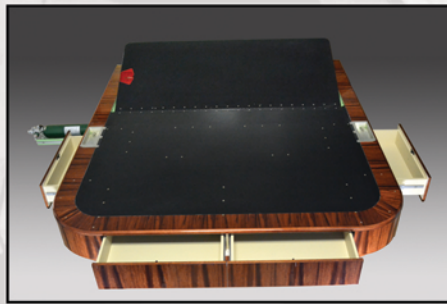
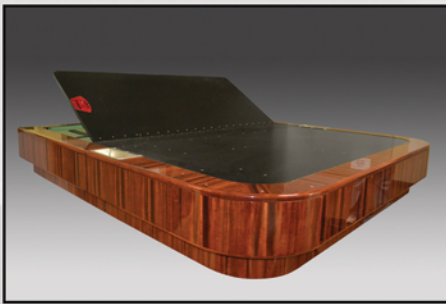


We also offer a number of accessories for our showers. These include IR Sensors, LED Lighting, custom valve plate designs, information signs (Return to Seat and Oxygen signs), and water tank systems. You're not going to find a higher quality aircraft shower anywhere in the world. If you need a shower built for your aircraft or for multiple aircraft, contact JBRND.

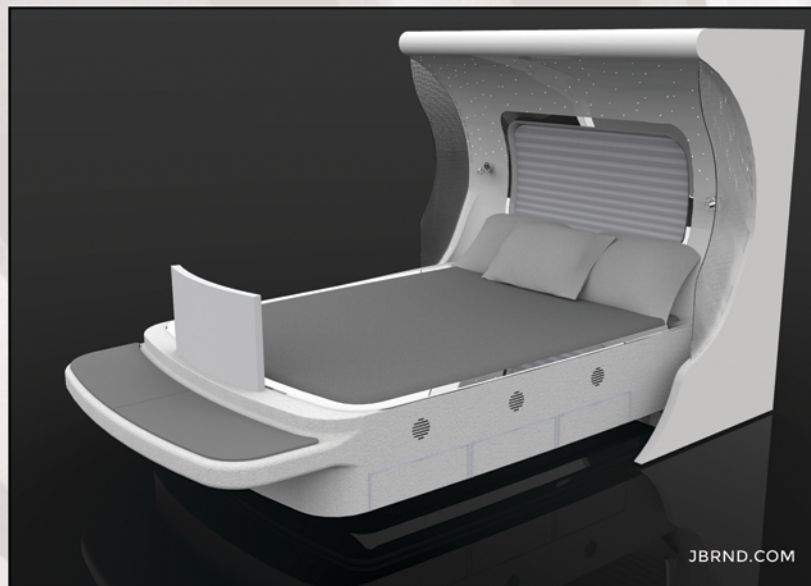
Beds by JBRND are constructed from a combination of composite and metal structures. These are easily adaptable to any size aircraft no matter the location. JBRND offers both single and double articulating beds along with countless design and finish options.

Unlike small, tuck-away, inflatable types of in-flight bedding, JBRND beds are fully installable standard-sized beds with single and double articulating options. We also offer a full range of design and finish options along with custom safety and storage capabilities. Our single bed articulates the back rest while the double articulates both the backrest and the long side. This allows the bed to level itself based on the angle of the aircraft in flight.

ARTICULATING & DUAL ARTICULATING BEDS



EXAMPLE: CUSTOM STARLIGHT BED



This is a self-leveling, dual actuating bed featuring 6 cabinets, hidden storage, reading lights, a fiber optic starlight headboard, 6 built-in speakers and a curved flat-panel TV lift.

These beds can feature any type of custom decorative shroud whether upholstered or veneered. Voltage Options: 28VDC or 110VAC 400Hz – 800Hz. These beds are DO 160 Certified and Pull Tested.

From King Airs to Boeing 747s, our headliner kits include valence panels, ceiling panels, domes, rotundas, and all secondary supporting structures. In addition to full burn test certification, we can also provide cut-outs and foam inserts for lights, speakers, and other ceiling components to eliminate time consuming edge-fill in all the cutouts.



Aircraft Headliners are a very complex and delicate section of the aircraft. For today's VIP, commercial and military aircraft, a headliner has to be exceptionally lightweight and well built. As we embrace some of the newer and more efficient technologies for aircraft manufacturing, JBRND headliners have evolved beyond what can be found in many VIP interior companies.

LIGHTWEIGHT - FULL BURN TEST CERTIFICATION - SECONDARY SUPPORTING STRUCTURES

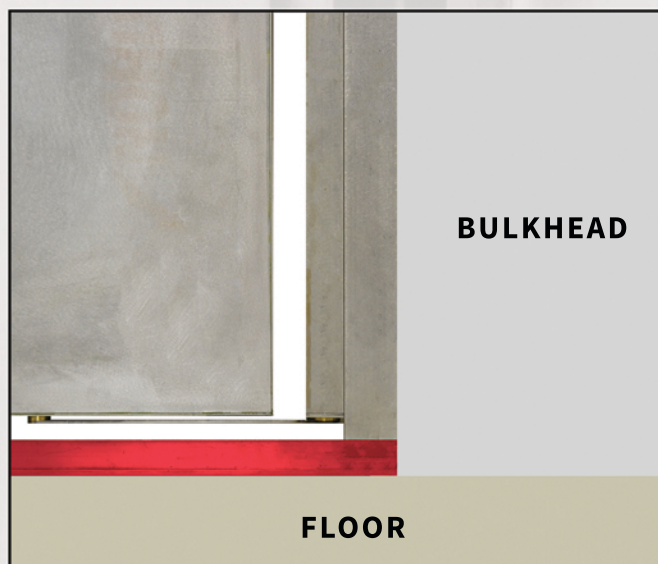


JBRND Headliner Kits are professionally manufactured for any size aircraft with any number of configurations. All pieces are made at our facilities in San Antonio, Texas and packed ready for installation in the aircraft. Our valance and ceiling panels are cut to fit. JBRND engineers do the painstaking math to ensure each panel fits exactly as it should in the aircraft.

In addition to full burn test certification, JBRND does long beam/short beam testing for every single kit. JBRND aircraft headliners also include custom foam inserts for strengthening ceiling cut out holes for speakers, sensors, lighting, etc.

Each JBRND Headliner Kit is manufactured to the customer's specifications. We can accommodate all types of special circumstances. Keep in mind that JBRND also manufactures LED lighting systems and other components related to the headliner. When choosing JBRND LED cabin lighting or JBRND IR Sensors for the aircraft, all mounting brackets come pre-assembled on all headliner panels for easy install. JBRND constructs headliner panels from the lightest composite materials available. JBRND has completed a number of headliner kits ranging from a Boeing 747-8 to a Hawker 400. JBRND has also completed 6565 rated aircraft headliner kits with full burn test certification.

JBRND's unique Pivot Doors are the perfect lightweight, customizable, easy-to-install door solution for most aircraft. Installation is a breeze with our turn-key style door and drill-to-match frame. Minimal screws and inserts are required due to our easy-install design. Our Pivot Doors can be made in any size—for any bulkhead. These doors are space-efficient and customizable to open left or right on request.



JBRND Pivot Doors are a unique alternative to a traditional swinging door. They pivot while opening nearly eliminating the usual hallway intrusion of common doors. With less than five inch encroach on the corridor, JBRND Pivot Doors allow maximum egress for your passengers. JBRND Pivot Doors are available in aluminum or fiberglass honeycomb panels.

JBRND Pivot Doors can also feature a unique locking mechanism for privacy—this includes a manual safety override. An additional design success is the inclusion of a magnetic stabilization control. No matter the open or closed position of the door, the magnetic stabilization feature holds the door in a steady position to prevent shaking. A true innovation in door design, JBRND Pivot Doors are a must have for discerning customers of the VIP aerospace industry.

SEE THE VIDEO AT JBRND.COM/PIVOTDOOR

JBRND crafts innovative aircraft pocket doors with manual and electric options. The mounting structure is machined from lightweight aluminum. These doors are shipped complete and fully operational for quick installation. These pocket door units are not in kit form but are pre-assembled on an aluminum frame and ready to install.

OPTIONS

TYPES

- Manual
- Electric
- Lock
- No Lock

FEATURES

- Pre-Assembled
- Easy Install
- Carries High Loads
- Fully Certified
- Pull Tested
- DO-160 Approved

OTHER OPTIONS

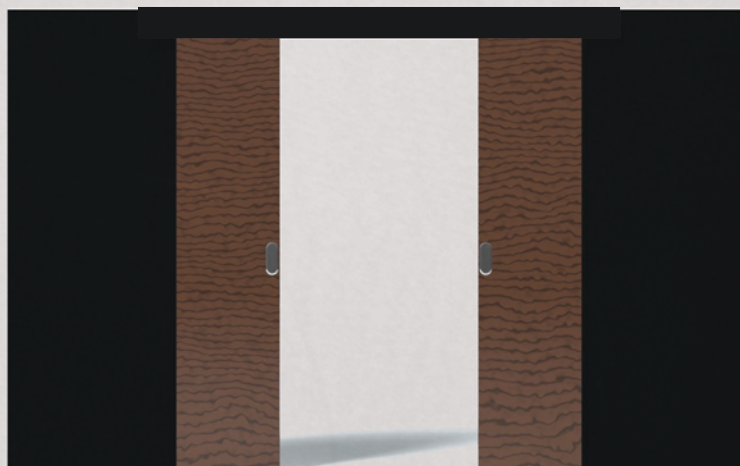
- Custom Decoration
- Custom Plating
- LED Lighting

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DOOR HANDLE/
LOCK MECHANISM



Our aircraft pocket door solutions are custom built for any aircraft with all types of configurations. Our electric doors have a load capacity of 100 lbs. while our manual doors have a load capacity of 25 lbs. Electric aircraft pocket doors come with our custom capacitive touch switch option (with standard or illuminated arrows.) Voltage options are 28VDC or 110VAC 400Hz to 800Hz. Our standard pocket door sizes are 28", 30" and 36", with custom sizes available. Get in touch with JBRND today to find out more about our aircraft pocket doors.

LED lighting provides a higher quality experience with far less power consumption than traditional lighting systems. JBRND manufactures the lightest and thinnest interior aircraft LED lighting options in the industry with easy to install analog and digital control systems. As this technology continues to evolve, JBRND is at the cutting edge of aircraft LED lighting solutions. Our LED cabin lighting features “even glow” illumination with no direct visual of the actual LED lights or “hot spots.” The waterproof construction gives off virtually no heat emissions.

OPTIONS

TYPES

- 3" Ceiling Lights
- 6" Ceiling Lights
- Wash Lights
- Custom Shape Lights
- Shower Lights
- Reading Lights
- Table Lights
- Aisle Lights

SPECS

- Wifi/APP Controllable
- Bright LED Technology
- Upwash/Downwash/Accent
- Waterproof
- Energy Efficient
- Extremely Lightweight
- Easy Mounting

COLOR OPTIONS

- Warm White
- Natural White
- Cool White
- RGB White
- RGB

VOLTAGE:

28V

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CEILING LIGHTS



WASH LIGHTS



SHOWER LIGHTS



READING/TABLE LIGHTS



JBRND FLIGHT LIGHTS 2.0 APP FOR IOS & ANDROID



JBRND LED lighting offers smooth dimming options with fully customizable solutions for ceiling lights, wash lights, reading lights & air gaspers, shower lights, and aisle toe kick lighting. Voltage Options: 28VDC or 110VAC 400Hz – 800Hz and are DO-160 Certified Lights. Custom bezels are available.

The JBRND Ceiling Light is a high intensity 28Vdc LED light developed for the corporate and VIP aviation markets. The light source utilizes a series of high bright LEDs. Its compact size is ideal for overhead lighting in such areas as aircraft cabin, baggage storage, entryways and galleys. There are two standard ceiling light sizes available—six inch and three inch.

Utilizing a flush mount design for easy installation, the Ceiling Light provides the light output required by aircraft of all size and type. A Rigid LED Circuit Board is used in the light housing which provides for low heat generation and low power consumption. The LED Ceiling Light features customizable color types with evenly distributed high quality white light. For alternate color temperatures contact JBRND.



A complete LED Ceiling Light Assembly consists of the following:

- Metal Housing
- Rigid LED Circuit Board
- White Polycarbonate Lens
- Mil-spec rubber grommet
- A two (2) pin male connector for standard Ceiling light
- A four (4) pin male connector for Ceiling/Emergency light

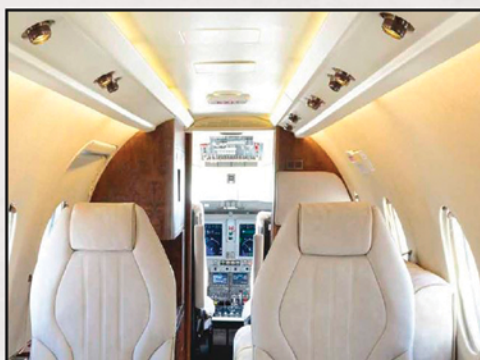
LED TYPE	LED DESCRIPTION	MINIMUM VOLTAGE	MAXIMUM VOLTAGE	NOMINAL VOLTAGE	CURRENT AMPS
-9	W -1ft	25VDC	32VDC	28VDC	200 Ma
-10	RGBW -1ft	25VDC	32VDC	28VDC	340 Ma

The JBRND Ceiling Light can also be ordered as a combination LED ceiling light and emergency light. The voltage input to the emergency light can be 6V, 12V, 24V or 28V from the aircraft emergency light system. It is used where emergency lighting is required in areas such as aircraft cabin, baggage storage, entryways and galleys etc.

The LED Ceiling Light is a non-essential electrical item and aircraft power to the system is controlled by dedicated circuit breakers. Power may be supplied to the LED Ceiling Light through the use of the Cabin Management System (CMS) or through the use of cabin installed switches that controls the ON/OFF function of the LED Ceiling Light.

The JBRND Reading Light was designed to replace the incandescent assemblies in existing reading lights (Wemac, etc.) during refurbish or to be used in new interior installation. LED Reading Lights are intended to provide general cabin illumination for passenger and crew lighting applications in all types of aircraft.

The JBRND Reading Light is a non-essential electrical item, and aircraft power to the system is controlled by dedicated circuit breakers. A long-life LED lamp module is used in the light assembly which provides for low heat generation and low current draw. The LED color temperature is Warm White (2900K). For alternate color temperatures contact JBRND.



A complete LED Reading Light Assembly consists of the following:

- Lightweight flame retardant plastic housing
- 1 watt power LED lamp module
- Light beam focus
- Clear Polycarbonate diffusing lens
- 5-inch long wire leads
- 2 position Molex connector for aircraft interface

MODEL P/N	MINIMUM VOLTAGE	MAXIMUM VOLTAGE	NOMINAL VOLTAGE	NOMINAL AMPERAGE	POWER WATTS
JBML-RL3-WW28-1W	25VDC	32VDC	28VDC	350 mA	1.0

This LED light assembly can be inserted into the back of any reading light on the market as preferred by the customer to match the air gasper. JBRND LED Reading Lights conform to "Passenger Reading Lights" Compliance Report SAE ARP378.

[LEARN MORE AT JBRND.COM](http://JBRND.COM)

The JBRND LED Wash Light is designed to replace standard fluorescent or cold-cathode tube lights and provide lighting for the interior passenger cabin areas of the aircraft. Typically, the lighting is used as an indirect light source along the length of the general seating area of the cabin, however it is also suitable for other areas such as galleys and lavatories.

The JBRND LED Wash Light is a non-essential electrical item. Aircraft power to the system is controlled by dedicated circuit breakers. Power may be supplied to JBRND LED Wash Lights through the use of a Cabin Management System (CMS) or through the use of cabin installed switches that control the ON/OFF function of the LED Wash Lights.



A complete JBRND LED Wash Light Assembly consists of the following:

- Lightweight Aluminum Housing
- Rigid LED Circuit Board
- White Polycarbonate Lens
- Installation Mounting Clips
- A two (2) pin male connector and a two (2) pin female connector

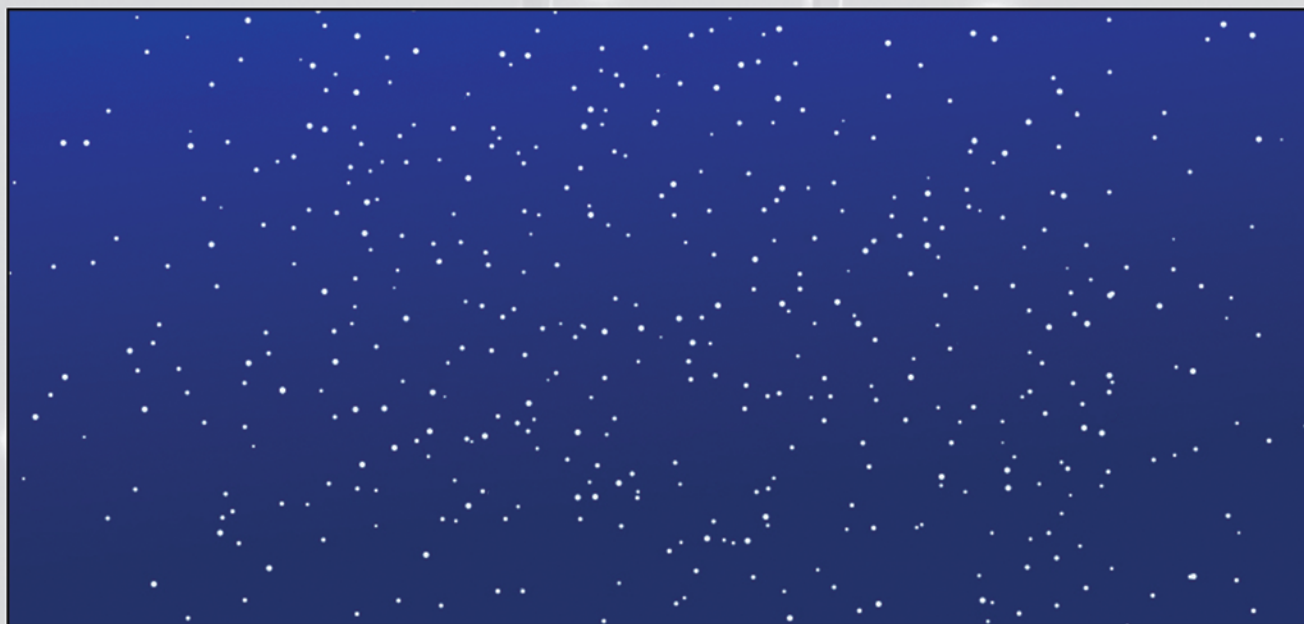
LED TYPE	LED DESCRIPTION	MINIMUM VOLTAGE	MAXIMUM VOLTAGE	NOMINAL VOLTAGE	CURRENT AMPS
-9	W -1ft	25VDC	32VDC	28VDC	200 Ma
-10	RGBW -1ft	25VDC	32VDC	28VDC	340 Ma

For most installations, the wash light illumination is simply projected through the gap between the cove panel and cabin wall/ceiling surface. The look or effect of the light depends on the gap and the distance of the light as recessed from the opening—a softer or harder edge of light can be created.

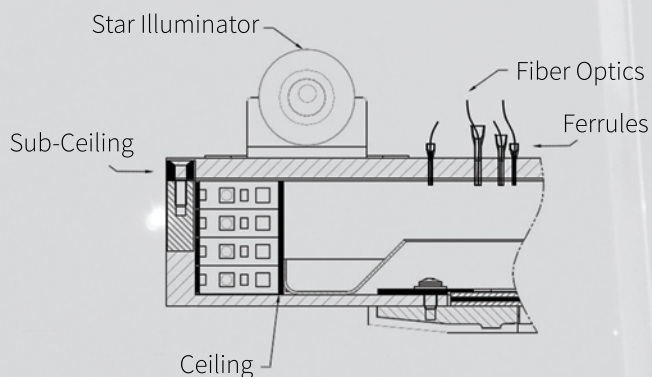
Warm, natural and cool LED wash light colors are available. Warm light provides the best look and color compatibility with earth toned interiors. Natural light provides a neutral illumination bringing out the true colors of the interior environment. Cool light provides the most intensity but may distort earth tones.

[LEARN MORE AT JBRND.COM](http://JBRND.COM)

Custom fiber optic Starlight fixtures by JBRND provide a breathtaking, aesthetic improvement to any room on an aircraft. These beautiful fixtures are not intended to provide general cabin illumination, but the JBRND Starlight gives the impression of a crystal clear sky full of stars above. The star field can even be populated with stars of varying sizes. A long life LED lamp module is used to light the fiber optic strands which provides for low heat generation and low current draw.



The Starlight assembly consists of a lightweight composite for the housing LED strips, a frosted lexan diffusing lens, multiple LED lamp modules (dependent on amount of stars) and decorative metal frames. The amount of LED modules (Illuminators) is dependent on the desired design of the star field. The star field can be populated with different sized stars. The size of the stars limits the amount of fibers per illuminator. The background can be upholstered or painted to the desired finish.



Flight Lights is the JBRND app for iOS and Android used to control JBRND LED Lighting on aircraft. Packed with features, Flight Lights has the ability to perform Dimming, White Temperature Adjusting, RGB, and RGBW control all in one. Each section of the aircraft's lighting can be individually labeled with a title and corresponding image. Flight Lights also has the ability to save Scenes that run customizable programs for different lighting fades and transitions.

Scenes gives a user the ability to customize the lighting of the aircraft for scenes such as "Aircraft Boarding" or "Night Mode" with one touch of the button. The app is already preloaded with a number of preset modes to use as well as for viewing different lighting effects. JBRND's lighting system can be installed on any aircraft, big or small, and has passed critical DO 160 testing requirements.



JBRND's Flight Lights app is available for free on the App Store for iOS devices such as iPhone and iPad and on the Google Play Store for Android devices.



LEARN MORE AT JBRND.COM/FLIGHTLIGHTS

JBRND makes electric-powered TV lifts with a manual push override. They offer quiet movement and are configurable for any size screen. These TV lifts can be powered through the aircraft's cabin management system. Our TV lifts for aircraft are perfect for any size aircraft. They offer an efficient way of raising and lowering flat panel televisions.

JBRND custom TV lifts are side-mounted to keep them as thin as possible. Configurable for any size screen, these TV lifts are exceptionally quiet while traveling up and down. Our TV lifts can be easily powered through the aircraft's CMS system and offer voltage options of 28VDC or 110VAC 400Hz to 800Hz. Contact JBRND to find out more about our TV lifts for your aircraft.

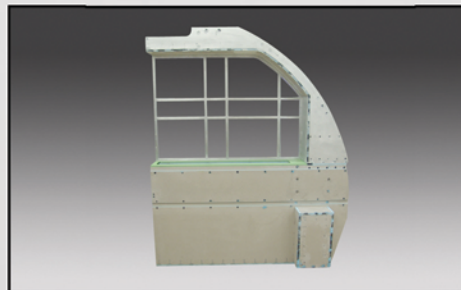
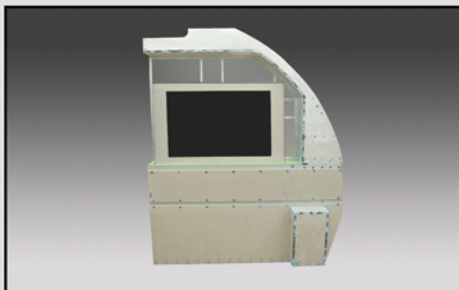
SIDEEDGE TV LIFTS



FOOTBOARD TV LIFTS



CABIN DIVIDER TV LIFTS



JBRND constructs quality foldout tables. Built to your specifications, these lightweight foldout tables can be custom made for any type of aircraft. We also build custom fixed tables.

Our foldout tables are built to exact size specifications with specifically designed structures to allow for a lightweight station. With a load capacity of 200 lbs., these tables have a flush lid when deployed blocking visibility of table mechanisms.

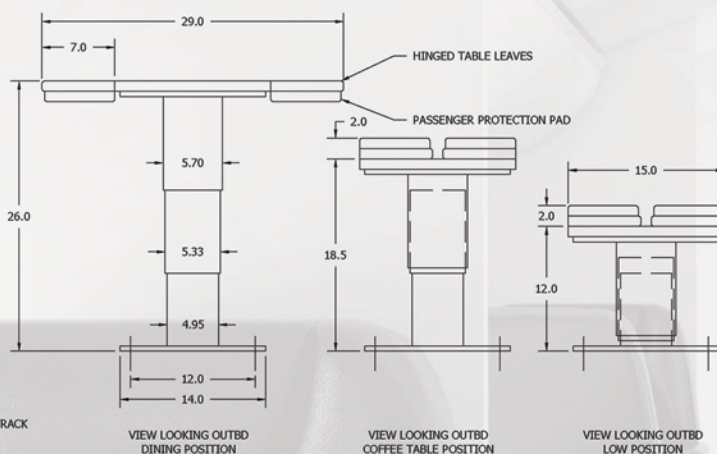
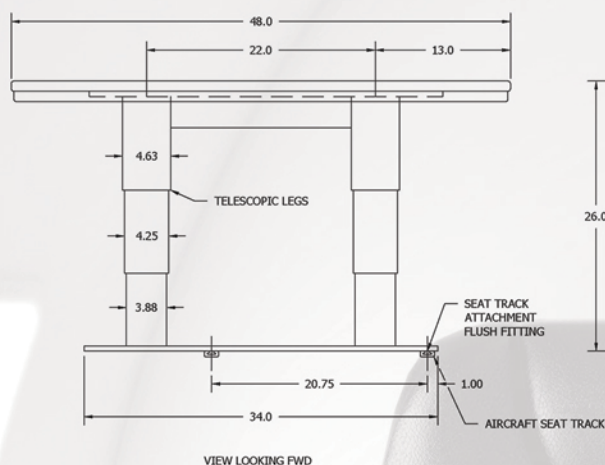
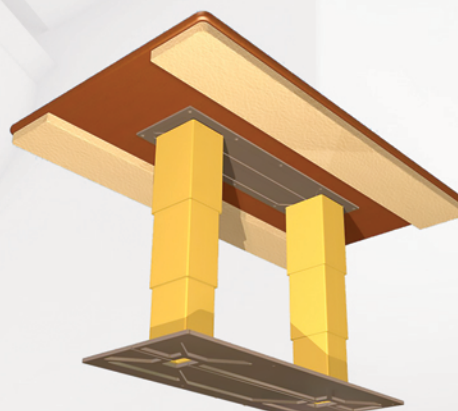
These tables feature close, tight-gap hinges for ultra-thin seams between each table leaf. Foldout tables are built and gapped ready for final finish with optional cup holder and storage cutouts under the table leaf. They also come with a push down to unlock and spring up lift.

FEATURES:

- Spring Launched for Easy Lift
- Ultra Lightweight
- Load-rated for Over 200 Lbs.
- Dual Metal Hand Grips
- Optional Cup Holders
- Optional Storage Cutouts
- Available in any Finish



The JBRND Hi-LO Table is a strong, lightweight adjustable-height table capable of supporting a total of 110 lbs. (Tabletop supports up to 80 lbs. Base supports up to 30 lbs.). These quiet tables can be finished to match any aircraft. With a stow height of 14" including leafs and a full height of 26", the JBRND HI-LO table offers a luxurious and convenient way of utilizing cabin space. Constructed with an outboard length of 48 inches and a forward width of just 15" when folded in, this table is simultaneously compact and full.



Weight -

Table Top: 80 LBS
 Pedestal: 30 LBS
 TOTAL: 110 LBS.

Ultimate Loads -

9G FWD, 3G SIDE, 3.5G UP, 6.5G DOWN, 1.5G AFT.

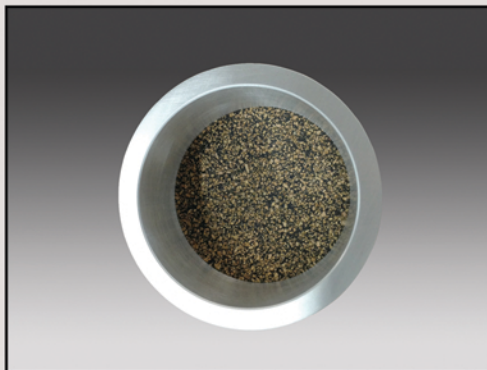
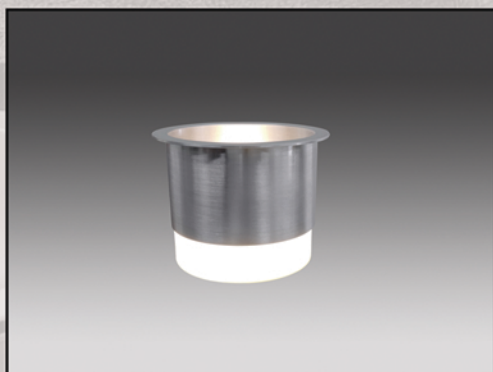
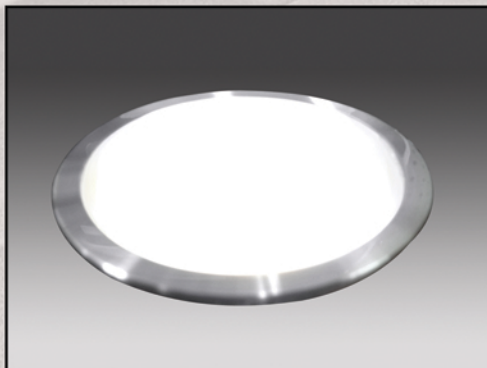
Operating Temperature & Altitude -

Within pressurized cabin with altitude of -1,000 FT to 10,000 FT
 Rapid Decompression to 45,000 FT
 Temperature Range -65°F to +160°F
 Humidity 5% to 95% within temperature range of 35°F TO 149°F

Test Requirements -

A) STRUCTURAL TEST PER SJB-160-STP
 B) FLAMMABILITY TEST PER SJB-160-FTP
 C) ENVIRONMENTAL TEST PER SJB-160-ENV
 RTCA DO-160G
 SECTION 5.0 TEMPERATURE VARIATION, CATEGORY C.
 SECTION 6.0 HUMIDITY, CATEGORY A. -
 SECTION 8.0 VIBRATION, CATEGORY S. -
 SECTION 12.0 SAND AND DUST, CATEGORY S.

JBRND offers multiple VIP custom cup holder options for aircraft interiors. Our cup holders are made from lightweight, thin-walled aluminum and come with an LED option to illuminate drinks. Our lightweight DO 160 certified aircraft cup holders come in multiple diameter sizes. JBRND offers an LED illumination option featuring direct integration into the aircraft's CMS system. Voltage options include 28VDC or 110VAC 400Hz to 800Hz.

STANDARD**LIGHTED**

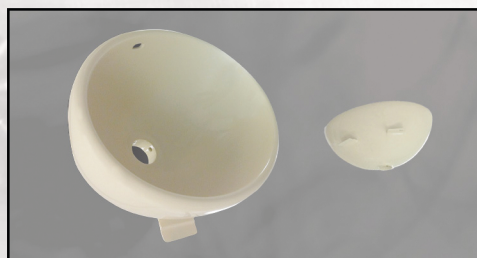
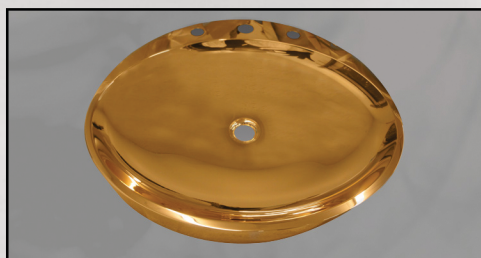
JBRND makes quality, lightweight aircraft sinks out of fiberglass or stainless steel. Our aircraft sinks come in endless shapes and designs with an optional clear coat finish. Our sinks may look thick and heavy, but they're actually lightweight and thin.

We make fiberglass and stainless steel aircraft sinks in all shapes and sizes. Sinks by JBRND range from your usual rectangular sinks to round and oval sinks of various configurations. We also make custom aircraft faucets that are lightweight and complement our sinks beautifully. All JBRND sinks meet the latest interior certification standards. Get in touch with JBRND for more information about our sinks and faucets.

RECTANGULAR SINKS



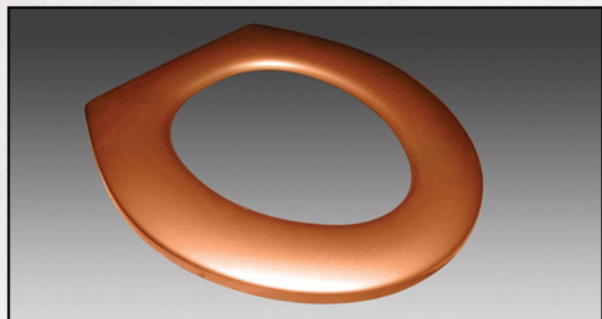
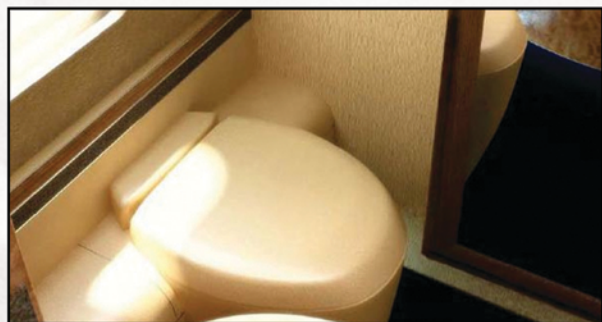
OVAL SINKS



ROUND SINKS



JBRND manufactures quality toilet & bidet shroud assemblies, along with complete bidets and associated accessories. We have made many of these assemblies over the years. JBRND uses lightweight, high quality composites. Depending on the project, most of these assemblies can be made 100% in-house at JBRND's facilities. Contact JBRND today about your project to find out more.



Custom products are a specialty at JBRND. No matter the configuration, design or shape, JBRND has all of the tools necessary to complete custom assemblies for any type of aircraft. Most of our projects are done completely in-house. Visit JBRND.COM for more information or get in touch with the information below.

The Chinese game of Mahjong is very popular among VIP's in Asia. JBRND is currently the only company in the world who makes a Mahjong table that is certified and ready for flight aboard nearly any aircraft. The table doubles as a normal stand alone table when not being used for the game allowing easy access to the game when needed and providing extra functionality when not in use.

Our Mahjong tables feature custom table surfaces, electronic game play (automatic dice-rolling, scoring and quick-shuffling,) and even an in-flight safety system with internal fire extinguishers.

