Blizzard 6550 Series Projector Enclosures

Blizzard can handle most modern projectors from 5,000 up to as much as 15,000 ANSI lumens - see the selection guide over the page

It may be blowing snow out there, but your projector will be snug and secure in its Tempest Blizzard™ enclosure. And Blizzard is just as comfortable in the tropics, the desert, at sea – in fact anywhere you might need to use a digital projector exposed to Mother Nature.

Blizzard 6550 Series Projector Enclosures are designed specifically for midrange DLP Projectors, and are available with Tempest Lighting's patented Digital Enclosure Control (DEC3.2™) technology to maintain optimum projector and lamp life in the harshest conditions. Blizzard sets the standard for elemental protection, low maintenance, and long equipment life.

Blizzard is available in three sizes, accommodating a range of medium-sized projectors up to 15,000 ANSI Lumens. Tempest's patented DEC™ System offers intelligent control of temperature, airflow and humidity, maintaining optimum operating temperature in all climate conditions, and eliminating deadly condensation. All Blizzard enclosures feature easy access for relamping, and tempered, optical glass projection windows.

There's even a Blimped Blizzard option, for sound-proofing projectors in acoustically sensitive locations.

The Blizzard 6550 Series is a complete protection system that will reduce cost and maintenance and extend lamp and projector life.

Enclosure

Exterior grade powder coated aluminum and stainless steel. Wide, tempered optical glass projection window caters for offset-lens projectors.

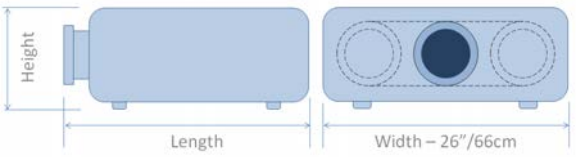
Finish

Exterior grade powder coating: epoxy primer, Cardinal T391-BG290 Bronze Texture. Custom colors to special order.

Ordering Guide:

Model #	Description	Type	Voltage	Projector Maximum: Lamp Power	Height	Length*
6550.IN	Blizzard	DEC3.2	230	1,300W	10”/25cm	24”/61cm
6550.US	Blizzard	DEC3.2	120	1,300W	10”/25cm	24”/61cm
6560.IN	Blizzard	Fan	230	1,300W	10”/25cm	24”/61cm
6560.US	Blizzard	Fan	120	1,300W	10”/25cm	24”/61cm
6555.IN	Blizzard Stretch	DEC3.2	230	1,300W	12”/30cm	35”/89cm
6555.US	Blizzard Stretch	DEC3.2	120	1,300W	12”/30cm	35”/89cm
6565.IN	Blizzard Stretch	Fan	230	1,300W	12”/30cm	35”/89cm
6565.US	Blizzard Stretch	Fan	120	1,300W	12”/30cm	35”/89cm
6556.IN	Blizzard X-Stretch	DEC3.2	230	1,300W	12”/30cm	42”/107cm
6556.US	Blizzard X-Stretch	DEC3.2	120	1,300W	12”/30cm	42”/107cm
6566.IN	Blizzard X-Stretch	Fan	230	1,300W	12”/30cm	42”/107cm
6566.US	Blizzard X-Stretch	Fan	120	1,300W	12”/30cm	42”/107cm

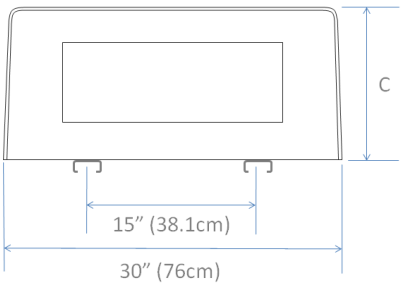
Maximum Projector Dimensions

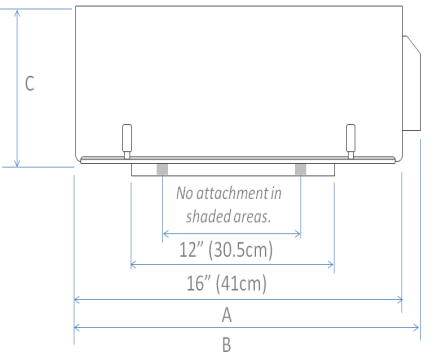


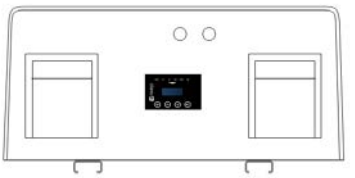
** Be sure to include the lens in your length calculation!*

All models: max projector width is 26”/66cm.

Enclosure Dimensions







Dimension	A	B	C	Weight
6550/6560	31”/79cm	33”/84cm	14”/36cm	69lb/31kg
6555/6565	41”/104cm	45”/114cm	16”/41cm	89lb/40kg
6556/6566	49”/124cm	53”/135cm	16”/41cm	98lb/45kg

Need something Smaller?

Check out our Baby Blizzard 6500 Series

Or Bigger?

Our Cyclone 8000 Series picks up where Blizzard leaves off, for projectors up to 30,000 ANSI lumens!

Access

Cover is removed for installation and maintenance, providing complete open access to the projector.

Projector Mount

Projector is held securely in place with two universal stainless steel projector clamps.

Security

Rings in the cover latches allow for the inclusion of padlocks for security in public areas.

Cooling/Heating

Cooling by a single AC axial fan located on the rear panel. Incoming air is filtered using a removable, washable air filter in the rear air intake cowl. Heater is a 500W line voltage strip heater (DEC3 models only).

Projector Protection

Projector power supply passes through a 2-pole mechanical relay (DEC3 models only), which will open in the event of a serious over-temperature event, to protect the projector from heat damage. Threshold levels are user-adjustable.

Digital Enclosure Control

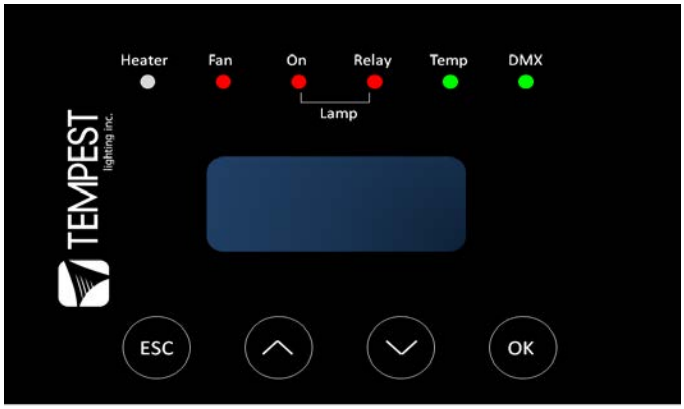
DEC3.2™ – that's Digital Enclosure Control, 3rd Generation – takes enclosure control to the next level. DEC3.2 is a an entirely new controller, featuring high-reliability surface-mount electronics, extreme heavy-duty switching components, and a handy waterproof user control panel on the outside of the enclosure. DEC3 offers communication via DMX and RDM, or may be used in its entirely automatic standalone operating mode. DEC3 monitors internal temperature, humidity and lamp current at all times, and uses this information to control its lamp relay, fans and heaters, and report back over RDM if desired.

DEC works right out of the box – if you don't want to play with its default settings, you don't need to. DEC's mission is to maintain temperature and humidity inside the enclosure within the 'Goldilocks' band – never to hot, never too cold, and never, never, allowing deadly condensation to form. Condensation is fatal to electronic equipment, particularly in polluted areas or saline environments, where it brings not only rust and short-circuits, but also a steady buildup of mineral and salt deposits. Incidentally, this is very hard to control with air-conditioning type systems, which is why we don't use them.

DEC's function depends on whether the projector lamp is on or off:

Lamp ON

When the projector is running, the heat from the lamp takes care of humidity, and DEC runs the enclosure's fan to change its air every few seconds – ensuring minimal temperature rise above outside ambient.



DEC3's user interface uses CapSense™ technology for a watertight control panel that's easy to use and easy to read.

LED indicators show the status of all major functions, and the display shows DMX address, temperature, humidity and any error messages you need to know about.

Use the simple menus to optimize temperature and humidity settings, set DMX address, view and reset lamp hour counter, and more.

Large Systems? All this is available over RDM, in your control room, or even over the internet.

Lamp OFF

When the lamp is off, DEC goes to work. When conditions are within normal bounds, DEC pulses the heater at a low level to prevent condensation, and gently changes the enclosure air every 30 seconds or so. We call this 'pulse mode', and it is the key to preventing damaging condensation inside your equipment.

If the temperature rises above the top set limit, DEC runs the fans to cool it down. In cold conditions, DEC will run the heater as required to maintain the bottom set temperature.

And while doing all of this, DEC can tell you what's happening over your RDM network – a real boon in larger installations.

Wiring Information

Two 0.875" (22.2mm) holes are provided for wiring access – one for power, one for signal. Suits US 1/2" ID/International 20mm OD conduit. IEC 3-pin receptacle provided for projector power inside enclosure.
Note that DEC3 models must be powered 24/7. Installer may provide one or two switched feeds as preferred, for projector and enclosure power.

Electrical

Suffix .IN or .US	Voltage	Max Power *	Frequency	Projector Receptacle
.IN	230	550W	50/60Hz	CE17 16amp 2p + E (blue)
.US	120	550W	50/60Hz	NEMA L6-20

** DEC3 models - Fan only models are 50W max.*

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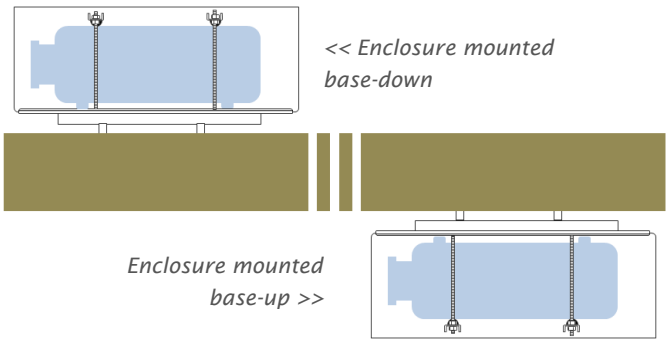
Mounting

All Blizzard enclosures may be mounted either base-down, on a solid surface or super-structure, or suspended base-up, under a ceiling, structure or overhang.



<< Enclosure mounted base-down

Enclosure mounted base-up >>

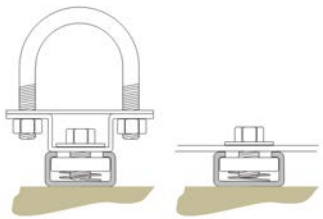
Note that the projector is held securely in place with two stainless steel projector clamps. Clamps may be fixed in a variety of positions to accomodate different projector types.

Mounting Hardware (optional)

Two parallel 1 5/8" x 13/16" Unistrut. Use standard Unistrut hardware, or order any of the mounting kits below. Tempest uses and recommends only stainless steel mounting hardware.

4900.MC *Stainless Steel pipe clamp kit, for pipes 1.5" (38mm) to 2" (50mm) OD. Four required per enclosure.*

4925.MC *Stainless Steel pipe clamp kit, for pipes 2" (50mm) to 2.5"/64mm OD. Four required per enclosure.*

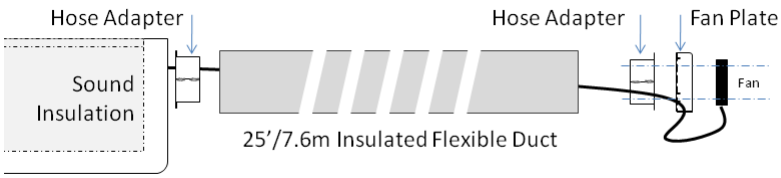


4900.MB *Stainless Steel Bolt Kit, for attachment to a (user supplied) mounting plate up to 1/4"/6mm thick.*

Tempest Lighting, Inc. accepts no responsibility whatsoever for damages arising from deficient mounting design or installation by others.

Sound Insulation (Blimp) Kits

For applications such as lecture halls and theatres, where the aim of the enclosure is to eliminate projector fan noise, use fan-only Blizzard enclosure, plus a Blizzard Blimp Kit (**6500.BK**). The kit includes a remote fan, 25'/7.6m of padded hose, and a 1.5"/45mm layer of sound insulation inside the enclosure.



Shipping (Carton Packed)

6550/6560	Carton 36" x 36" x 24" (91 x 91 x 61cm), weight 95lb/43kg
6555/6565	Carton 52" x 34" x 20" (130 x 84 x 48cm), weight 120lb/55kg
6556/6566	Carton 52" x 34" x 20" (130 x 84 x 48cm), weight 135lb/61kg

All Schedule B Export Code: 8536.30.0000

Approvals

ETL and cETL listed to UL Standard 50, 508

CE: EN55015, EN61000-3-4, EN61000-3-5, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, EN60598-1

NEMA Type 3R Enclosure (approximately equivalent to IP54)

This product is protected by US Patent Number 6,352,358.

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