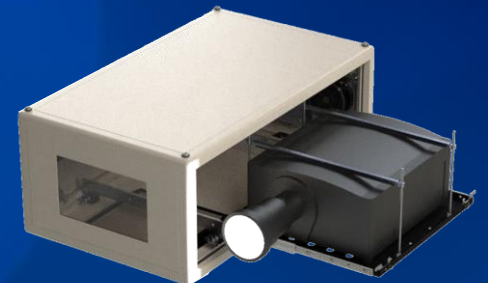


Tempest Projector Enclosures

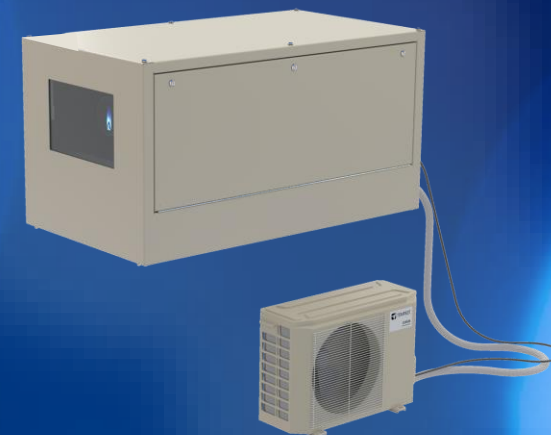
Product Overview

September, 2022



Outdoor Projector Enclosures

	Breeze	Blizzard	Cyclone	Oasis
Projectors (lumens)	3-15k	5-15k	16-50k	5-50k
Environmental	0-40°C	-25-40°C	-25-40°C	-15-50°C
Cooling	Forced Air	Forced Air	Forced Air	Active Cooling
IP Rating	IP54	IP54	IP54	IP66
Salt Fog Protection	✗	○	○	✓
Windblown Dust	✗	○	○	✓
Thermal Insulation	✗	○	○	✓
Remote Monitoring	✗	○	○	○



OUTDOOR

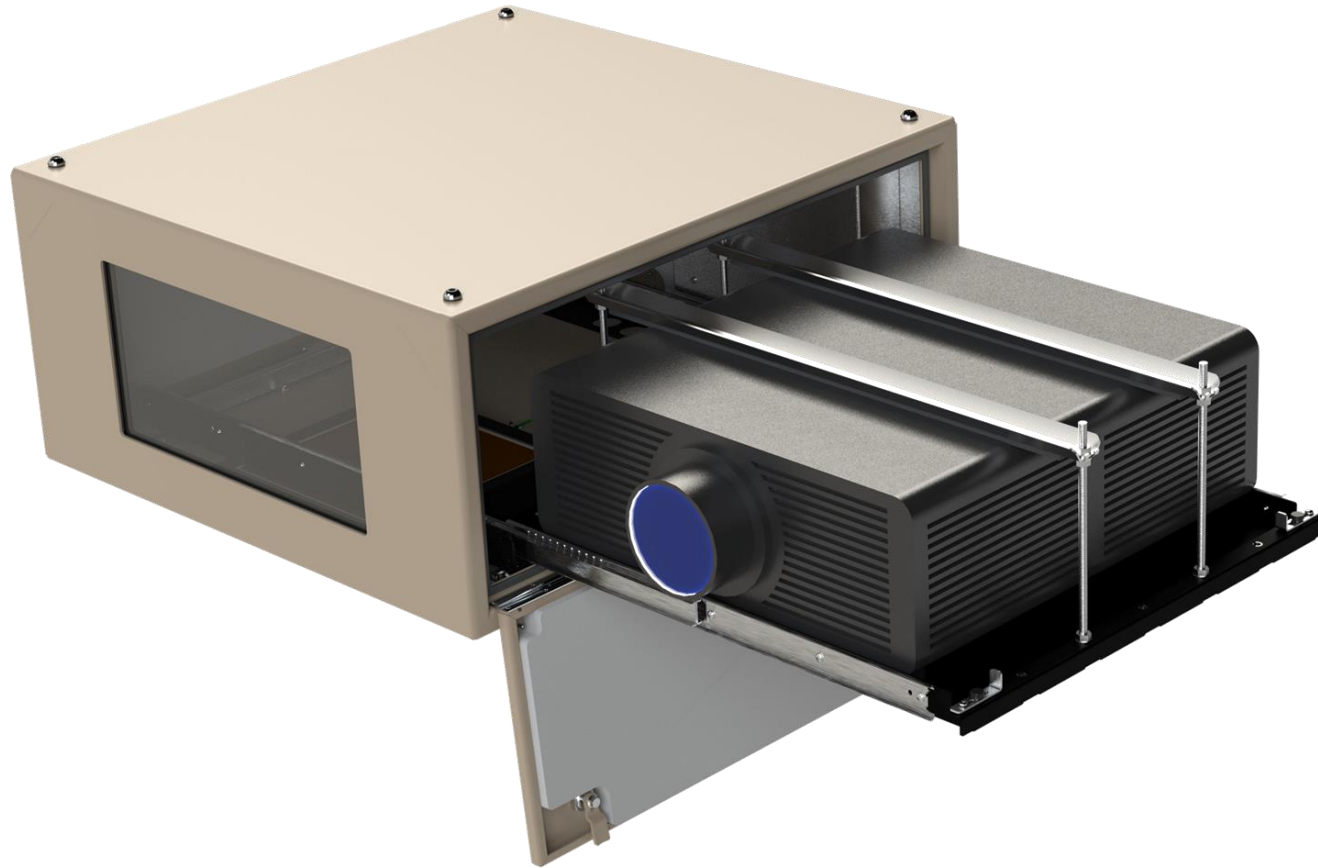




Breeze

Outdoor Projector Enclosures

- 4 Standard Sizes – 3–15,000 lumen
- 2 Specials:
 - Epson EB-PU10xx
 - Epson EB-PU22xx
- Landscape only
- Environmental: 0-40°C



Blizzard

Outdoor Projector Enclosures

- 4 Sizes – 5–15,000 lumen projectors
- 3 Formats:
 - Landscape
 - Portrait
 - Ultra-Short-Throw
- Projector Mount: Fixed or Slide
- Salt Fog Filtering
- Ethernet or RS485 Monitoring
- Many Rigging Accessories

Blizzard Rigging Options

*Any
Projector.
Anywhere.
Anyhow!*

Drop Arms



*Vertical Pole
Mount (.050 &
.100 Models)*



*Horizontal
Pole/Truss
Mount*



Stacking Kit



Cyclovator



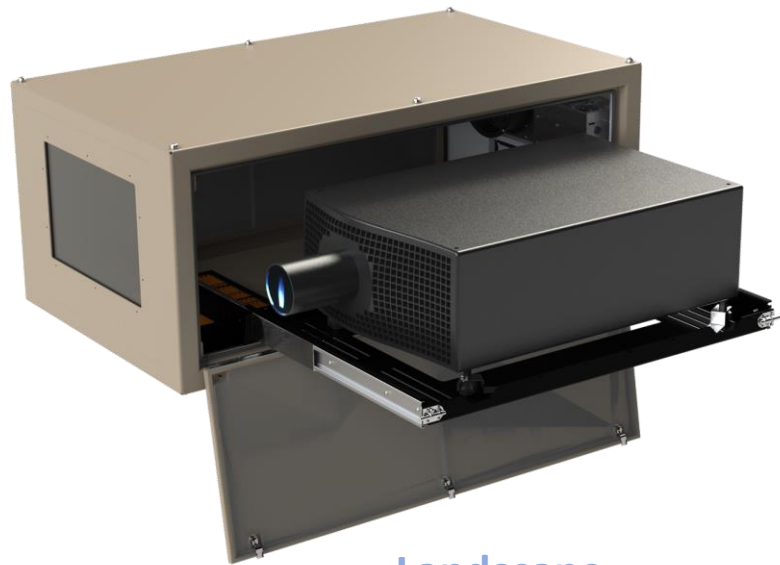
Blizzard

Outdoor Projector Enclosures

- 4 Sizes – 5–15,000 lumen projectors
- 3 Formats:
 - Landscape
 - Portrait
 - Ultra-Short-Throw
- Projector Mount: Fixed or Slide
- Salt Fog Filtering
- Ethernet or RS485 Monitoring
- Many Rigging Accessories

OUTDOOR





Landscape

Portrait



Any UST Format



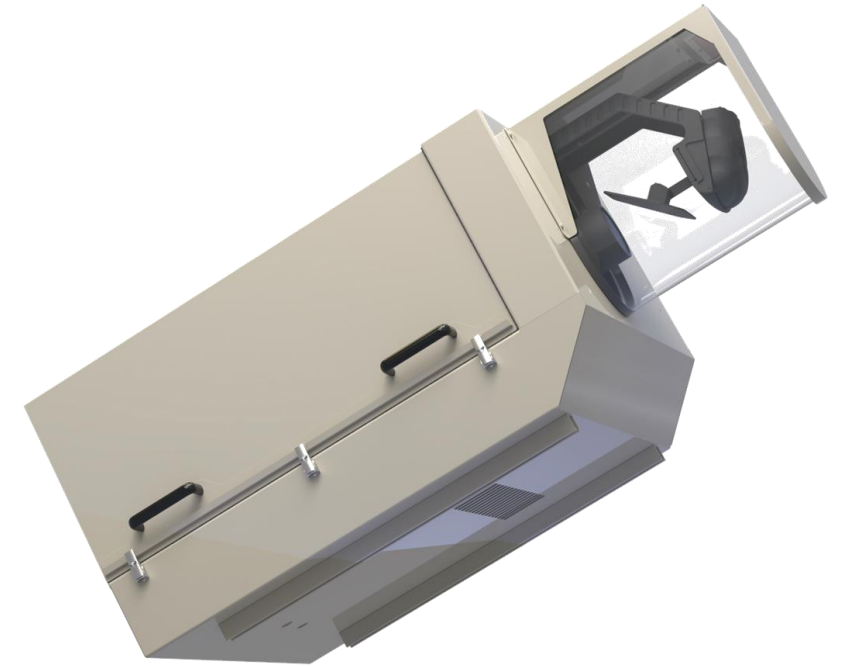
Cyclone

Outdoor Projector Enclosures

- Projector-specific, up to 50,000 lumens
- Landscape, Portrait, UST
- Left or Right Projector Slide
- Salt Fog Filtering
- Ethernet or RS485 Monitoring
- Many Custom Options

Cyclovator

- Tilt up or down up to 60°
- Positive lock at show angle
- Return to horizontal for safe service access
- Works with any Cyclone or Blizzard enclosure



Customization

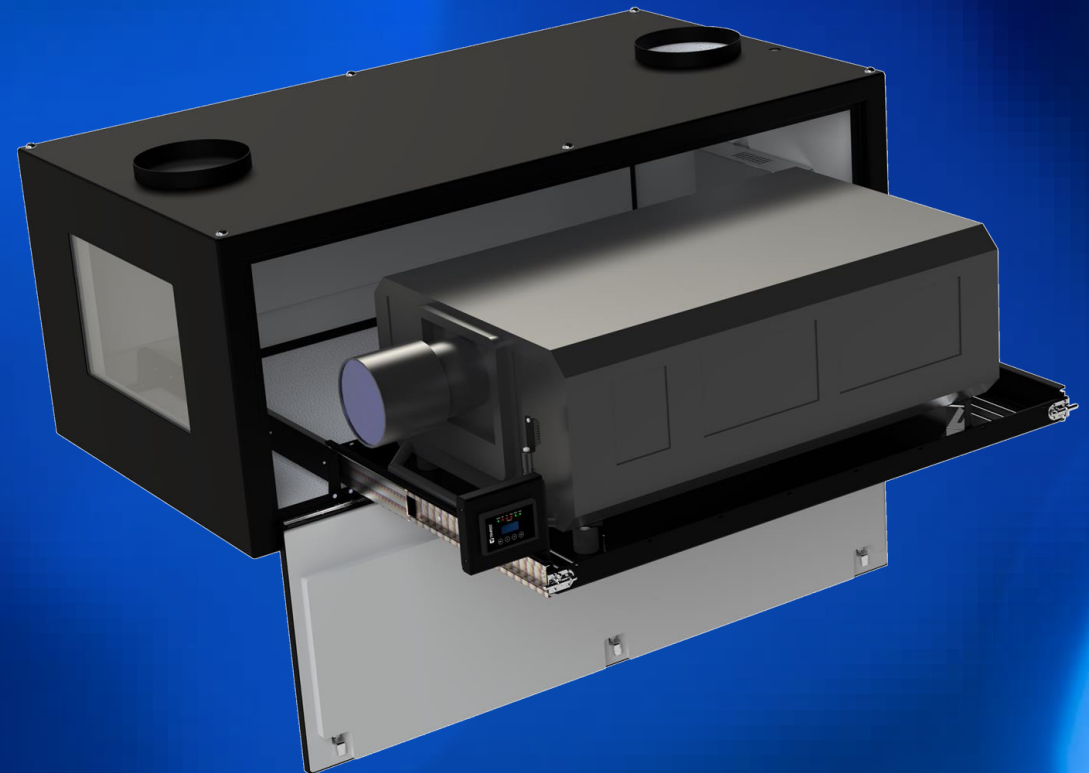
- Endless possibilities!
- We've done most of them
- ...but we can still be surprised!

阿蘇カルデラが
街にやってきた。

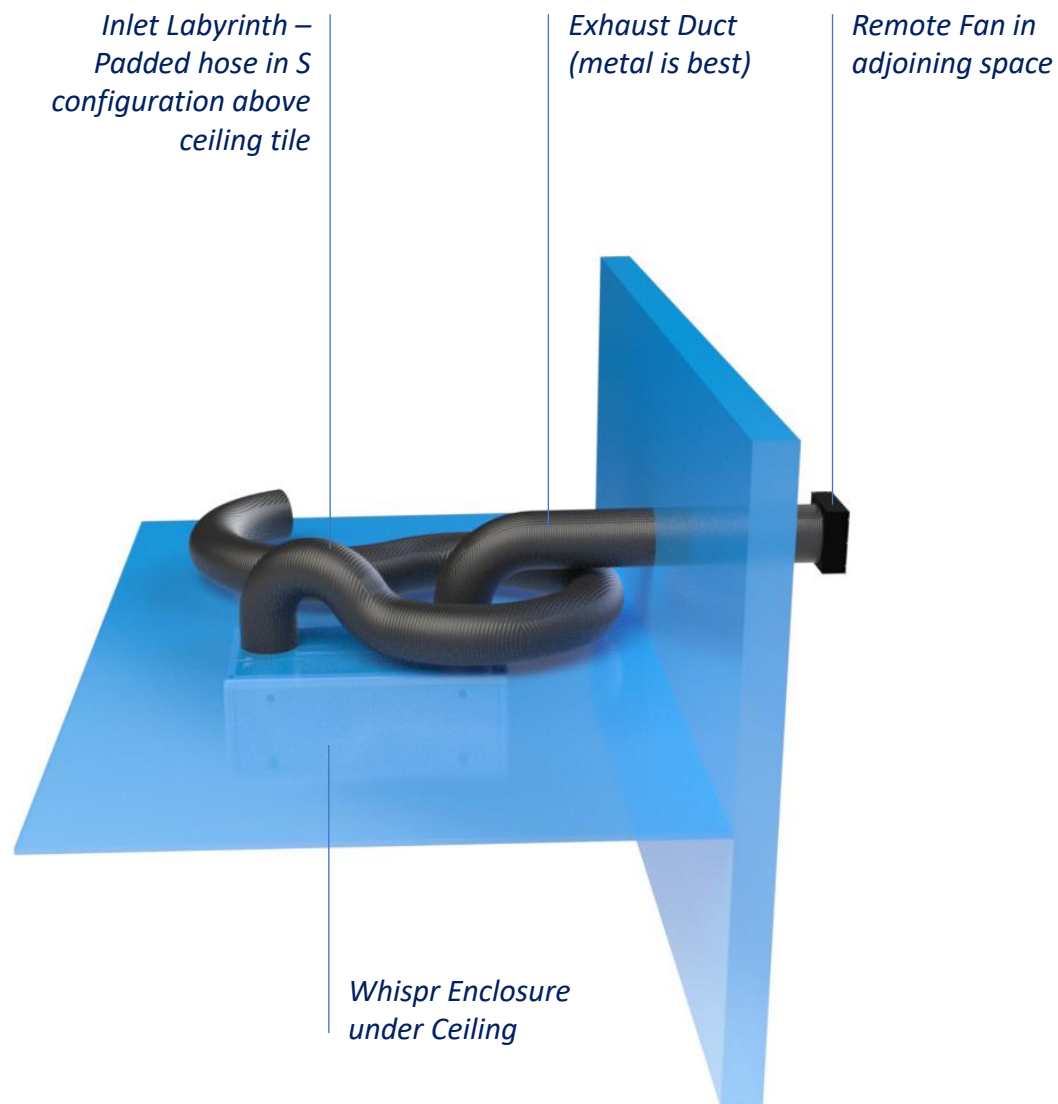


Indoor Projector Enclosures

- Noise Attenuation
 - Ducted (Tacit, Whispr)
 - Typical 25dBA Attenuation
 - Up to 30dBA Attenuation
 - Ductless (Zen)
 - Typical 22dBA Attenuation
 - Up to 25dBA Attenuation
- Environmental
 - Dust Filtering
 - Optional - Oil Filtering (theme parks, shows)
- Options
 - Remote Monitoring (Tacit, Zen)
 - Portrait, UST (Tacit, Whispr)
 - Custom Options



Whispr – Typical Installation



Whispr

Projector Hush Enclosures

- 4 Sizes – 5–15,000 lumen projectors
- 3 Formats:
 - Landscape
 - Portrait
 - Ultra-Short-Throw
- 25-28dBA Attenuation
- Remote Fans for best acoustics
- Live Theatre, Education, Meeting Rooms



*New, high-performance
3-speed remote blower*

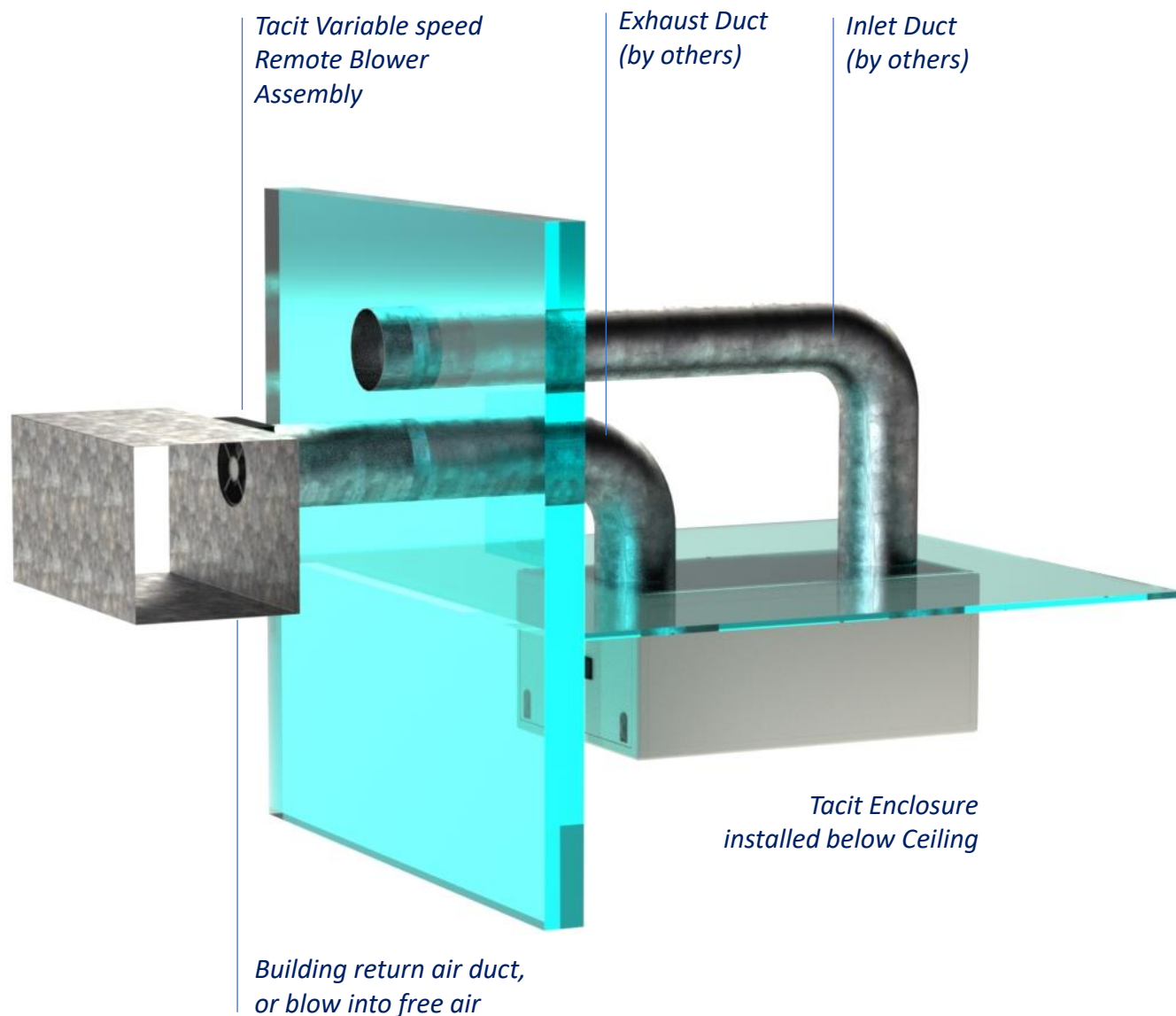


Whispr

Projector Hush Enclosures

- 4 Sizes – 5–15,000 lumen projectors
- 3 Formats:
 - Landscape
 - Portrait
 - Ultra-Short-Throw
- Up to 28dBA Attenuation
- Simple thermostat control
- Remote Fans for best acoustics
- Live Theatre, Education, Meeting Rooms

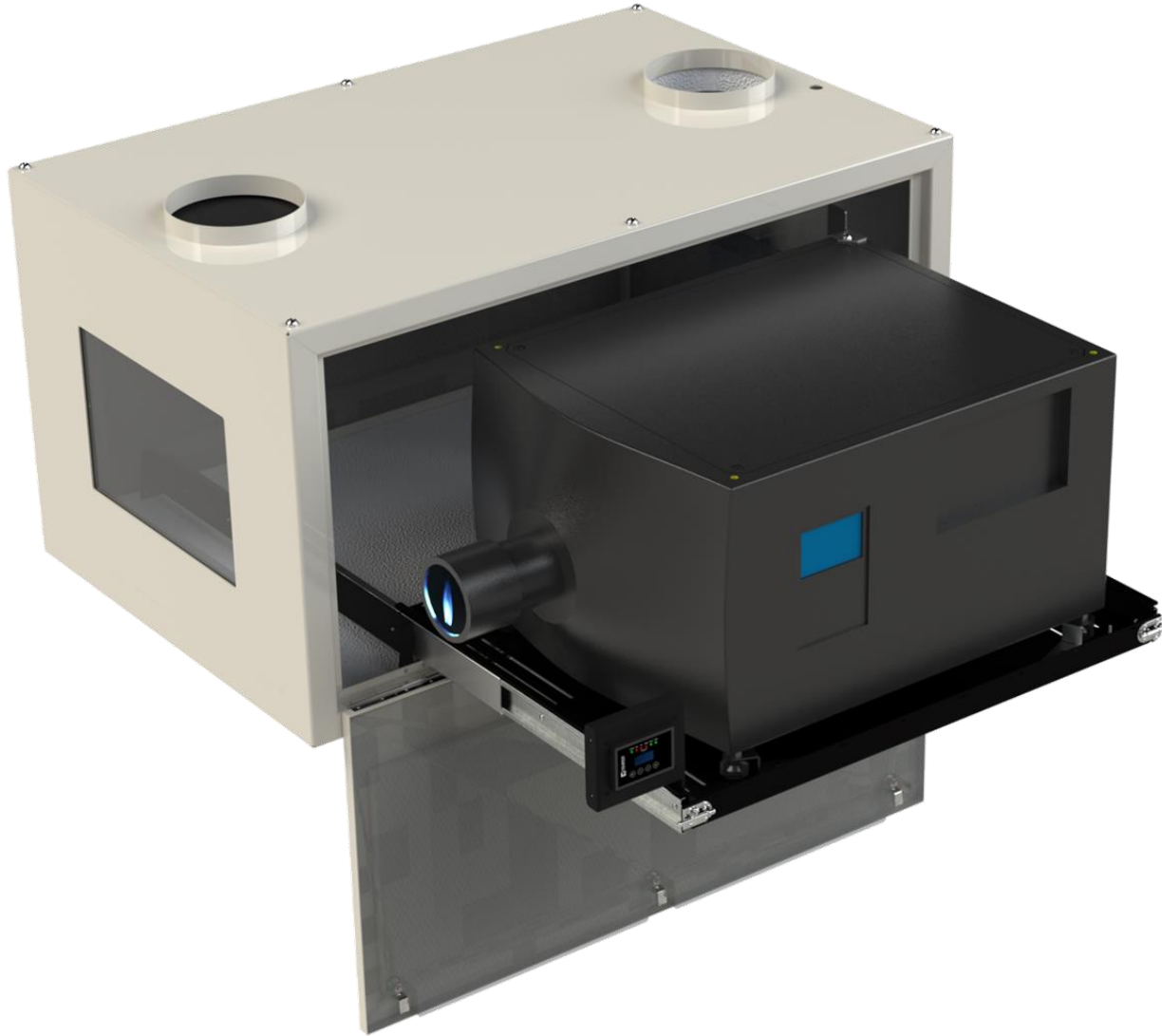
Tacit – Typical Installation



Tacit

Projector Hush Enclosures

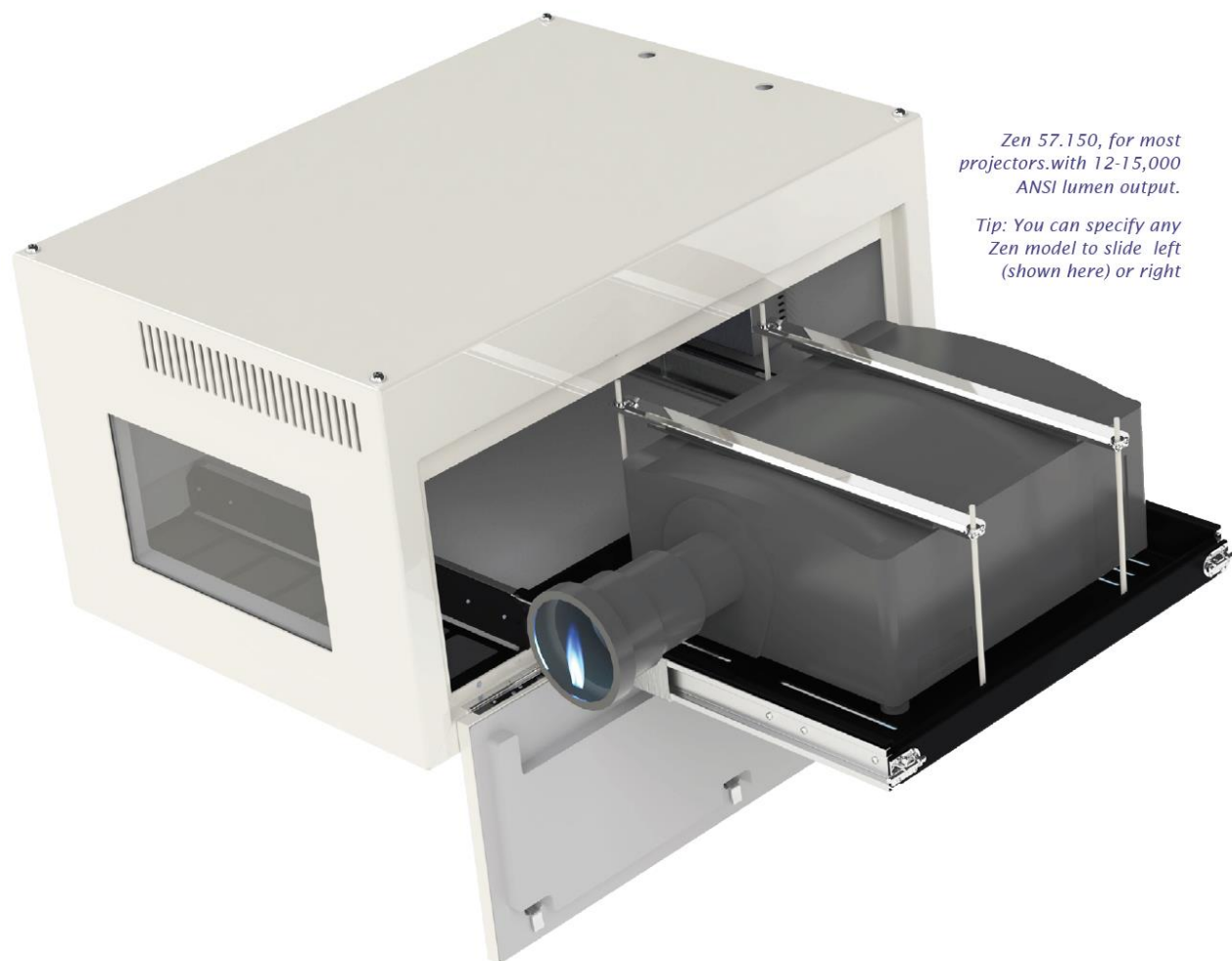
- Projector-Specific, up to 50k lumens
- Landscape, Portrait, UST, Custom
- Up to 30dBA attenuation
- Variable speed Remote Exhaust for best acoustics
- Live Theatre, Education, Meeting Rooms, Theme Park Rides



Tacit

Projector Hush Enclosures

- NEW – Tacit 050-150, for any projector 5-15k lumens
- Projector-Specific, 20-50k lumens
- Landscape, Portrait, UST, Custom
- Up to 30dBA attenuation
- Remote Fans for best acoustics
- Live Theatre, Education, Meeting Rooms, Theme Park Rides



*Zen 57.150, for most
projectors with 12-15,000
ANSI lumen output.*

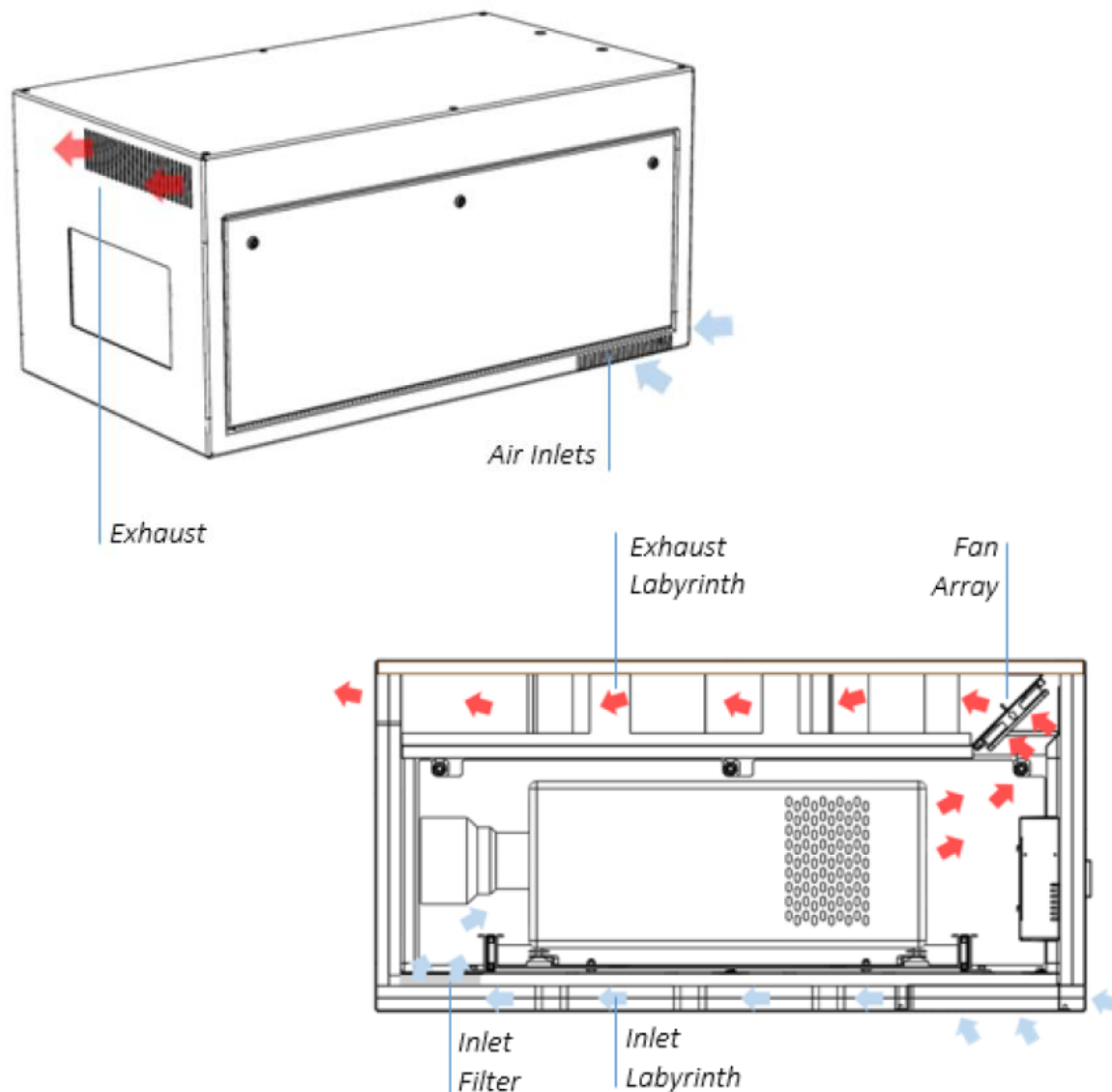
*Tip: You can specify any
Zen model to slide left
(shown here) or right*

Zen

Projector Hush Enclosures

- Landscape Only
- 5 – 40k Lumens
- Up to 25dBA attenuation
- All-in-one – no ductwork
- Variable speed integral cooling fans
- Live Theatre, Concert Halls, Museums

Integral Cooling – no ductwork.
Ideal for Historic buildings



Zen

Projector Hush Enclosures

- Landscape Only
- 5 – 40k Lumens
- Up to 25dBA attenuation
- All-in-one – no ductwork
- Variable speed integral cooling fans
- Live Theatre, Concert Halls, Museums

Typhoon Rental Enclosures

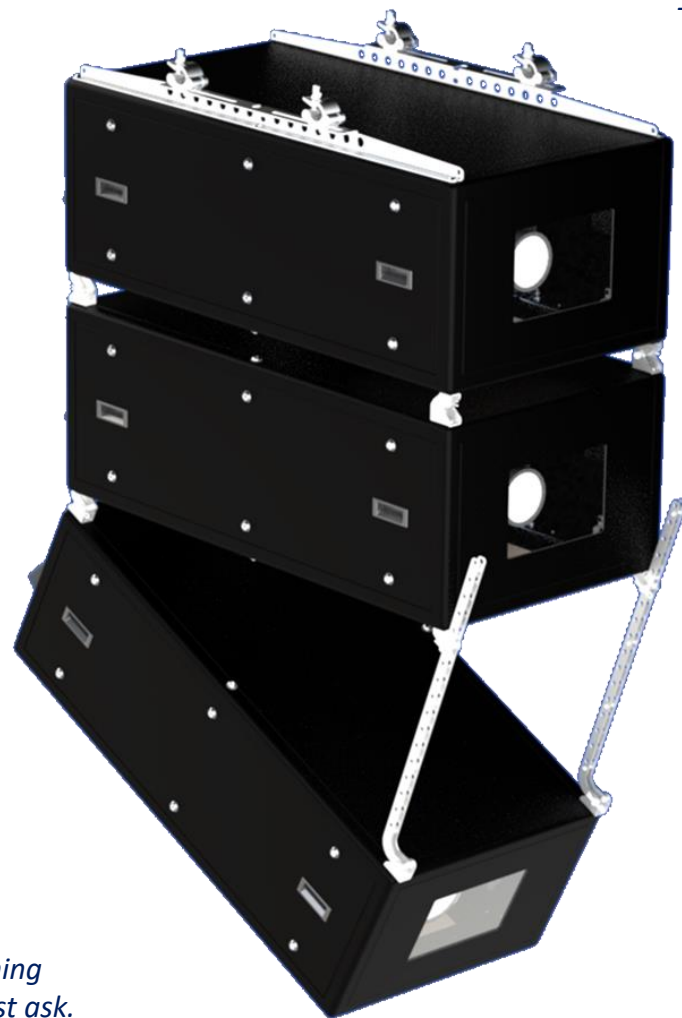
- Environmental
 - Weather Protection: -25 to +40°
 - Rain @ 45 degrees
 - Ice
 - Salt Air (beach resorts, cruise ships)
 - Oil Fog
 - Windblown Dust
 - Humidity (up to 95%)
 - Typical IP54 (NEMA 3R)
- Options
 - Fully customizable connector panel
 - Remote monitoring (RS485 or Ethernet)
 - Many Rigging Options
 - Many Custom Options



Typhoon Rigging Options



*Quick-Install
Stacking Kit*



*Truss Adapters –
12-24" Truss*

*Adjustable
Drop Arms*

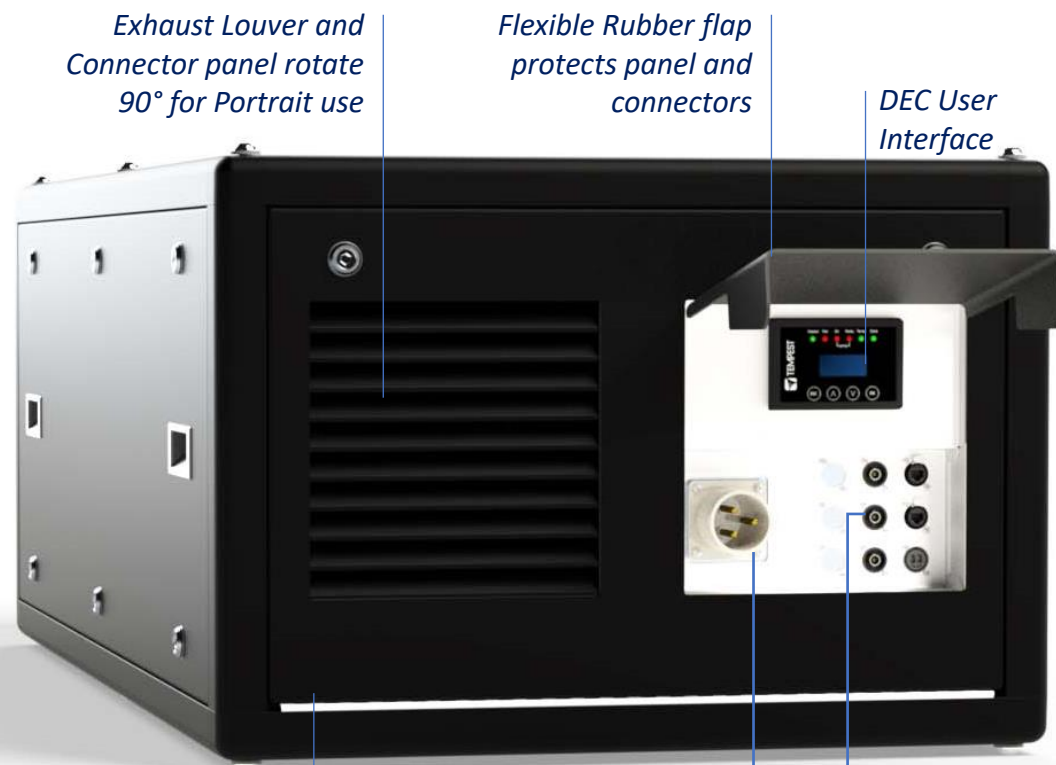
*Need something
Different? Just ask.*

Typhoon

Rental & Staging Projector Enclosures

- Versions for all popular 15-30K Projectors
- Any Orientation
- Many Rigging Options
- Front or Back Projector Slide
- Salt Fog/Oil Filtering
- Ethernet or RS485 Monitoring
- Custom Connector panel to suit rental cabling

Typhoon Custom Connector Panel



Exhaust Louver and Connector panel rotate 90° for Portrait use

Flexible Rubber flap protects panel and connectors

DEC User Interface

Back Door opens for lamp access

*Power Inlet Options:
NEMA 20A/30A
IEC309 16A/32A
IEC C19
IEC320 C14 Aux Power*

*Signal Connectors:
Up to 9 Neutrik pass-throughs:*

- Ethercon
- OpticalCon
- BNC
- HDMI
- XLR
- Up to 2 DVI

Typhoon

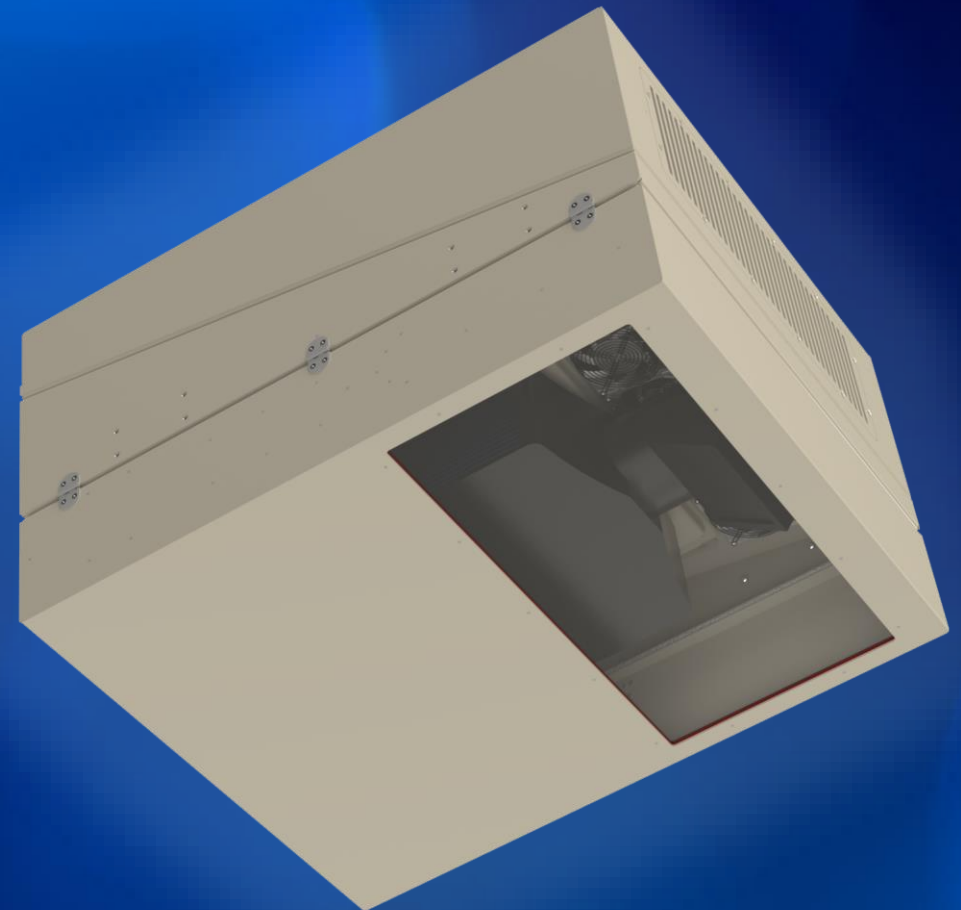
Rental & Staging Projector Enclosures

- Versions for all popular 15-30K Projectors
- Any Orientation
- Many Rigging Options
- Front or Back Projector Slide
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- Ethernet or RS485 Monitoring
- Custom Connector panel to suit rental cabling

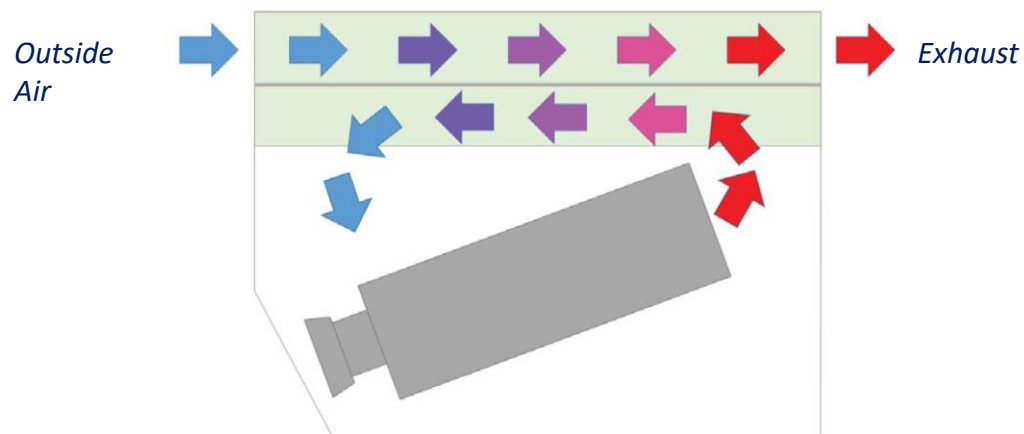
Metro Fire-Safe Enclosures

- Applications
 - Subway systems – Advertising
 - Underground Public Spaces
- Environmental
 - 1-hour Fire rating
 - Sealed Counterflow Heat-exchanger
- Options
 - Landscape or UST
 - Any projector
 - Remote monitoring (RS485 or Ethernet)
 - Many Custom Options

Metro enclosures are typically custom-designed for each application project.

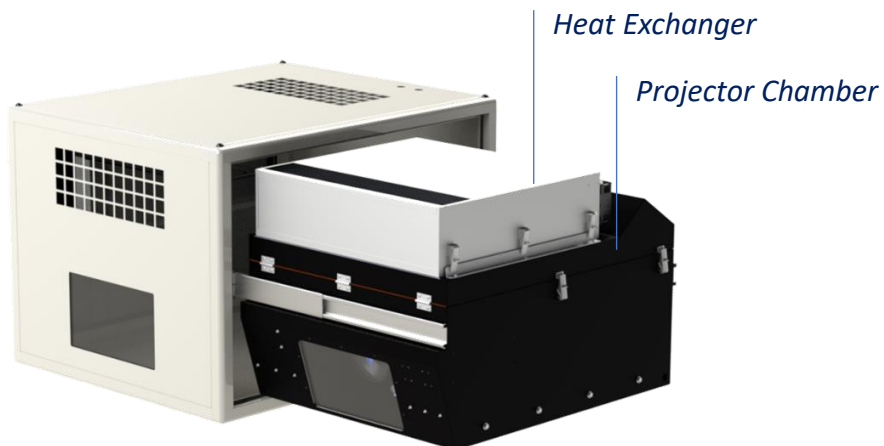


Metro – Sealed Cooling for Safety-Critical Environments



*IP65 Projector Chamber:
projector exhaust air
continuously cooled and
recirculated.*

Better than 5°ΔT

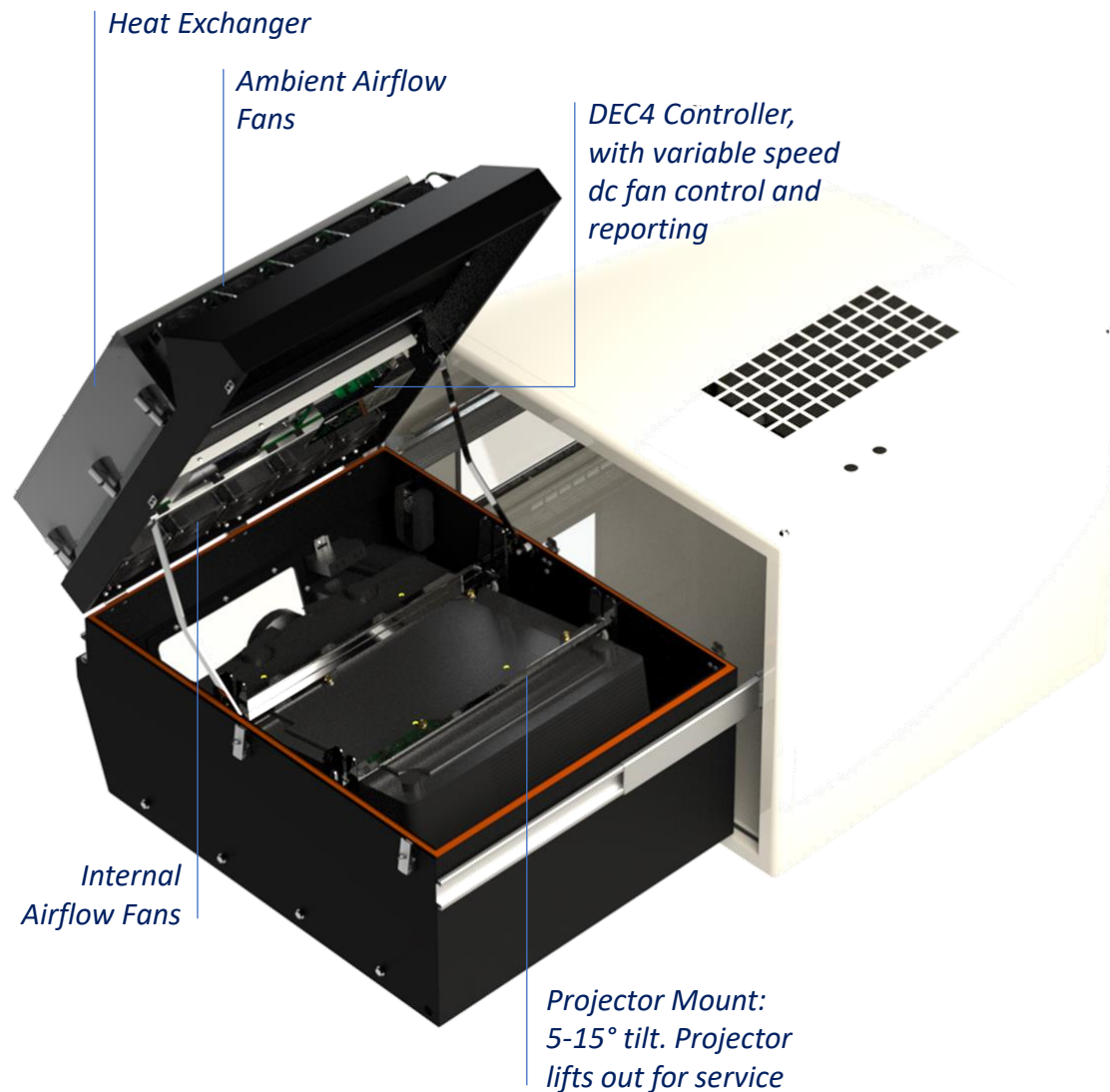


Metro

For Safety-Critical Public Spaces

- Subway Systems
- Underground Public Spaces
- Sealed Cooling
- 1-hour Fire Rating
- Counterflow Heat-exchanger Technology
- Custom – for larger systems

Metro Enclosures may be customized for any projector up to 25K lumens, and to meet regulatory requirements in various jurisdictions



Metro

For Safety-Critical Public Spaces

- Subway Systems
- Underground Public Spaces
- Sealed Cooling
- 1-hour Fire Rating
- Counterflow Heat-exchanger Technology
- Custom – for larger systems

A photograph of the Hogwarts Castle at Universal Studios, Hollywood, at night. The castle is illuminated with blue and white lights, and several large, ornate light projections are visible on its facade. The projections include a large figure of a wizard (likely Dumbledore) on the left, a large figure of a wizard (likely Voldemort) on the right, and a large figure of a wizard (likely Sirius Black) in the center. The castle's architecture is highly detailed, with many spires and turrets. The background is dark, suggesting a night sky.

Hogwarts Castle, Universal Studios, Hollywood

- 2018
- 28 Cyclone enclosures for Christie Boxers
- 24 Tornado moving light enclosures



Night Parade, Universal Studios Japan

- 2017
- 51 Cyclone enclosures for Christie Boxers



Magic Castle, Disney World

- 2013
- 16 Cyclone enclosures for Christie Roadsters

Animal Kingdom, Disney World

- 2016
- 8 Typhoon enclosures for Christie Boxers
- 27 Tornado lighting enclosures



Sakuya Lumina, Osaka, Japan

- 2019
- 8 Cyclone & Blizzard Enclosures for Panasonic projectors



Siloso Beach, Singapore

- 2019
- 12 Cyclone & Blizzard Enclosures for Panasonic projectors
- 16 Tornado lighting enclosures

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- Manuals
- CAD Drawings
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