



GENERAL INFORMATION

The Irideon FPZ is an LED framing projector with zoom optics that provides the highest quality beam, making it ideal for museums, lobbied, retail stores and more. A range of color temperature options from 3000K to 5000K make the FPZ well suited for any application, while track, canopy and portable mounting options provide the flexibility to meet any installation needs. The superior quality zoom optics paired with three-plane shutters and a rotating barrel enable the FPZ to create a sharp or soft focused light in any shape you need. And when used with either glass or metal gobos, logos and designs look sharp and distinctive.

APPLICATIONS

- Museums
- Retail stores
- Restaurants
- Hospitality/Lobbies
- Theatres

FEATURES

- Rugged fixture body
- 25-50 degree zoom optics
- Uniquely efficient optical system
- Three-plane shutters
- Built-in intensity trim with DMX, DALI or 0-10V control
- Dimming to less than 1% of maximum output
- Available in black, white and silver
 - Custom paint colors available; contact ETC

ORDERING INFORMATION

IRFPZ - 30 / 80 - 120 C X - 1

Irideon FPZ Series: IRFPZ _____

Color Temperature: 30 = 3000K, 40 = 4000K, 50 = 5000K _____

CRI: 80 = Standard, 90 = Gallery (3000K only) _____

Voltage: 120V or 230V _____

Mounting Style: T = Track, P = Portable, C = Canopy _____

Control (Canopy only): X = DMX, D = DALI, 010 = 0-10V _____

Color: Blank = Black, -1 = White, -5 = Silver, -8 = Custom Color _____



SPECIFICATIONS

PHYSICAL

- A380 grade, die-cast aluminum construction
- Finished in fine-texture, high-temperature, powder-coat paint
- Durable steel yoke
- Tool-free tilt and beam adjustment
- Locking, A301 grade stainless steel, full hard shutters in a tri-plane assembly, 0.40mm
 - Rotating shutter assembly support $\pm 175^\circ$ rotation
- Captive accessory slot for E-size pattern holder (included)
 - 37.5mm with a 25.4mm image area
- High-impact resistant, thermally insulated knobs and shutter handles
- Magnetically held media holder accepts gel and dichroics up to 1.75mm thick
- IP20 rated
- Track mount version:
 - Compatible with two-circuit ETC DataTrack (120V versions)
 - Compatible with three-circuit Eutrac with data (230V versions)
 - Color-matched track adapter with fully integrated driver
 - DMX control with integrated manual dimmer/ high-end trim adjustment
- Portable version:
 - Color-matched c-clamp supports up to 2" OD pipe
 - 6' power cable with NEMA 5-15P connector
 - DMX in and thru via RJ45 connections driver enclosure
 - DMX control with integrated manual dimmer/ high-end trim adjustment
- Canopy version:
 - Color-matched canopy fully enclose driver and control electronics
 - Control options for DMX with on-board manual dimmer/ high end trim, 0-10V or DALI
 - DMX version ships with required voltage barrier and termination kit

SOURCE

- Cree® XLamp® MT-G2 EasyWhite LED
 - 3000K: 80+ CRI
 - 3000K Gallery: 90+ CRI
 - 4000K: 80+ CRI
 - 5000K: 80+ CRI
- 35,000 hours L70 lumen maintenance

OPTICAL

- 25-50 degree zoom optics (beam-angle)
- Projector-quality, high-contrast lenses
- Beam edge is continually adjustable hard to soft

SPECIFICATIONS

ELECTRICAL

- Power consumption at full intensity: 20W typical, 24W max
- Compliant with ANSI DMX and Remote Device Management (RDM) standards
 - ANSI E1.11-2008
 - ANSI E1.20-2010
- Power input options:

	100-120VAC	100-277VAC	230-240VAC
Portable	X		X
Track	X		X
Canopy - DMX		X	
Canopy - 0-10V		X	
Canopy - DALI		X	

- Inrush (first half-cycle) with DMX control
 - 120V: 11A
 - 240V: 24A
 - 277V: 28A
- Inrush (first half-cycle) with-10V or DALI control
 - 120V: 2A
 - 240V: 5A
 - 277V: 6A

THERMAL

- Ambient operating temperature range:
- 0°C to 40°C (32°F to 104°F)

REGULATORY

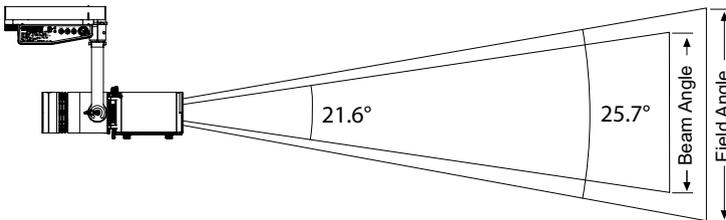
- ETL listed to the following standards:
 - Track mount: UL/cUL1574 and CAN/CSA C22.2 No. 9.0
 - Portable: UL/cUL153
 - Canopy: UL1598 and CSA22.2 No. 250.0
- CE Marked (230V version only)

PHOTOMETRY

Narrow Focus

Mode	Focus	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
3000K / 90 CRI	Narrow	6,785	700	564	20	35.0
3000K / 80 CRI	Narrow	7,543	808	665	20	40.4
4000K / 80 CRI	Narrow	8,964	957	783	20	47.9
5000K / 80 CRI	Narrow	9,117	929	688	20	46.5

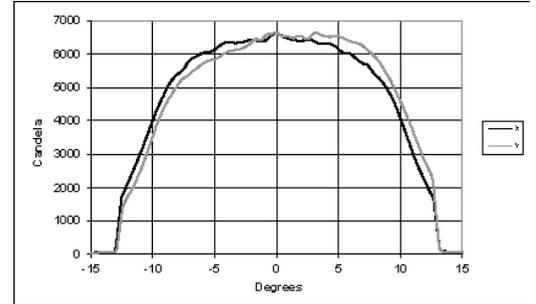
Metric conversions: For meters, multiply feet by 0.3048
For lux, multiply footcandles by 10.76



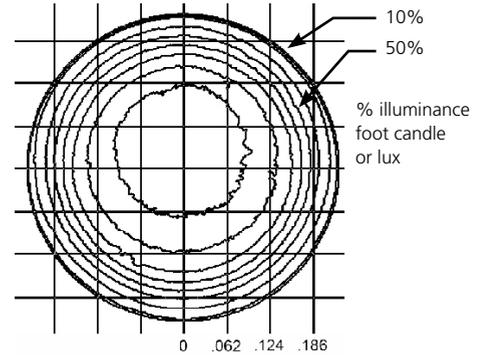
Throw Distance (d)	10ft	15ft	20ft	30ft	86.9ft
	3.0m	4.6m	6.1m	9.1m	26.5m
Field Diameter	4.6ft	6.8ft	9.1ft	13.7ft	-
	1.4m	2.1m	2.8m	4.2m	-
Illuminance (fc)	75	34	19	8	1
Illuminance (lux)	812	361	203	90	10.76

For field diameter at any distance, multiply distance by 0.456
For beam diameter at any distance, multiply by 0.382

Candela Plot



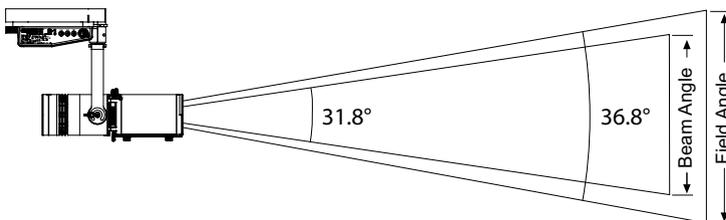
Iso-Illuminance Diagram (Flat Surface Distribution)



Mid Focus

Mode	Focus	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
3000K / 90 CRI	Mid	3,487	721	566	20	36.1
3000K / 80 CRI	Mid	3,915	836	669	20	41.8
4000K / 80 CRI	Mid	4,658	988	788	20	49.4
5000K / 80 CRI	Mid	4,619	964	766	20	48.2

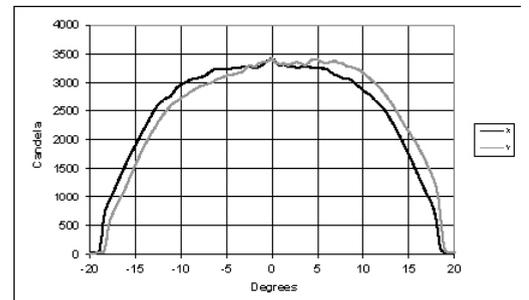
Metric Conversions: For meters, multiply feet by 0.3048
For lux, multiply footcandles by 10.76



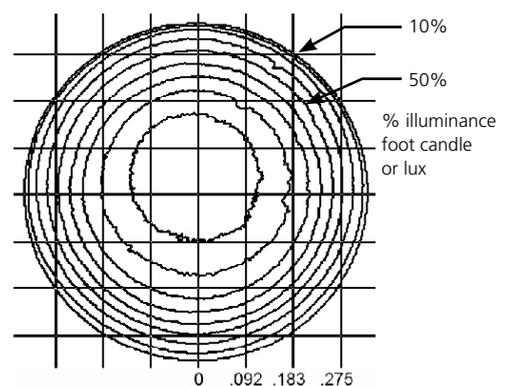
Throw Distance (d)	10ft	15ft	20ft	30ft	62.6ft
	3.0m	4.6m	6.1m	9.1m	19.1m
Field Diameter	6.7ft	10.0ft	13.3ft	20.0ft	-
	2.0m	3.0m	4.1m	6.1m	-
Illuminance (fc)	39	17	10	4	1
Illuminance (lux)	421	187	105	47	10.76

For field diameter at any distance, multiply distance by 0.665
For beam diameter at any distance, multiply by 0.570

Candela Plot



Iso-Illuminance Diagram (Flat Surface Distribution)

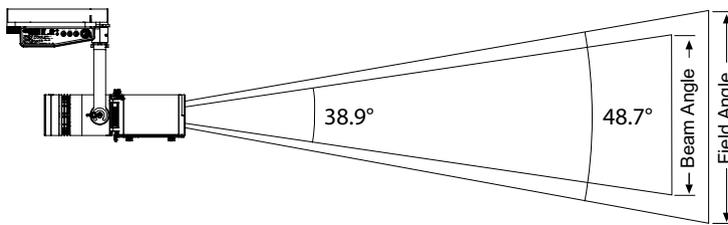


PHOTOMETRY

Wide Focus

Mode	Focus	Candela	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
3000K / 90 CRI	Wide	2,184	682	511	20	34.1
3000K / 80 CRI	Wide	2,413	786	596	20	39.3
4000K / 80 CRI	Wide	2,797	923	691	20	46.2
5000K / 80 CRI	Wide	2,753	904	678	20	45.2

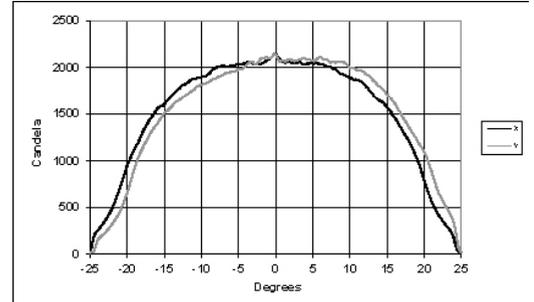
Metric conversions: For meters, multiply feet by 0.3048
For lux, multiply footcandles by 10.76



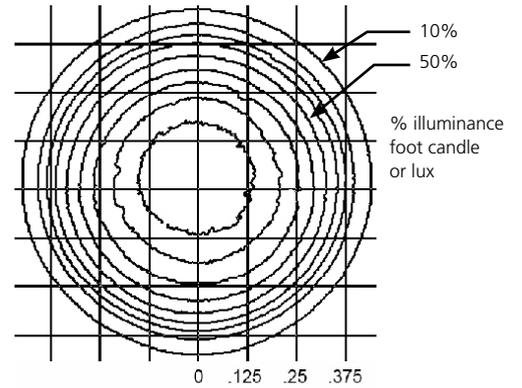
Throw Distance (d)	10ft	15ft	20ft	30ft	49.1ft
	3.0m	4.6m	6.1m	9.1m	15.0m
Field Diameter	9.1ft	13.6ft	18.1ft	27.2ft	-
	2.8m	4.1m	5.5m	8.3m	-
Illuminance (fc)	24	11	6	3	1
Illuminance (lux)	260	115	65	29	10.76

For field diameter at any distance, multiply distance by 0.905
For beam diameter at any distance, multiply by 0.706

Candela Plot



Iso-Illuminance Diagram
(Flat Surface Distribution)



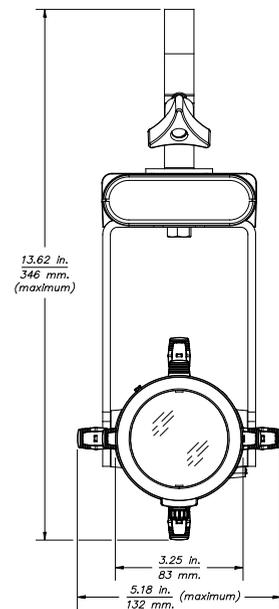
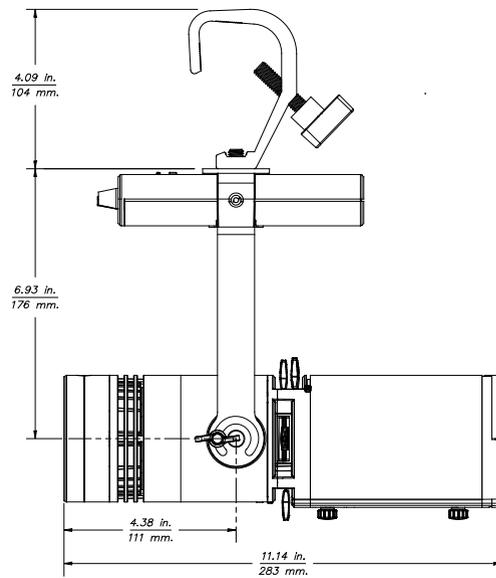
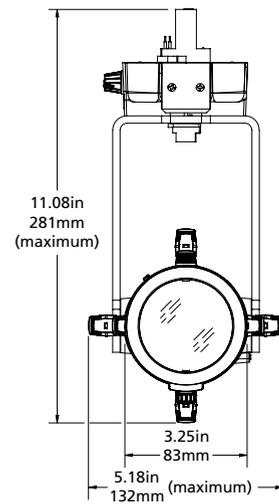
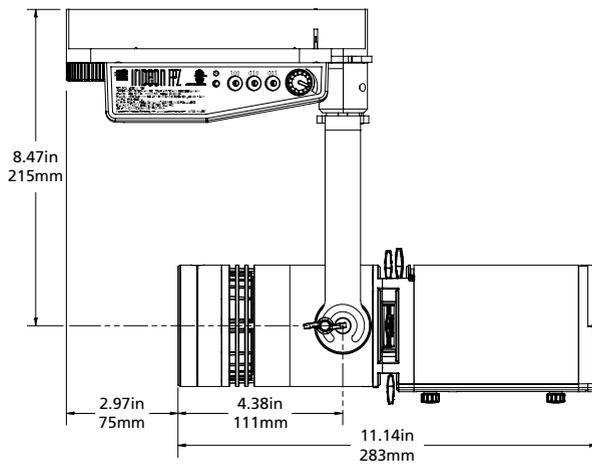
PHYSICAL

FPZ Dimensions

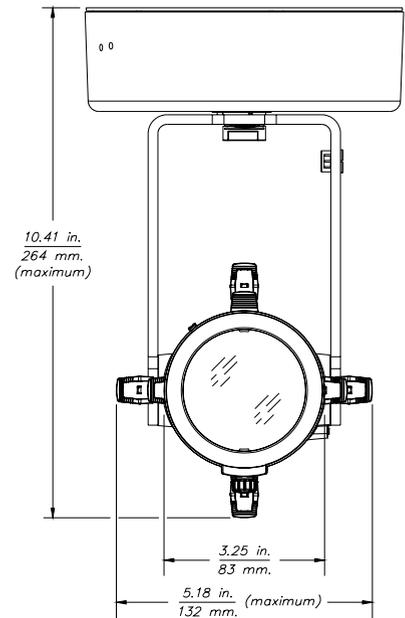
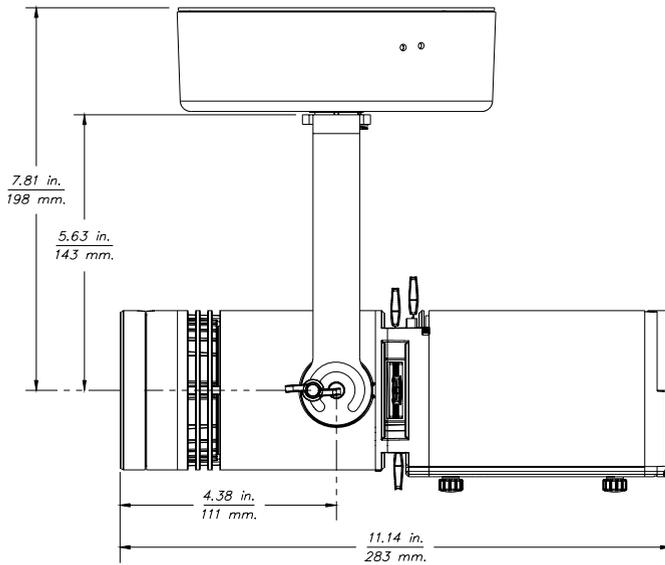
	HEIGHT		WIDTH		DEPTH	
	in	mm	in	mm	in	mm
Track Mount	11.08	281	5.18	132	14.11	358
Portable	13.62	346	5.18	132	11.14	283
Canopy	10.41	264	5.18	132	11.14	283

FPZ Weights

	WEIGHT		SHIPPING WEIGHT	
	lbs.	kgs	lbs	kgs
Track Mount	4.25	1.93	6.25	2.83
Portable	5.62	2.55	7.41	3.36
Canopy	5.70	2.58	8.11	3.68



PHYSICAL



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