



## GENERAL INFORMATION

The Irideon FPZ builds on the beauty and punch of the Source Four® beam and puts it into a fixture designed to work in any architectural environment. With built-in zoom optics, three-plane shutters and a rotating barrel, the FPZ can 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.

With the addition of local level control as well as individual DMX addressing, the Irideon FPZ can do it all, and look great while doing it.

### VENUES

- Museums
- Retail stores
- Restaurants
- Lobbies
- Theatres

### FEATURES

- Rugged, die-cast fixture body
- Built-in zoom optics (25-50 degrees)
- Uniquely efficient optical system
- Long-life dimmable white LED sources
- Three-plane shutters
- Integrated media holder
- Built-in intensity trim and DMX control
- Dimming to less than 1% of maximum output
- Available in black, white and silver grey
  - Custom paint colours available; contact ETC

### GENERAL

- CE compliant and IP20 rated

## ORDERING INFORMATION

PART NO.	DESCRIPTION
7191A1231	Irideon FPZ, Trackmount, 25°-50°, black 3000K, 80+ CRI
7191A1221	Irideon FPZ Gallery, Trackmount, 25°-50°, black 3000K, 90+ CRI
7191A1241	Irideon FPZ, Trackmount, 25°-50°, black 4000K, 80+ CRI
7191A1251	Irideon FPZ, Trackmount, 25°-50°, black 5000K, 80+ CRI
7191A1230	Irideon FPZ, Portable, 25°-50°, black, 3000K, 80+ CRI, Schuko/NF connector
7191A1220	Irideon FPZ Gallery, Portable, 25°-50°, black, 3000K, 90+ CRI, Schuko/NF connector
7191A1240	Irideon FPZ, Portable, 25°-50°, black, 4000K, 80+ CRI, Schuko/NF connector,
7191A1250	Irideon FPZ, Portable, 25°-50°, black, 5000K, 80+ CRI, Schuko/NF connector,
7191A1232	Irideon FPZ, Portable, 25°-50°, black, 3000K, 80+ CRI, UK 13A connector,
7191A1222	Irideon FPZ Gallery, Portable, 25°-50°, black, 3000K, 90+ CRI, UK 13A connector
7191A1242	Irideon FPZ, Portable, 25°-50°, black, 4000K, 80+ CRI, UK 13A connector
7191A1252	Irideon FPZ, Portable, 25°-50°, black, 5000K, 80+ CRI, UK 13A connector

NOTE: For white colour use extension -1, for silver grey -5.  
For custom colours please contact ETC.

## Irideon Series

## SPECIFICATIONS

## PHYSICAL

- Die-cast aluminium construction (A380 grade)
- Fine texture, high temperature powder-coated paint
- Steel yoke with 10.3mm diameter mounting hole
- Rotating shutter assembly  $\pm 175^\circ$
- E-size gobo pattern holder (included)
  - 37.5mm with a 25.4mm image area
- Four locking, stainless steel shutters in a tri-plane assembly, 0.40mm (A301 grade)
- Tool-free tilt and beam adjustment
- High-impact resistant, thermally insulated knobs and shutter handles
- Captive accessory slot for gobo pattern holder (included)
- Magnetically held media holder accepts gel and dichroics up to 1.75mm thick
- IP20 rated
- Track mount version:
  - Compatible with Eutrac three-circuit track w/data.
  - Colour matching track adapter
- Portable version:
  - DMX in and thru via RJ45 ports on driver box.
  - 1.8m power cable fitted with either UK13A or Schuko/NF connector
  - Colour matching driver box
- Canopy version:
  - Three control variants:
    - DMX with local control, DALI and 0-10V (DMX version ships with voltage barrier and termination kit)
  - Colour matching canopy box.
  - Fixture ships with US type  $\varnothing 102$ mm backbox included

## ELECTRICAL

- Power at full intensity: 20W typical
- Input voltage (Track mount and portable) 230V, 50/60Hz (Canopy) 100-277V (DMX); 120-277V (Other)
- Inrush current (first half-cycle) 24A

## SOURCE

- Cree LED
  - Irideon FPZ 3000K: 80+ CRI
  - Irideon FPZ 3000K Gallery: 90+ CRI
  - Irideon FPZ 4000K: 80+ CRI
  - Irideon FPZ 5000K: 80+ CRI
- Long-life LED: 35,000 hours L70 lumen maintenance

## OPTICAL

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

## THERMAL

- Ambient operating temperature range: 0°C to 40°C

## ORDERING INFORMATION, CONTINUED

PART NO.	DESCRIPTION
7191A1233	Irideon FPZ, Canopy, 25°-50°, DALI, black 3000K, 80+ CRI
7191A1223	Irideon FPZ Gallery, Canopy, 25°-50°, DALI, black 3000K, 90+ CRI
7191A1243	Irideon FPZ, Canopy, 25°-50°, DALI, black 4000K, 80+ CRI
7191A1253	Irideon FPZ, Canopy, 25°-50°, DALI, black 5000K, 80+ CRI
7191A1234	Irideon FPZ, Canopy, 25°-50°, 0-10V, black 3000K, 80+ CRI
7191A1224	Irideon FPZ Gallery, Canopy, 25°-50°, 0-10V, black 3000K, 90+ CRI
7191A1244	Irideon FPZ, Canopy, 25°-50°, 0-10V, black 4000K, 80+ CRI
7191A1254	Irideon FPZ, Canopy, 25°-50°, 0-10V, black 5000K, 80+ CRI
7191A1235	Irideon FPZ, Canopy, 25°-50°, DMX, black 3000K, 80+ CRI
7191A1225	Irideon FPZ Gallery, Canopy, 25°-50°, DMX, black 3000K, 90+ CRI
7191A1245	Irideon FPZ, Canopy, 25°-50°, DMX, black 4000K, 80+ CRI
7191A1255	Irideon FPZ, Canopy, 25°-50°, DMX, black 5000K, 80+ CRI

NOTE: For white colour use extension -1, for silver grey -5.  
For custom colours please contact ETC.

## Accessories

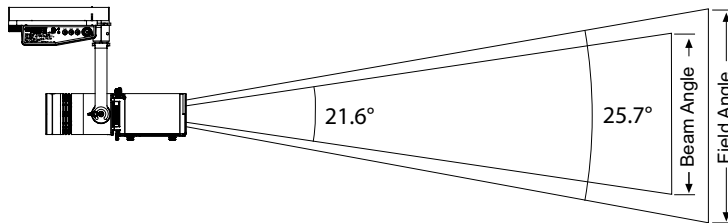
PART NO	DESCRIPTION
7191A2000	Irideon gobo holder size E, black (replacement)
7191A2000-1	Irideon gobo holder size E, white (replacement)
7191A2000-5	Irideon gobo holder size E, silver grey (replacement)

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

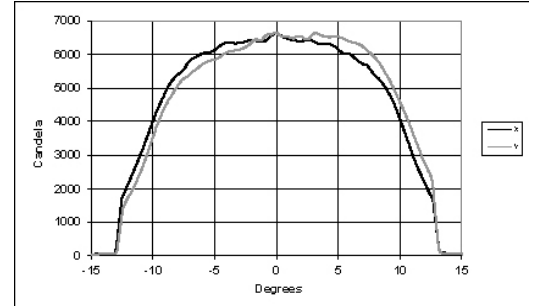
Metric conversions: For meters, multiply feet by 0.3048  
For lux, multiply footcandles by 10.76



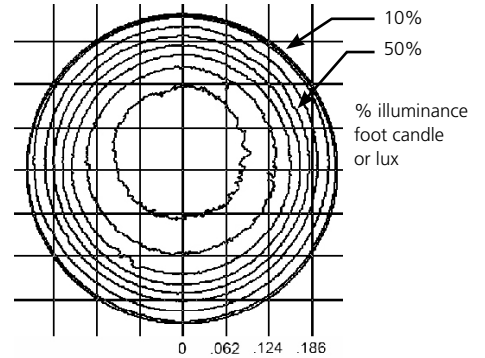
Throw Distance (d)	3.0m	4.6m	6.1m	9.1m
Field Diameter	1.4m	2.1m	2.8m	4.2m
Illuminance (fc)	75	34	19	8
Illuminance (lux)	812	361	203	90

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

Candela Plot



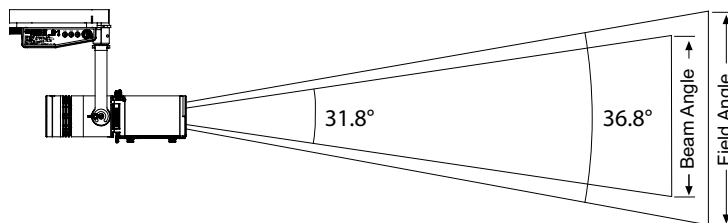
Iso-Illuminance Diagram (Flat Surface Distribution)



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

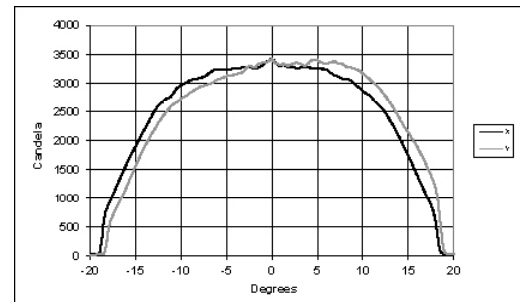
Metric Conversions: For meters, multiply feet by 0.3048  
For lux, multiply footcandles by 10.76



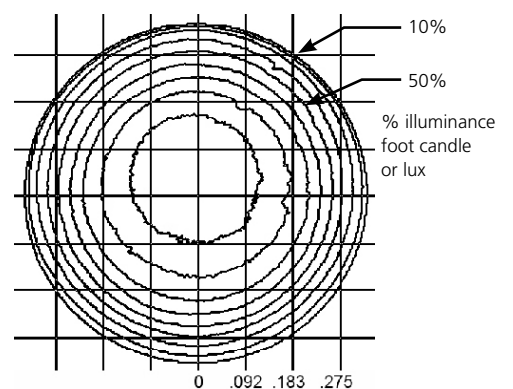
Throw Distance (d)	3.0m	4.6m	6.1m	9.1m
Field Diameter	2.0m	3.0m	4.1m	6.1m
Illuminance (fc)	39	17	10	4
Illuminance (lux)	421	187	105	47

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)

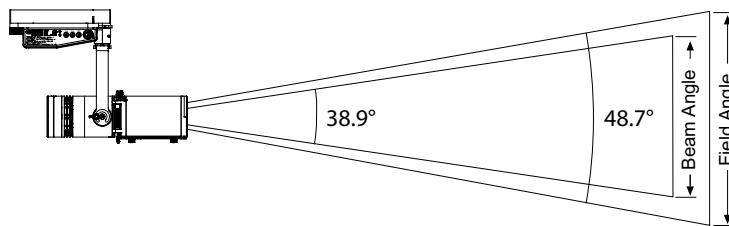


PHOTOMETRY

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

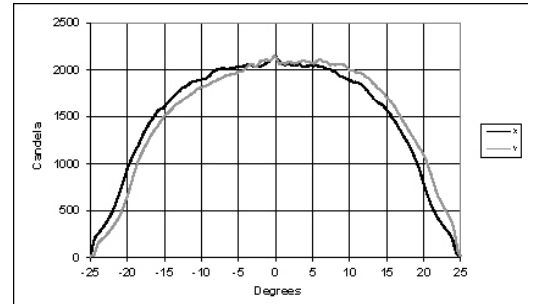
Metric conversions: For meters, multiply feet by 0.3048  
 For lux, multiply footcandles by 10.76



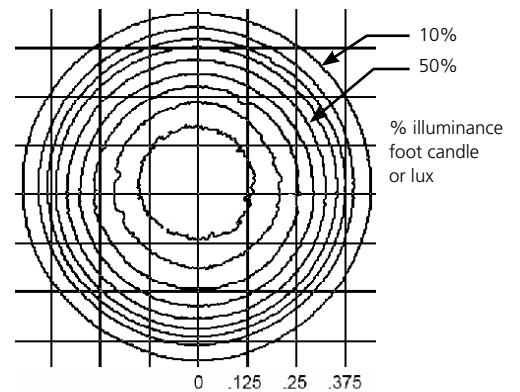
Throw Distance (d)	3.0m	4.6m	6.1m	9.1m
Field Diameter	2.8m	4.1m	5.5m	8.3m
Illuminance (fc)	24	11	6	3
Illuminance (lux)	260	115	65	29

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)



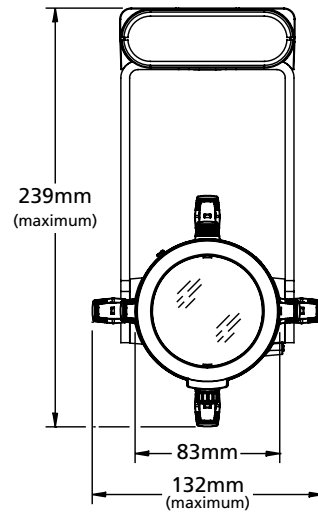
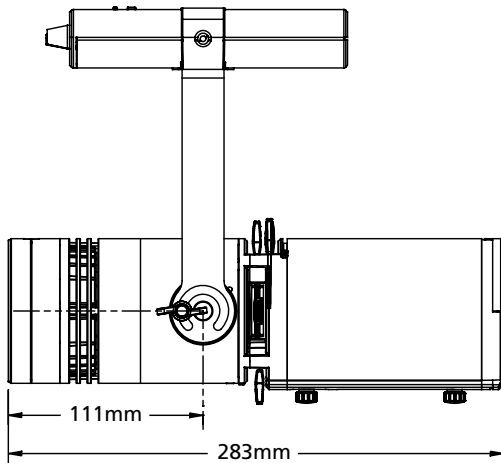
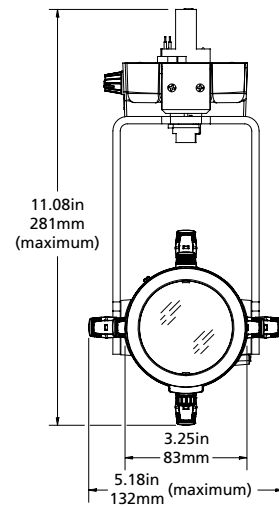
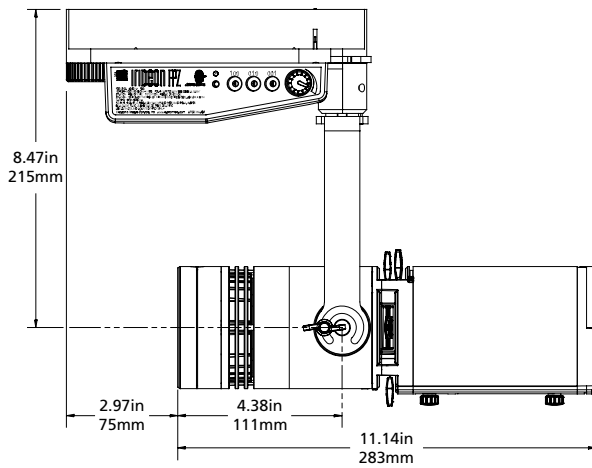
PHYSICAL

FPZ Dimensions

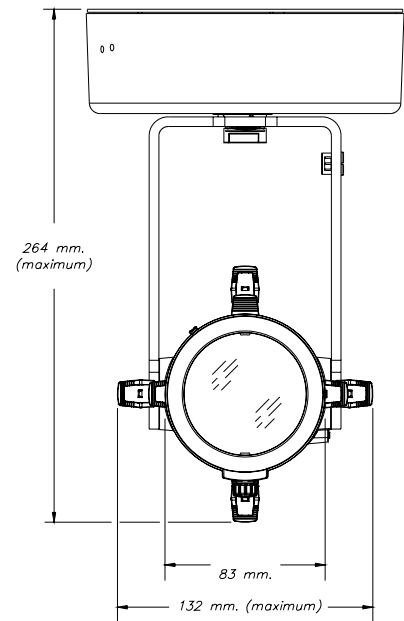
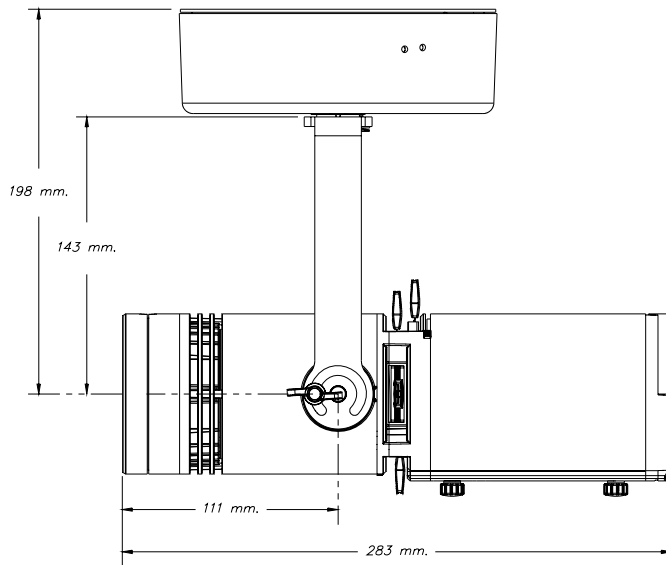
	HEIGHT	WIDTH	DEPTH
	mm	mm	mm
Track Mount	281	132	358
Portable	346	132	283
Canopy	264	132	283

FPZ Weights

	WEIGHT	SHIPPING WEIGHT
	kgs	kgs
Track Mount	1.95	2.8
Portable	2.6	3.4
Canopy	2.6	3.7



## PHYSICAL



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