Type(s)

Project

Date

Notes

GENERAL INFORMATION

The Irideon FPZ Plus is an LED framing projector with zoom optics that provides the highest quality beam, making it ideal for museums, lobbies, retail stores, and more. With brighter output than the standard FPZ fixture and a range of color temperature options from 2700 K to 5000 K, the FPZ Plus provides the flexibility to meet any installation's needs.

The superior quality zoom optics paired with three-plane shutters and a rotating barrel enable the FPZ Plus to create a sharp or soft focused light, 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

- Higher output than the traditional FPZ—up to 1600 lumens
- 25°–50° zoom optics
- Three-plane shutters
- F-Drive compatible versions available
- DMX control with built-in intensity trim feature
- DALI control available on OneTrack mounting
- Dimming to less than 1% of maximum output
- Available in black and white, contact ETC for custom colors

POWER INPUT OPTIONS

MODEL	100–120 VAC	230–240 VAC	120–277 VAC	230–277 VAC	F-DRIVE CC150
Portable	X	X			X
OneTrack by ETC	X	X		X	
Canopy			X		X

ORDERING INFORMATION

Irideon FPZ Plus

MODEL	COLOR TEMP	CRI	VOLTAGE	MOUNTING	CONTROL	COLOR
IRFPZP - Irideon FPZ Plus	**27 -** 2700 K **30 -** 3000 K **40 -** 4000 K **50 -** 5000 K	**80 -** Standard **90 -** Gallery -Gallery available with 2700 K and 3000 K options. -Standard available in 3000 K, 4000 K, and 5000 K options	**120 -** 120 V **230 -** 230 V **277 -** 277 V **MVOLT -** 100–277 V **FD -** F-Drive compatible	**OT -** OneTrack **C -** Canopy **P -** Portable (NEMA 5-15P) **PU -** Portable (UK 13 A Plug) **PE -** Portable (EU Schuko Plug) -F-Drive compatible available in Canopy and Portable (P) only.	**DMX -** DMX **DALI -** DALI **(Blank) -** F-Drive compatible -DALI only available in 230 V CE OneTrack	**BLANK -** Black **1 -** White **8 -** Custom

To complete the form, simply select an option at the bottom of each column to populate the last row with your desired model number.

PRODUCT SPECIFICATIONS

Source

LED details	Lumileds 1204HD
Max field lumens	1,642 (5000 K, 80 CRI)
Lumens per watt	50.5
L70 rating (hours to 70% output)	50,000 hours

Color

Colors used	White
Color temperature options	2700 K / 3000 K / 4000 K / 5000 K
Calibrated array	No
Red shift	No

Optical

Field angle range	25°–50°
Pattern projection	Yes
Pattern size	E (37.5 mm with a 25.4 mm image area)
Front magnetic media holder	Accommodates 66 mm (2.6 in) diameter color media, diffusion or glass, with a maximum thickness of 1.75 mm
Camera flicker control/Hz range	1.2 kHz (standard) 25 kHz (DMX version only, set via RDM)
Notes	Projector-quality, high-contrast lenses Beam edge is continually adjustable hard to soft

Electrical

Voltage range	100–120 V 50/60 Hz (Portable/Track) 230–277 V 50/60 Hz (Portable/Track) 120–277 V 50/60 Hz (Canopy) 24 VDC 700 mA (F-Drive)
Power cord length	190 cm (75 in), portable variant only
Control input options	DMX - Portable, OneTrack, Canopy DALI - OneTrack 3-Circuit F-Drive - Canopy and Portable only
Track adapter (Track variant only)	120 V - OneTrack 230 V - OneTrack 3-Circuit + DALI 277 V - OneTrack
Wattage	27 W typical, 30 W max
Inrush (first half-cycle) with DMX variant	115 V - 25 A 230 V - 45 A
Inrush (first half-cycle) for DALI OneTrack variant	120 V - 2 A 277 V - 6 A
Fixtures per circuit with DMX variant	45 fixtures (R20 module or similar)
Fixtures per circuit with DALI OneTrack variant	90 fixtures (R20 module or similar)

Warranty

Fixture	5 years
LED array	10 years

F-Drive

Maximum units per approved driver	FD-ROC-CC150: four (4) FD-W1-CCD: four (4) FD-W1E-CCD: four (4) FD-RX-OC-CC8: eight (8)
Luminaire operating current	700 mA
Complete driver data	etcconnect.com/F-Drive

Control

Protocols	DMX - Portable, Track, Canopy DALI - OneTrack
RDM configuration	Yes (DMX versions only)
UI type	Rotary pots (DMX versions only)
Local control	DMX OneTrack and DMX Portable only

Thermal

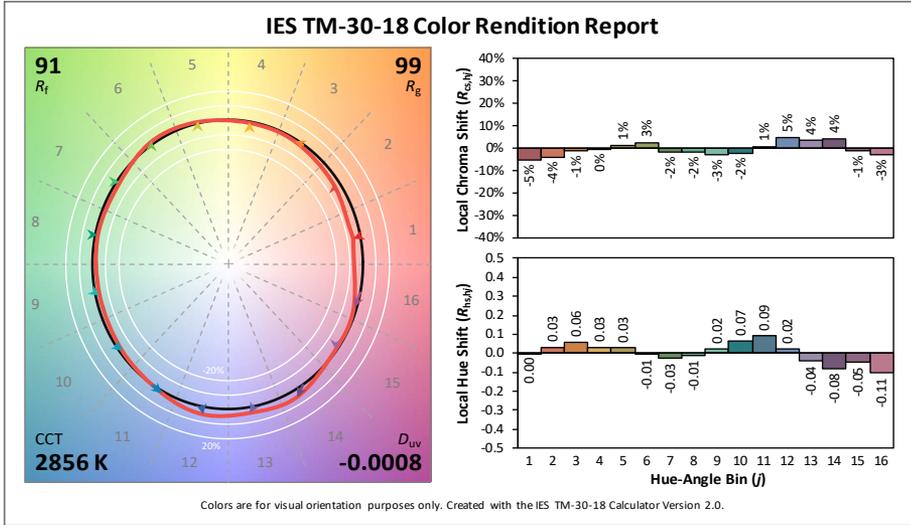|	
Ambient operating temp	0° to 40° C (32° to 104° F)
Fan (controllable)	No fan
dB range	N/A
BTUs/hour	92.12 typical, 102.36 max

Physical

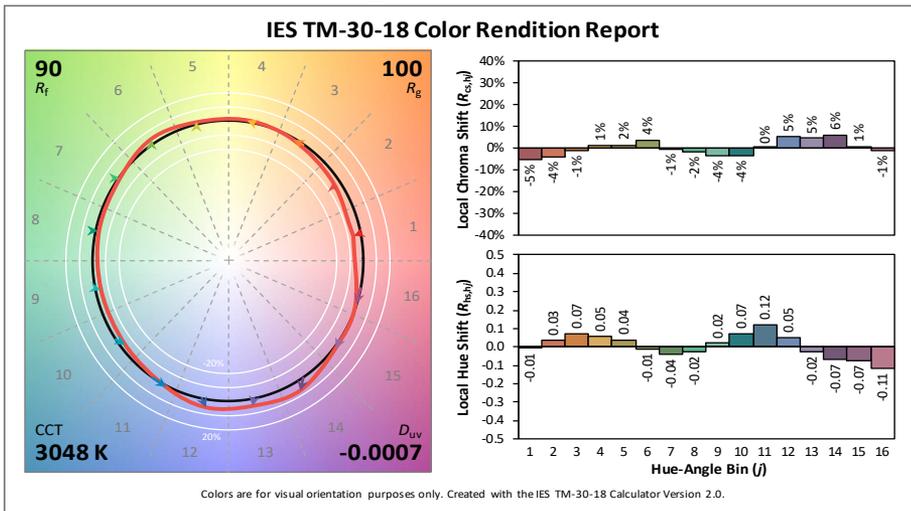|	
Materials	Die-cast aluminum (A380 grade)
Color options	Black, white, or custom color
Mounting options	OneTrack, Portable, Canopy
IP rating	IP20
Weight	See the FPZ Plus Dimensions and Weights table on page 5
Included accessories (Portable only)	E-size pattern holder Magnetic media holder
Included accessories (DMX Canopy only)	DMX connector kit E-size pattern holder Magnetic media holder
Notes	Tool-free beam adjustment Locking, full hard shutters in a tri-plane assembly Thermally insulated knobs and shutter handles

Approved Regulatory Standards

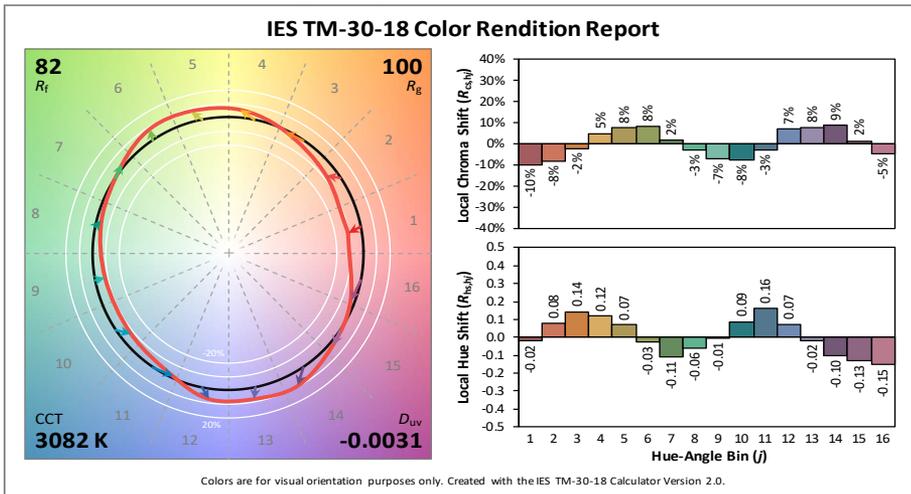|	
All versions	cETLus Listed CE Compliant UKCA Compliant
Portable version (including F-Drive and standard)	Conforms to ANSI/UL STD.1598 Certified to CSA STD. C22.2 No: 250
OneTrack versions	Conforms to ANSI/UL STD.1574 Certified to CSA STD. C22.2 No: 250.570
Canopy version	Conforms to ANSI/UL STD.1598 Certified to CSA STD. C22.2 No: 250.0
F-Drive Canopy version	Conforms to ANSI/UL STD.2108 Certified to CSA STD. C22.2 No. 250.2

COLOR METRIC INFORMATION

Irideon FPZ Plus 2700 K Gallery (90CRI) TM-30-18

IES TM-30-18 Color Rendition Report

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.0.

Irideon FPZ Plus 3000 K Gallery (90CRI) TM-30-18

IES TM-30-18 Color Rendition Report

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.0.
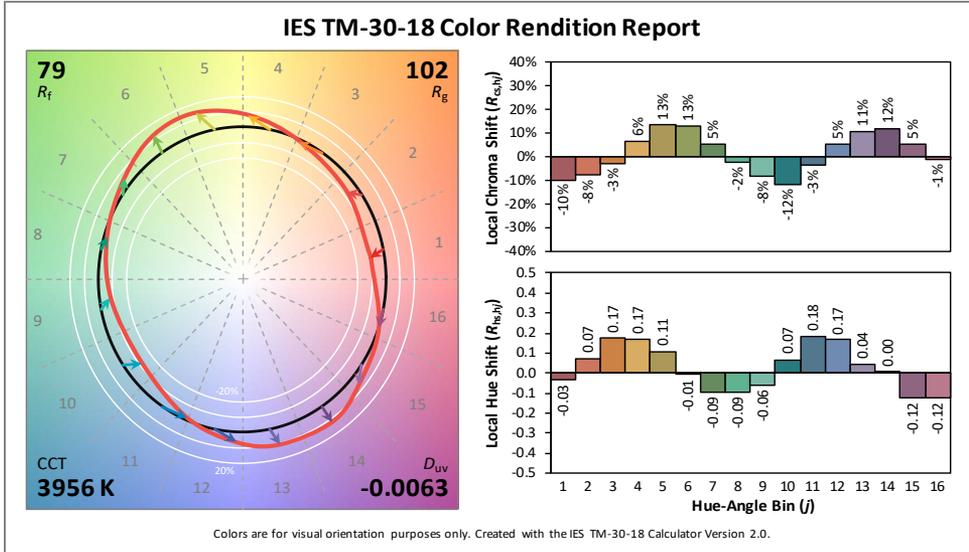
Irideon FPZ Plus 3000 K (80CRI) TM-30-18

IES TM-30-18 Color Rendition Report

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.0.
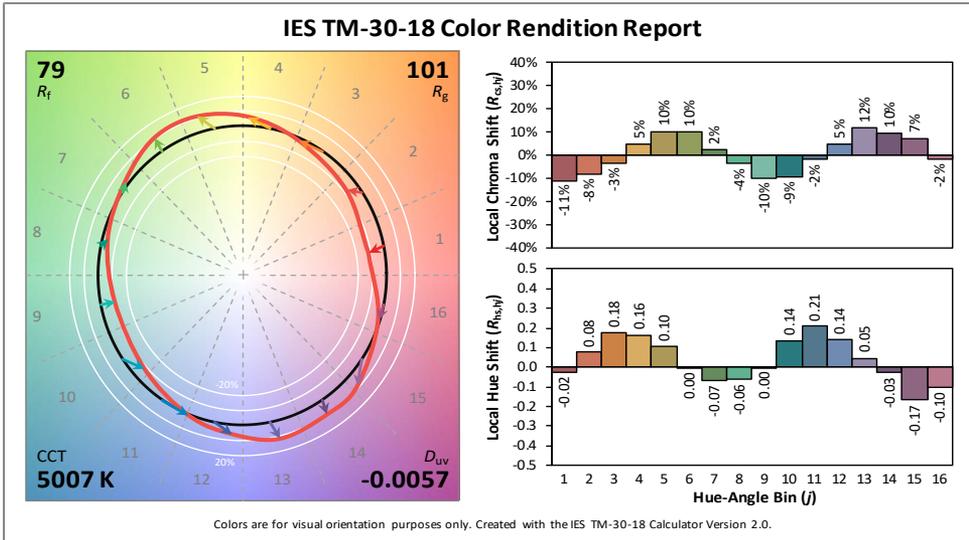
COLOR METRIC INFORMATION

Irideon FPZ Plus 4000 K Gallery (80CRI) TM-30-18

IES TM-30-18 Color Rendition Report

79 R_f		102 R_g
CCT **3956 K**		D_{uv} **-0.0063**

Local Chroma Shift ($R_{cs,hj}$): -10%, -8%, -3%, 6%, 13%, 13%, 5%, -2%, -8%, -12%, -3%, 5%, 11%, 12%, 5%, -1%

Local Hue Shift ($R_{hs,hj}$): -0.03, 0.07, 0.17, 0.17, 0.11, -0.01, -0.09, -0.09, -0.06, 0.07, 0.18, 0.17, 0.04, 0.00, -0.12, -0.12

Hue-Angle Bin (j)

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.0.

Irideon FPZ Plus 5000 K Gallery (80CRI) TM-30-18

IES TM-30-18 Color Rendition Report

79 R_f		101 R_g
CCT **5007 K**		D_{uv} **-0.0057**

Local Chroma Shift ($R_{cs,hj}$): -11%, -8%, -3%, 5%, 10%, 10%, 2%, -4%, -10%, -9%, -2%, 5%, 12%, 10%, 7%, -2%

Local Hue Shift ($R_{hs,hj}$): -0.02, 0.08, 0.18, 0.16, 0.10, 0.00, -0.07, -0.06, 0.00, 0.14, 0.21, 0.14, 0.05, -0.03, -0.17, -0.10

Hue-Angle Bin (j)

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.0.

PHOTOMETRY

Array	Focus	Candela	Delivered Lumens	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700 K / 90 CRI	Narrow	9,886	1,280	1,252	1,238	33.5	37.4
2700 K / 90 CRI	Middle	5,201	1,320	1,294	1,254	33.5	38.6
2700 K / 90 CRI	Wide	3,059	1,262	1,234	1,051	33.5	36.8
3000 K / 90 CRI	Narrow	10,074	1,304	1,276	1,262	32.7	39.0
3000 K / 90 CRI	Middle	5,300	1,345	1,319	1,278	32.7	40.3
3000 K / 90 CRI	Wide	3,090	1,285	1,257	1,068	32.7	38.4
3000 K / 80 CRI	Narrow	12,021	1,557	1,522	1,505	32.3	47.1
3000 K / 80 CRI	Middle	6,324	1,605	1,574	1,525	32.3	48.7
3000 K / 80 CRI	Wide	3,643	1,534	1,501	1,292	32.3	46.5
4000 K / 80 CRI	Narrow	12,229	1,583	1,549	1,531	32.2	48.1
4000 K / 80 CRI	Middle	6,434	1,633	1,601	1,551	32.2	49.7
4000 K / 80 CRI	Wide	3,735	1,561	1,527	1,301	32.2	47.4
5000 K / 80 CRI	Narrow	12,545	1,624	1,589	1,571	32.5	48.9
5000 K / 80 CRI	Middle	6,600	1,675	1,642	1,591	32.5	50.5
5000 K / 80 CRI	Wide	3,828	1,601	1,566	1,334	32.5	48.2

ACCESSORIES

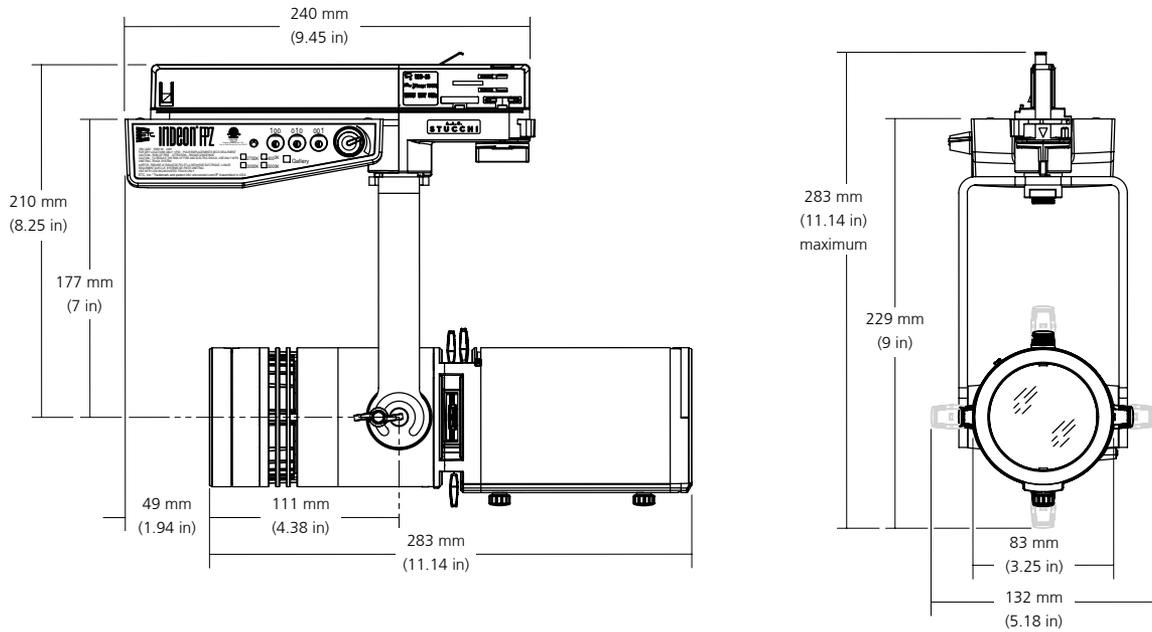| MODEL	ACCESSORY
HW7450	Irideon Clamp, Black
HW7450-1	Irideon Clamp, White
4MCC	Mini C-Clamp, Black

Irideon FPZ Plus Portable comes with no clamps included. Please order from the above clamps if one is required.
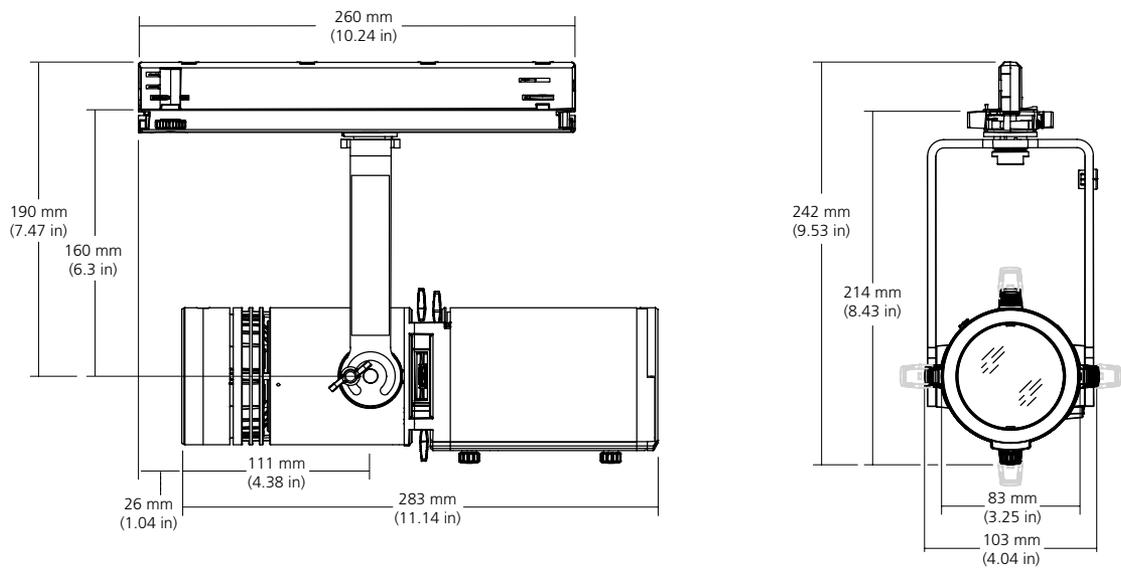
PHYSICAL

FPZ Plus Dimensions and Weights

	HEIGHT		WIDTH		DEPTH		WEIGHT		SHIPPING WEIGHT	
	in	mm	in	mm	in	mm	lb	kg	lb	kg
OneTrack DMX	11.14	283	5.18	132	13.08	332	4.25	1.93	6.25	2.83
OneTrack DALI	10.08	256	5.18	132	12.18	309	4.4	1.99	6.65	3.02
Portable	13.62	346	5.18	132	11.14	283	5.62	2.55	7.41	3.36
Canopy	10.41	264	5.18	132	11.14	283	5.70	2.58	8.11	3.68
F-Drive Portable	8.23	209	5.18	132	11.14	283	4.19	1.90	6.19	2.81
F-Drive Canopy	9.68	246	5.18	132	11.14	283	4.85	2.20	6.92	3.14

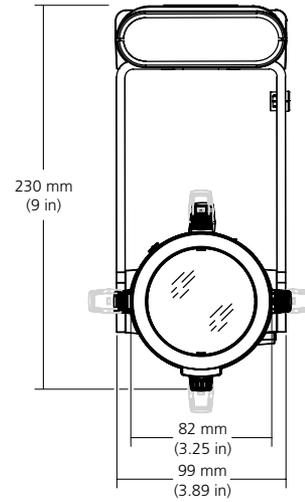**IRIDEON FPZ PLUS DMX ONETRACK MOUNT**

240 mm
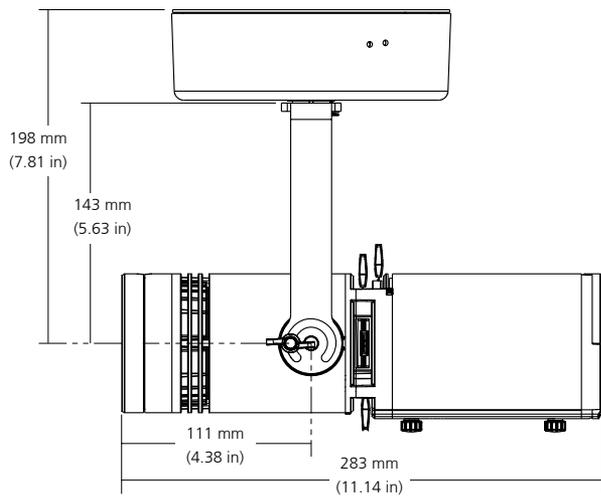(9.45 in)

210 mm
(8.25 in)

177 mm
(7 in)

49 mm
(1.94 in)

111 mm
(4.38 in)

283 mm
(11.14 in)

283 mm
(11.14 in)
maximum

229 mm
(9 in)

83 mm
(3.25 in)

132 mm
(5.18 in)

IRIDEON FPZ PLUS DALI ONETRACK MOUNT

260 mm
(10.24 in)

190 mm
(7.47 in)

160 mm
(6.3 in)

111 mm
(4.38 in)

26 mm
(1.04 in)

283 mm
(11.14 in)

242 mm
(9.53 in)

214 mm
(8.43 in)

83 mm
(3.25 in)

103 mm
(4.04 in)

IRIDEON FPZ PLUS PORTABLE

171 mm
(6.73 in)

176 mm
(6.93 in)

112 mm
(4.40 in)

283 mm
(11.14 in)

230 mm
(9 in)

82 mm
(3.25 in)

99 mm
(3.89 in)

IRIDEON FPZ PLUS CANOPY

198 mm
(7.81 in)

143 mm
(5.63 in)

111 mm
(4.38 in)

283 mm
(11.14 in)

264 mm
(10.41 in)
maximum

83 mm
(3.25 in)

132 mm
(5.18 in)
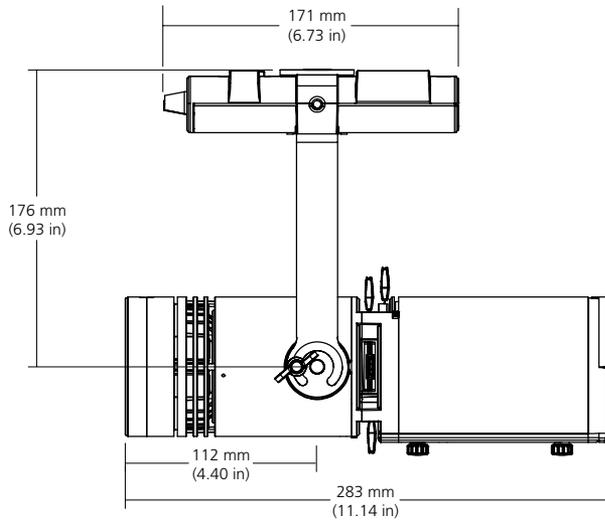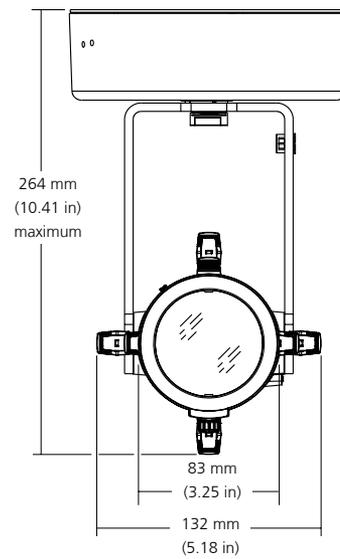
IRIDEON FPZ PLUS PORTABLE - F-DRIVE

53 mm
(2.09 in)

32 mm
(1.26 in)

143 mm
(5.62 in)

209 mm
(8.23 in)
maximum

111 mm
(4.38 in)

283 mm
(11.14 in)

83 mm
(3.25 in)

132 mm
(5.18 in)
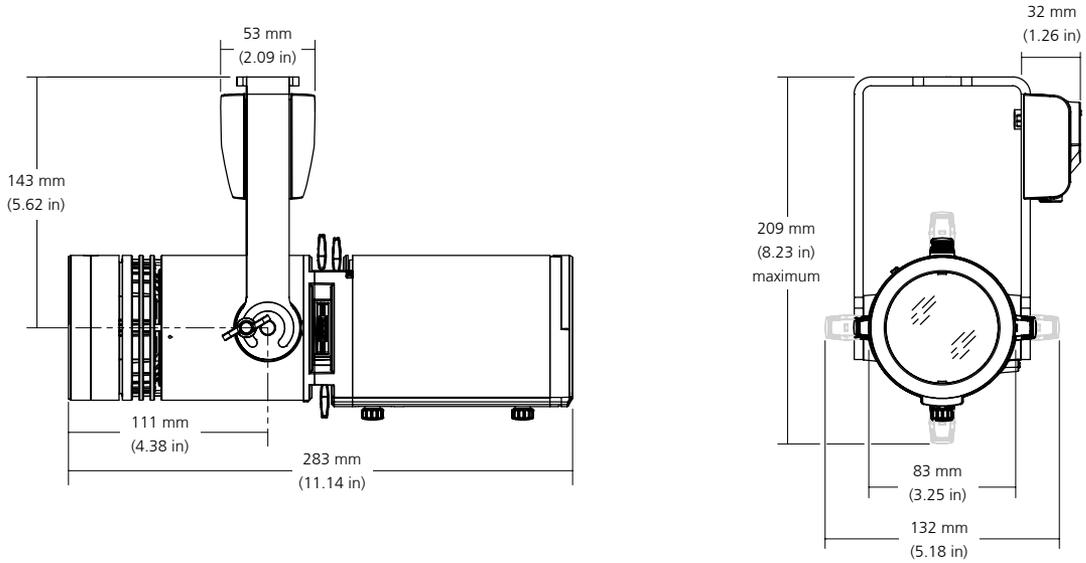
IRIDEON FPZ PLUS CANOPY - F-DRIVE

135 mm
(5.31 in)

8 mm
(0.31 in)

172 mm
(6.77 in)

143 mm
(5.63 in)

238 mm
(9.37 in)
maximum

111 mm
(4.38 in)

283 mm
(11.14 in)

83 mm
(3.25 in)

132 mm
(5.18 in)