ETC

WLZ Plus

Irideon Series

Type(s)

Project

Date

Notes

GENERAL INFORMATION

The Irideon WLZ Plus is an LED wash light with zoom optics that provide the highest quality beam from spot to full flood, making it ideal for museums, lobbies, retail stores, and more. With a brighter output than traditional WLZ fixtures and a range of color temperature options from 2700 K to 5000 K, the WLZ Plus is well-suited for any application.

The soft beam output supports an optional barn door and provides high-performance dimming utilizing an onboard dimming engine, DMX control, or F-Drive compatibility; the OneTrack versions also support DALI.

APPLICATIONS

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

FEATURES

- Higher output than the traditional WLZ—up to 2600 lumens
- 9°–78° zoom optics
- Integrated media holder
- 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

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 WLZ Plus

MODEL	COLOR TEMP	CRI	VOLTAGE	MOUNTING	CONTROL	COLOR
IRWLZP - Irideon WLZ 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.

ETC

PRODUCT SPECIFICATIONS

Source

LED details	Lumileds 1204HD
Max field lumens	2,602 (5000 K, 80 CRI)
Lumens per watt	80.8
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

Beam angle range	9°–78°
Pattern projection	No
Front magnetic media holder	Accommodates 69 mm (2.72 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	Optional barn-door accessory available

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 (Portable variant only)	190 cm (75 in)
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 version only)
UI type	Rotary pots (DMX version only)
Local control	DMX OneTrack and DMX Portable versions only

Thermal

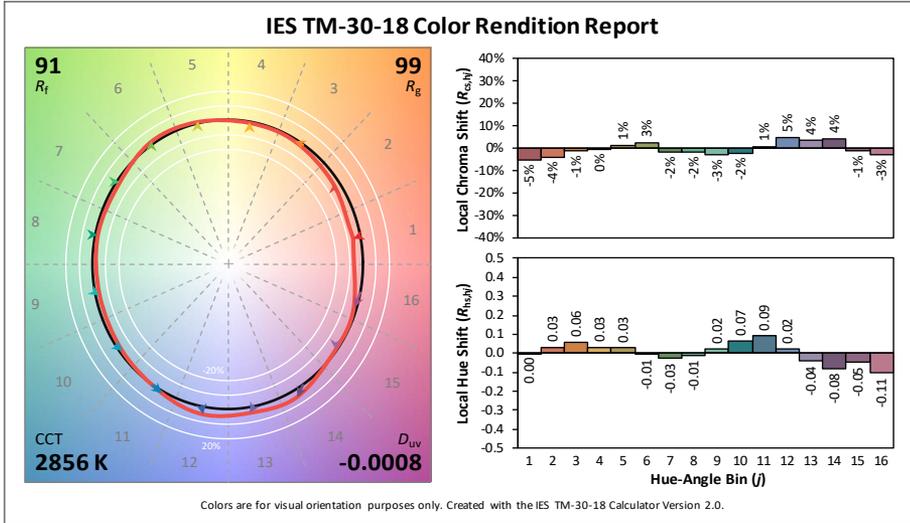|	
Ambient operating temp	0°to 40° C (32° to 104° F)
Fan (controllable)	No fan
dB range	N/A
BTUs/hour	92.12 typical, 102.36 max

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 WLZ Plus Dimensions and Weights table on page 5
Included accessories (Portable only)	Magnetic media holder
Included accessories (DMX Canopy only)	DMX connector kit Magnetic media holder
Notes	Tool-free beam adjustment Thermally insulated knobs and shutter handles

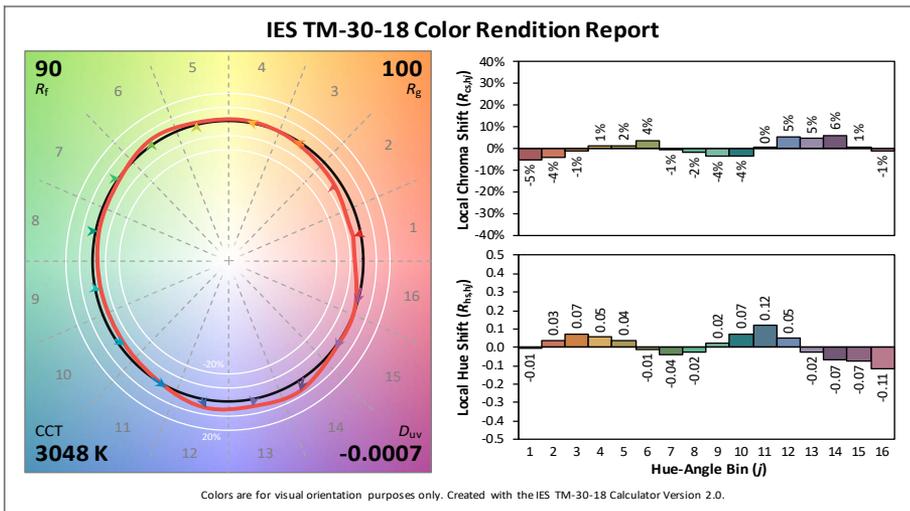## Approved Regulatory Standards

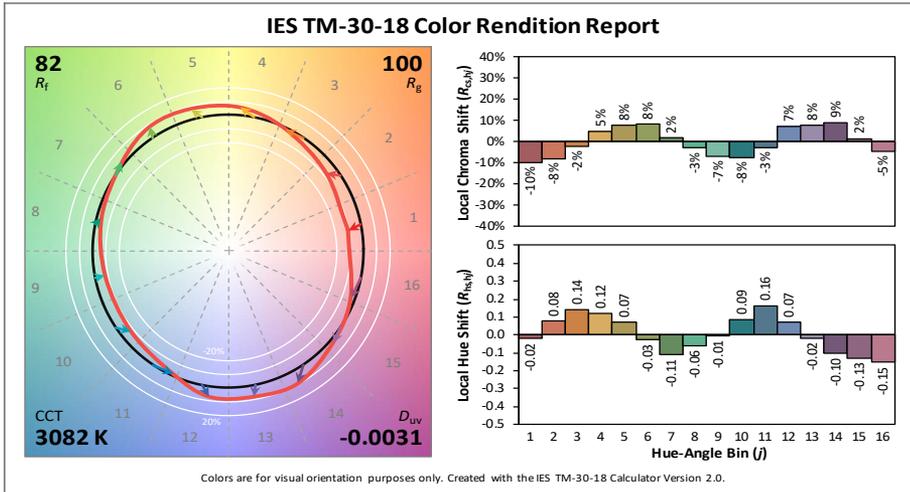|	
All versions	cETLus Listed CE Compliant UKCA Compliant
Portable version (including F-Drive and standard)	Conforms to ANSI/UL STD.1598 Certified to CSA STD. C22.2 No: 250
OneTrack versions	Conforms to ANSI/UL STD.1574 Certified to CSA STD. C22.2 No: 9.0
Canopy version	Conforms to ANSI/UL STD.1598 Certified to CSA STD. C22.2 No: 250
F-Drive Canopy version	Conforms to ANSI/UL STD.2108 Certified to CSA STD. C22.2 No. 250.2

COLOR METRIC INFORMATION

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

IES TM-30-18 Color Rendition Report

91 R_f 99 R_g

CCT 2856 K D_{uv} -0.0008

Local Chroma Shift ($R_{cs,hj}$): -5% -4% -1% 0% 1% 3% -2% -2% -3% -2% 1% 5% 4% 4% -1% -3%

Local Hue Shift ($R_{hs,hj}$): 0.00 0.03 0.06 0.03 0.03 -0.01 -0.03 -0.01 0.02 0.07 0.09 0.02 -0.04 -0.08 -0.05 -0.11

Hue-Angle Bin (j)

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

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

IES TM-30-18 Color Rendition Report

90 R_f 100 R_g

CCT 3048 K D_{uv} -0.0007

Local Chroma Shift ($R_{cs,hj}$): -5% -4% -1% 1% 2% 4% -1% -2% -4% -4% 0% 5% 5% 6% 1% -1%

Local Hue Shift ($R_{hs,hj}$): -0.01 0.03 0.07 0.05 0.04 -0.01 -0.04 -0.02 0.02 0.07 0.12 0.05 -0.02 -0.07 -0.07 -0.11

Hue-Angle Bin (j)

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

Irideon WLZ Plus 3000 K (80 CRI) TM-30-18

IES TM-30-18 Color Rendition Report

82 R_f 100 R_g

CCT 3082 K D_{uv} -0.0031

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

Local Hue Shift ($R_{hs,hj}$): -0.02 0.08 0.14 0.12 0.07 -0.03 -0.11 -0.06 -0.01 0.09 0.16 0.07 -0.02 -0.10 -0.13 -0.15

Hue-Angle Bin (j)

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

COLOR METRIC INFORMATION

Irideon WLZ Plus 4000 K Gallery (80 CRI) 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

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.0.
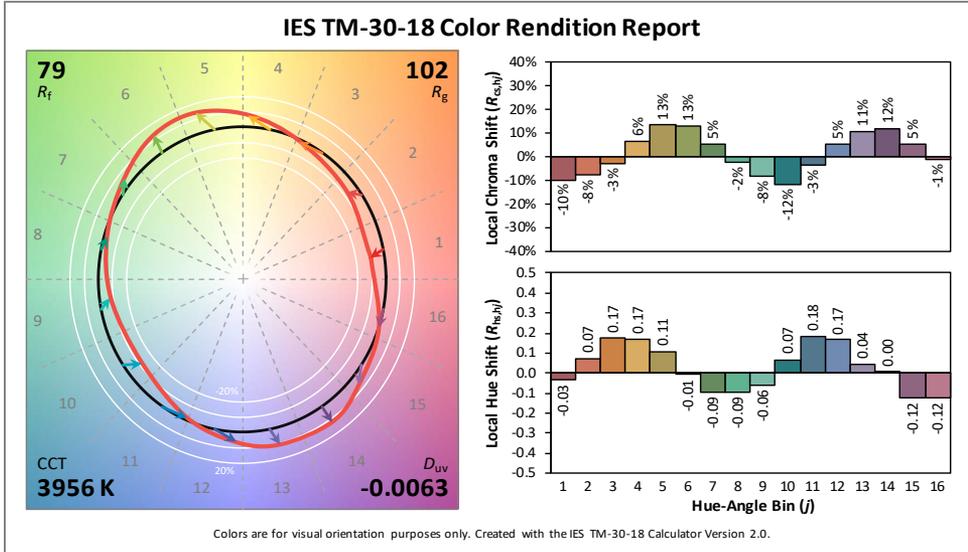
Irideon WLZ Plus 5000 K Gallery (80 CRI) TM-30-18

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

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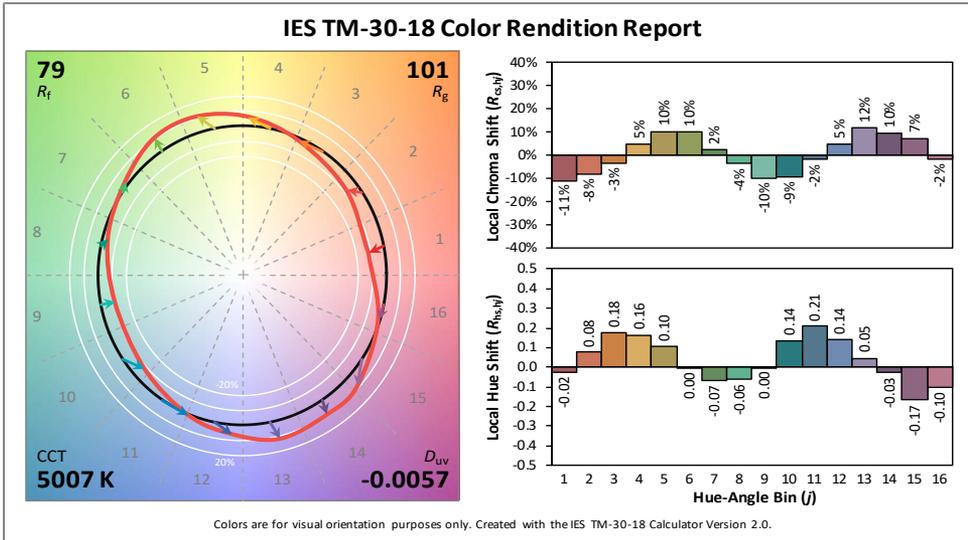
PHOTOMETRY INFORMATION

Array	Focus	Candela	Delivered Lumens	Field Lumens	Beam Lumens	Power Consumption	Efficacy (lpw)
2700 K / 90 CRI	Narrow	21,391	741	639	379	33.5	19.1
2700 K / 90 CRI	Mid	5564	1,439	1319	925	33.5	39.4
2700 K / 90 CRI	Flood	1768	1,979	1832	1239	33.5	54.7
3000 K / 90 CRI	Narrow	23,830	826	712	422	31.8	22.4
3000 K / 90 CRI	Mid	6198	1,603	1469	1030	31.8	46.2
3000 K / 90 CRI	Flood	1857	2,199	2040	1421	31.8	64.2
3000 K / 80 CRI	Narrow	27,402	949	819	486	32.1	25.5
3000 K / 80 CRI	Mid	7128	1,843	1690	1185	32.1	52.6
3000 K / 80 CRI	Flood	2154	2,530	2347	1664	32.1	73.1
4000 K / 80 CRI	Narrow	30,204	1,046	902	535	32	28.2
4000 K / 80 CRI	Mid	7856	2,032	1862	1306	32	58.2
4000 K / 80 CRI	Flood	2337	2,788	2586	1846	32	80.8
5000 K / 80 CRI	Narrow	30,375	1,052	907	538	32.2	28.2
5000 K / 80 CRI	Mid	7901	2,043	1873	1314	32.2	58.2
5000 K / 80 CRI	Flood	2312	2,805	2602	1875	32.2	80.8

ACCESSORIES

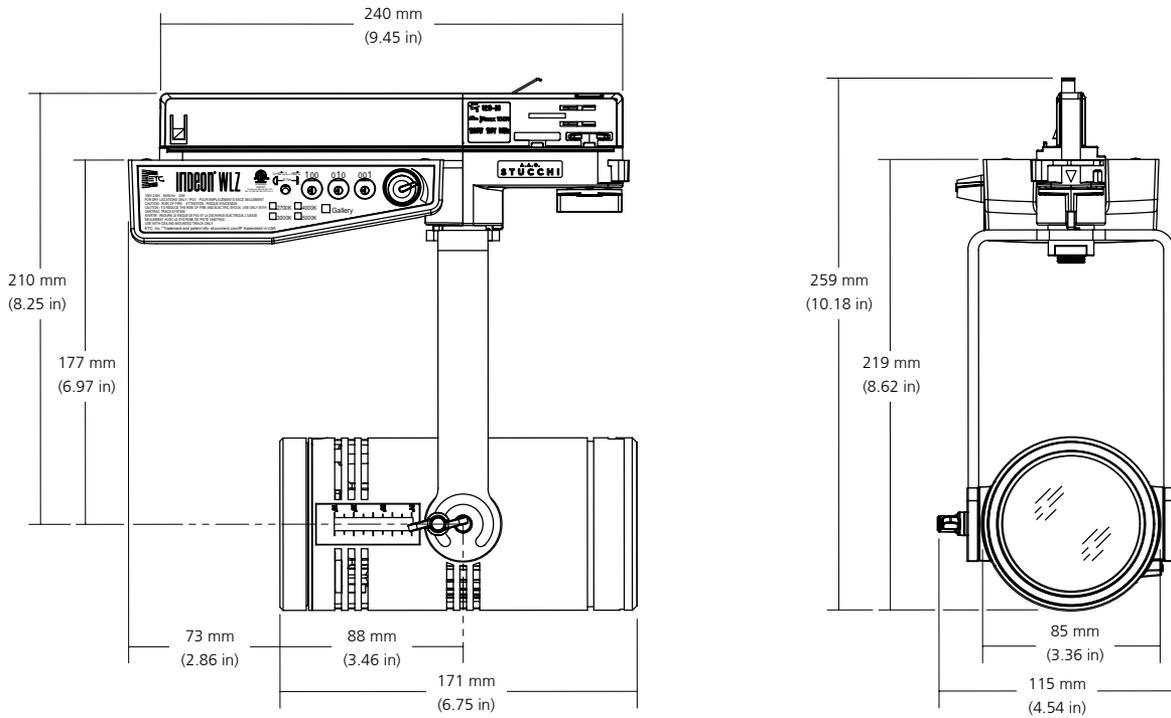| MODEL	ACCESSORY
HW7450	Irideon Clamp, Black
HW7450-1	Irideon Clamp, White
4MCC	C-Clamp, Black
IRWLZ-BD	Irideon WLZ Barn Door, Black
IRWLZ-BD-1	Irideon WLZ Barn Door, White

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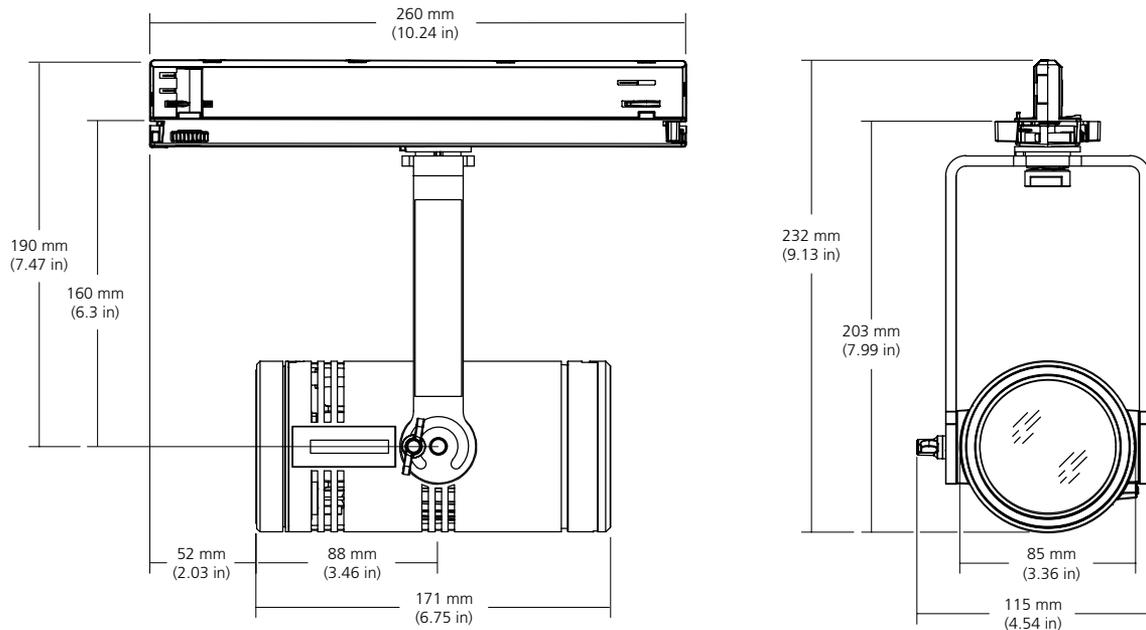
PHYSICAL

WLZ Plus Dimensions and Weights

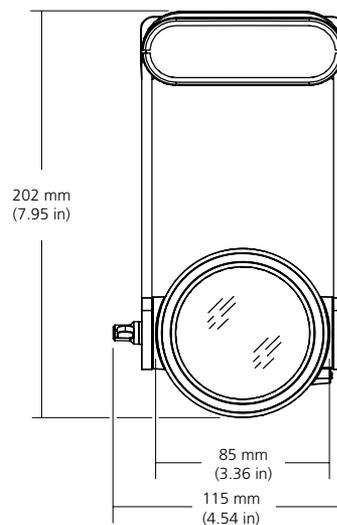|	HEIGHT		WIDTH		DEPTH		WEIGHT		SHIPPING WEIGHT	
	in	mm	in	mm	in	mm	lb	kg	lb	kg
OneTrack DMX	10.18	259	4.54	115	9.61	244	3.25	1.47	4.25	1.93
OneTrack DALI	9.13	232	4.54	115	8.79	224	3.40	1.54	5.70	2.58
Portable	7.95	202	4.54	115	6.75	171	4.15	1.88	5.15	2.34
Canopy	8.76	223	4.54	115	6.75	171	3.25	1.47	4.25	1.93
F-Drive Portable	7.28	185	4.54	115	6.75	171	3.14	1.43	5.13	2.33
F-Drive Canopy	8.42	214	4.54	115	6.75	171	3.80	1.72	6.29	2.85

IRIDEON WLZ PLUS DMX ONETRACK MOUNT

240 mm
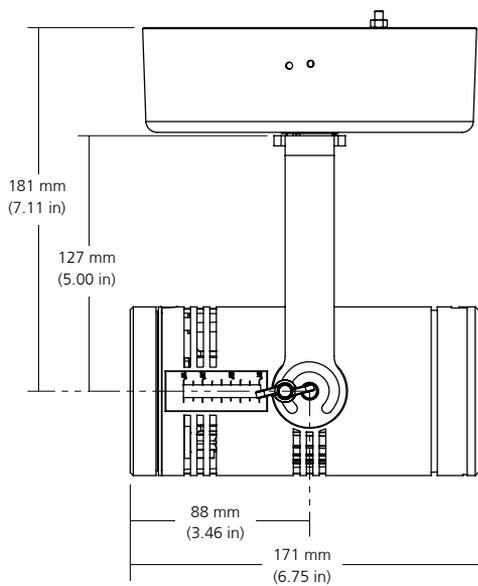(9.45 in)

210 mm
(8.25 in)

177 mm
(6.97 in)

73 mm
(2.86 in)

88 mm
(3.46 in)

171 mm
(6.75 in)

259 mm
(10.18 in)

219 mm
(8.62 in)

85 mm
(3.36 in)

115 mm
(4.54 in)

IRIDEON WLZ PLUS DALI ONETRACK MOUNT

260 mm
(10.24 in)

190 mm
(7.47 in)

160 mm
(6.3 in)

52 mm
(2.03 in)

88 mm
(3.46 in)

171 mm
(6.75 in)

232 mm
(9.13 in)

203 mm
(7.99 in)

85 mm
(3.36 in)

115 mm
(4.54 in)

IRIDEON WLZ PLUS PORTABLE

171 mm
(6.73 in)

160 mm
(6.30 in)

88 mm
(3.46 in)

171 mm
(6.75 in)

202 mm
(7.95 in)

85 mm
(3.36 in)

115 mm
(4.54 in)

IRIDEON WLZ PLUS CANOPY

181 mm
(7.11 in)

127 mm
(5.00 in)

88 mm
(3.46 in)

171 mm
(6.75 in)

223 mm
(8.76 in)

85 mm
(3.36 in)

115 mm
(4.54 in)
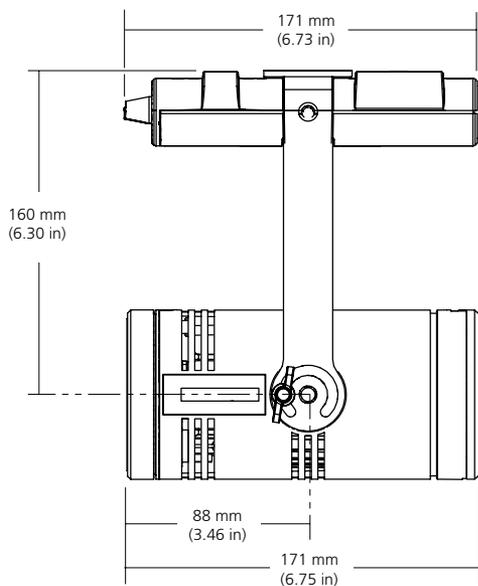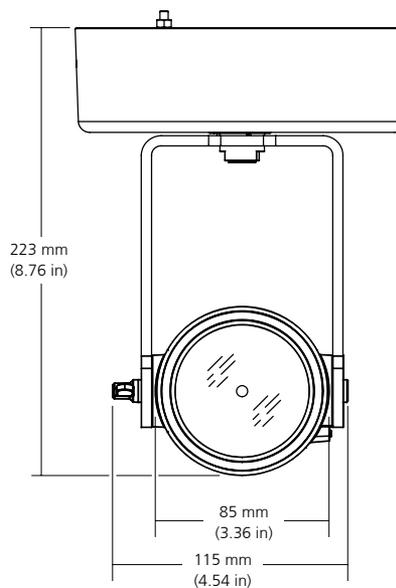
IRIDEON WLZ PLUS PORTABLE - F-DRIVE

53 mm
(2.09 in)

32 mm
(1.26 in)

143 mm
(5.63 in)

185 mm
(7.28 in)

88 mm
(3.46 in)

85 mm
(3.36 in)

171 mm
(6.75 in)

115 mm
(4.54 in)
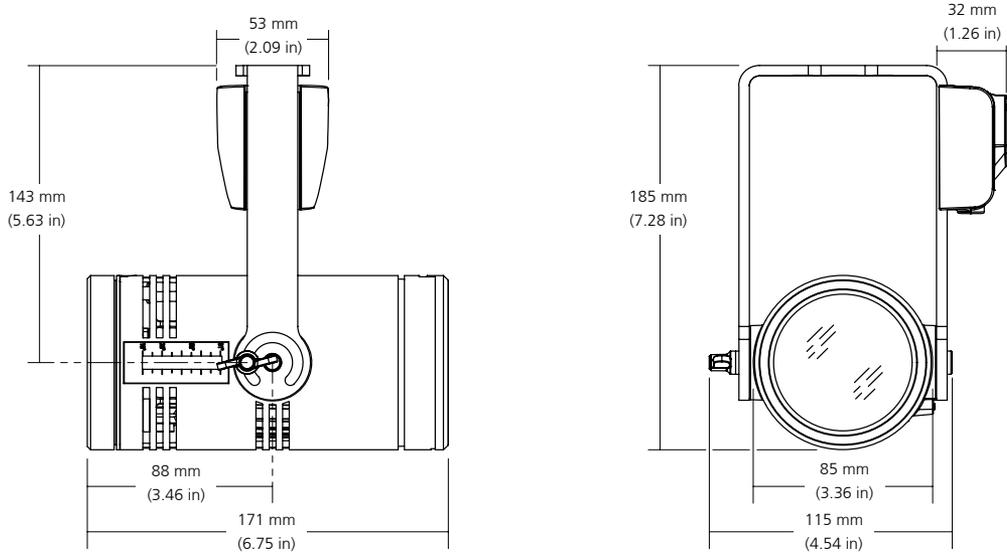
IRIDEON WLZ PLUS CANOPY - F-DRIVE

135 mm
(5.31 in)

8 mm
(0.31 in)

172 mm
(6.77 in)

143 mm
(5.63 in)

214 mm
(8.42 in)

88 mm
(3.46 in)

85 mm
(3.36 in)

171 mm
(6.75 in)

115 mm
(4.54 in)