AFS-700 LED Followspot

The AFS-700 LED follow spot is a lightweight, 780 Watt white LED manual follow spot that is packed with a powerful feature set at an affordable price. This compact luminaire weighs under 40 pounds (17 kg.) and is a purpose built multi-performance LED follow spot. The AFS-700 LED follow spot follows the traditions of Altman Lighting while introducing several new key features to this
performance luminaire.

The AFS-700 LED follow spot's compact, extruded aluminum design allows for discrete luminaire placement while offering powerful light output at distances over 200 feet (60 meters). Offering a motorized - DMX or locally controlled - precision zoom system that delivers a 7° to 13° beam spread. In addition to the motorized zoom, the AFS-700 LED follow spot combines automated beam control with the manual movement of a traditional follow spot.

Each AFS-700 LED follow spot includes a on-board controller, allowing for simple button press color control and fade pot control of intensity, strobe, color correction (CTO), iris, focus, and zoom. Each of these features can be controlled from either the AFS-700 controller or via DMX. Add the additional front-end accessory holder to house a number of after-market accessories such as an external color boomerang, top hat, or concentric rings for added beam shaping or color functionality.
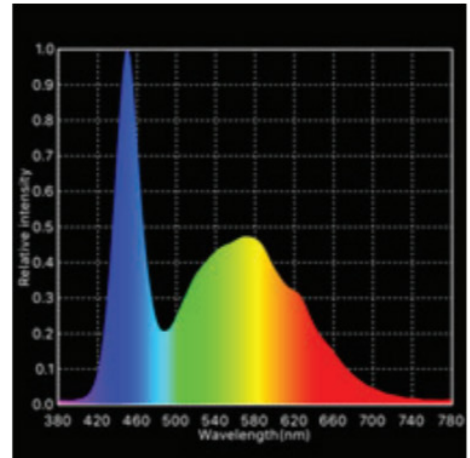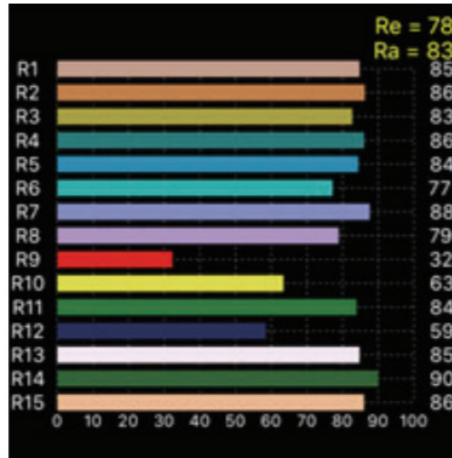

AFS700 LED FOLLOWSPOT

Product Features:

- 7600K white LED engine
- 7° to 13° motorized precision zoom system
- DMX or locally controlled:
  Intensity (dimming)
  Motorized focus and zoom
  Touch button color selection
  Half tone (split) color selection
  CTO Wheel offering 5600K, 4500K and 3200K
  Iris
  Strobe
  LED on / off
- Discrete feature lock out system
- 100 to 240 VAC 50/60Hz operation with PowerCON input only
- Color Wheel with 7 colors + Split ; Red (Flame Red), Green (Moss Green), Magenta (Light Pink), Yellow (Soft Golden Amber), Blue (Booster Blue), Orange (Light Amber),Violet (Light Lavender).

- DMX 5-pin input and output/through
- Compatible with DMX 512 protocols (note, the AFS-700 is not an RDM-enabled luminaire)
- Local and multi-luminaire operation (no DMX needed)
- On-board, simple-to-use user control interface (control panel detachable)
- Includes folding tripod stand (polished aluminum finish)
- Luminaire comes in black finish
- Compact, lightweight design Fixture only: 38.3 lbs (17.4 kg) / Tripod only: 12 lbs (5.5 kg)

ALTMAN
L I G H T I N G
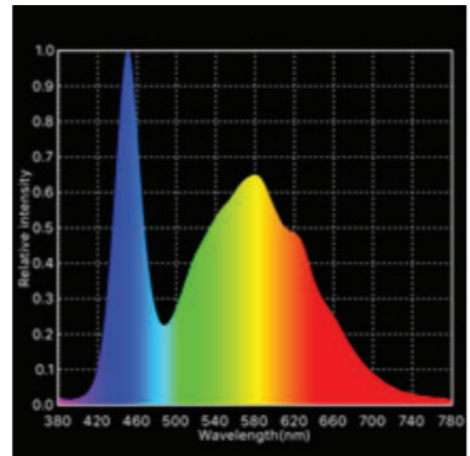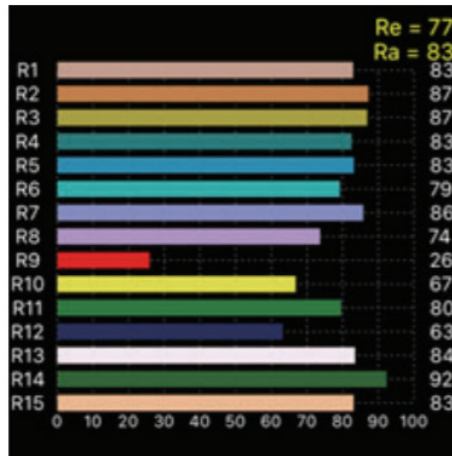
AFS700 Photometrics

AFS-700 LED FOLLOW SPOT PHOTOMETRIC SCORE CARD - 7600K (native)

CCT	7634K
DUV	-0.0091
CRI (Ra)	83
CQS	75
TLCI (Qa)	61.2
TM-30-15 rf	77
TM-30-15 rg	98

Re = 78
Ra = 83

R1	85
R2	86
R3	83
R4	86
R5	84
R6	77
R7	88
R8	79
R9	32
R10	63
R11	84
R12	59
R13	85
R14	90
R15	86

AFS-700 LED FOLLOW SPOT PHOTOMETRIC SCORE CARD - CTO WHEEL POSITION 1

CCT	5455K
DUV	-0.0102
CRI (Ra)	83
CQS	75
TLCI (Qa)	59.8
TM-30-15 rf	77
TM-30-15 rg	98

Re = 77
Ra = 83

R1	83
R2	87
R3	87
R4	83
R5	83
R6	79
R7	86
R8	74
R9	26
R10	67
R11	80
R12	63
R13	84
R14	92
R15	83

ALTMAN
LIGHTING

AFS700 Photometrics

AFS-700 LED FOLLOW SPOT PHOTOMETRIC SCORE CARD - CTO WHEEL POSITION 2

CCT	4657K
DUV	-0.0039
CRI (Ra)	79
CQS	75
TLCI (Qa)	57.2
TM-30-15 rf	77
TM-30-15 rg	95

Re = 72
Ra = 79

R1	77
R2	86
R3	90
R4	76
R5	77
R6	78
R7	85
R8	65
R9	6
R10	64
R11	72
R12	55
R13	79
R14	94
R15	74
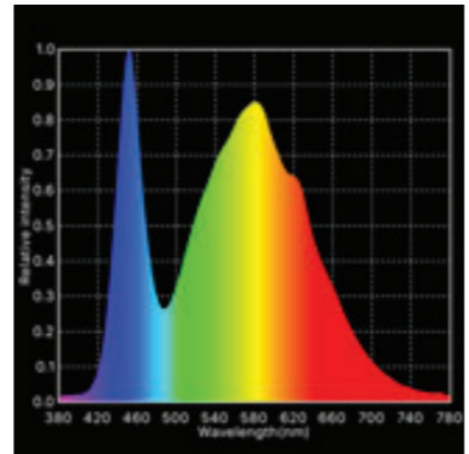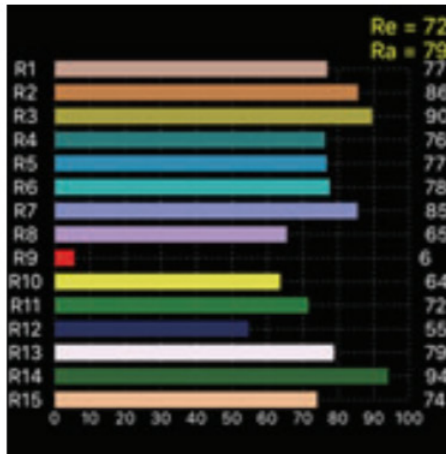
AFS-700 LED FOLLOW SPOT PHOTOMETRIC SCORE CARD - CTO WHEEL POSITION 3

CCT	3055K
DUV	-0.0120
CRI (Ra)	79
CQS	74
TLCI (Qa)	54.4
TM-30-15 rf	74
TM-30-15 rg	99

Re = 74
Ra = 79

R1	78
R2	89
R3	94
R4	72
R5	77
R6	83
R7	80
R8	60
R9	14
R10	73
R11	66
R12	69
R13	80
R14	97
R15	76

ALTMAN
LIGHTING
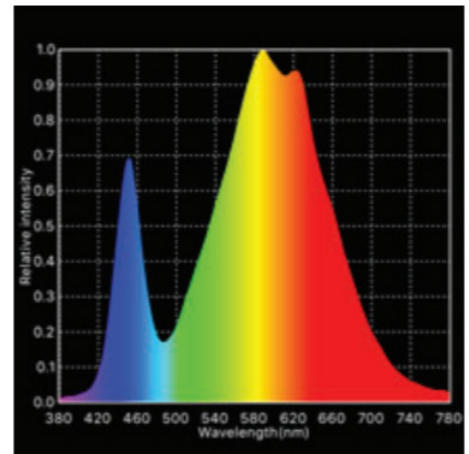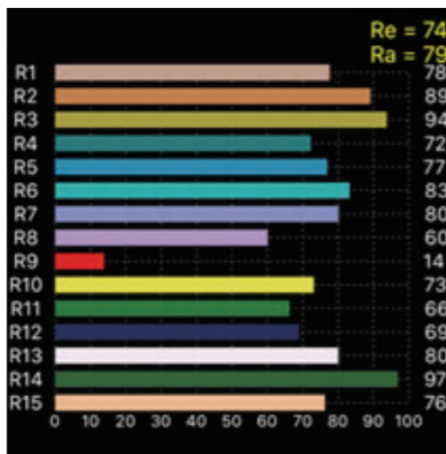
AFS700 Photometrics

AFS-700 LED Follow Spot at 7° (sharp focus)
Delivered beam lumens: 13,925

Throw Distance	50' (15.24m)	75' (22.86m)	100' (30.48m)	125' (38.1m)	150' (45.72m)	175' (53.34m)	200' (60.96m)
Field Diameter (feet)	6.0	9.17	12.23	15.29	18.35	21.41	24.47
Field Diameter (meters)	1.83	2.80	3.73	4.66	5.59	6.53	7.46
Illuminance (FC)	552.0	245.3	138.0	88.3	61.3	45.1	34.5
Illuminance (LUX)	5941.7	2640.7	1485.4	950.7	660.2	485.0	371.4

AFS-700 LED Follow Spot at 13° (sharp focus)
Delivered beam lumens: 10,099

Throw Distance	50' (15.24m)	75' (22.86m)	100' (30.48m)	125' (38.1m)	150' (45.72m)	175' (53.34m)	200' (60.96m)
Field Diameter (feet)	12.2	18.42	24.56	30.7	36.84	42.97	45.57
Field Diameter (meters)	3.71	5.61	7.49	9.36	11.23	13.10	13.89
Illuminance (FC)	122.9	54.6	30.7	19.7	13.7	10.0	7.7
Illuminance (LUX)	1322.9	587.9	330.7	211.7	147.0	108.0	82.7

Note: Photometrics data on this page taken with 7600K native white LED output (no CTO or color).

ALTMAN
LIGHTING

AFS700 Dimensions

39.75 in. /
1009.7 mm

34.38 in. /
873.3 mm

6.75 in. /
171.5 mm

5.63 in. /
143.0 mm

Ø 6.38 in. /
162.1 mm

Front View

Side View

4.50 in. /
114.3 mm

3.50 in. /
88.9 mm

32.00 in. /
812.8 mm

10.25 in. /
260.4 mm

13.38 in. /
339.9 mm

Rear View

5.75 in. /
146.1 mm

7.88 in. /
200.2 mm

45°

30°

30°

45°

Balancing Point

Ø 4'-0"
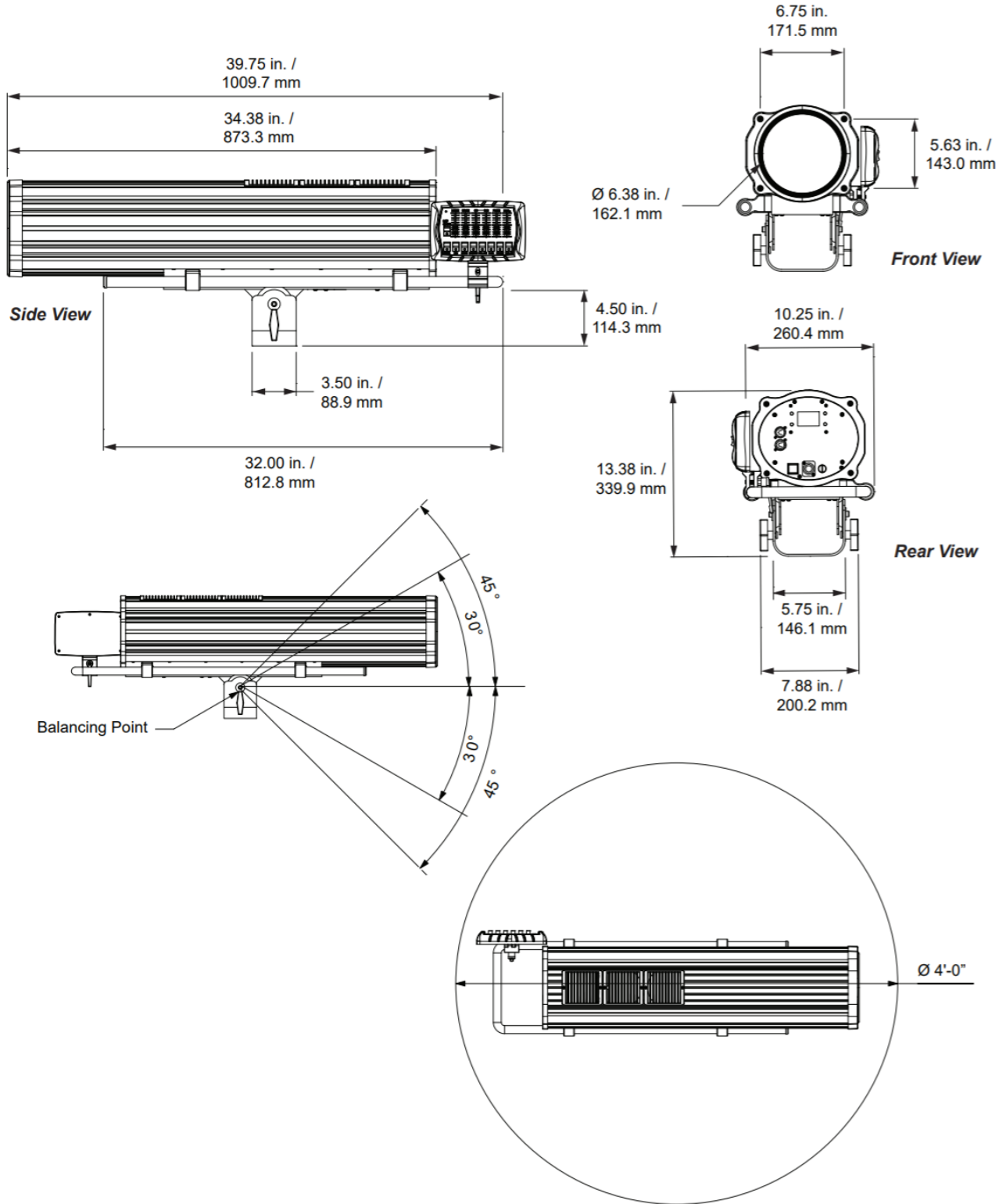
All drawings not to scale.

ALTMAN
LIGHTING

AFS500 Tripod Dimensions

27.1 in. /
68.9 cm

54.3 in. /
137.9 cm

27.2 in. /
69.0 cm

42.9 in. /
109.0 cm *

* Legs fully extended.

5.7 in. /
14.4 cm

43.8 in. /
111.2 cm

ΛLTMAN
L I G H T I N G
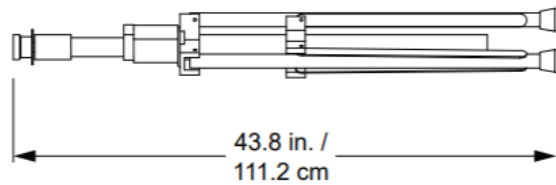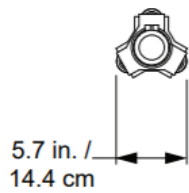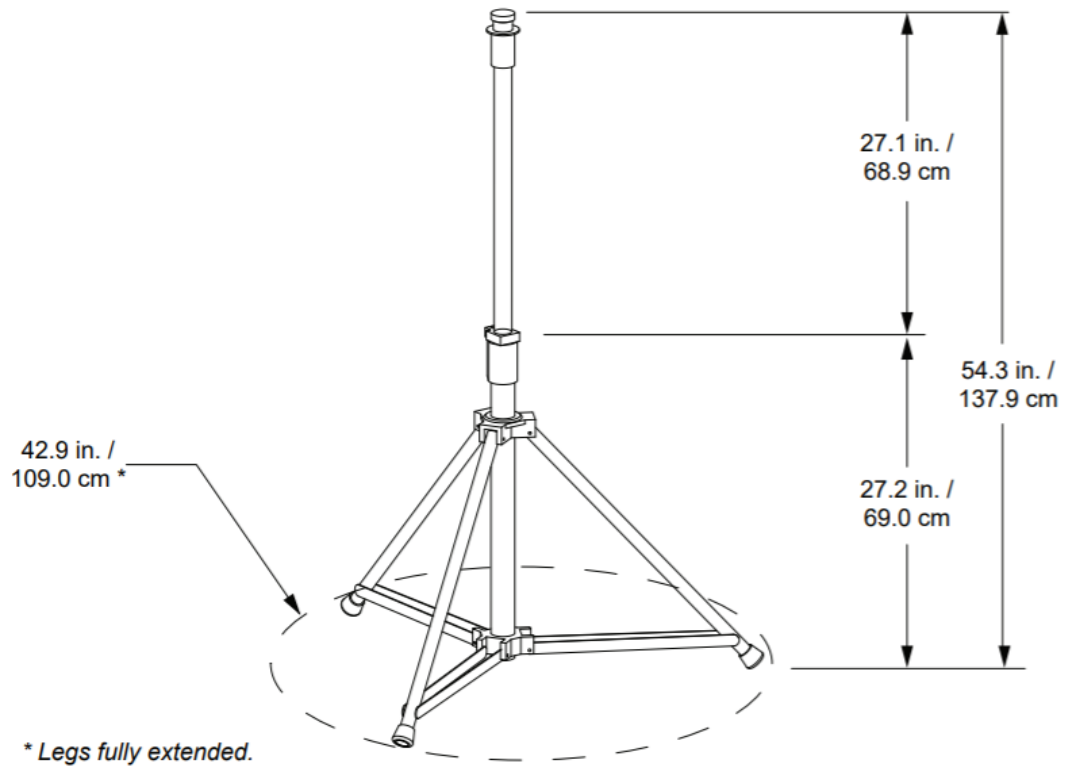
Specifications

Housing:	Extruded and die-cast aluminum construction.
Materials:	Corrosion-resistant materials and hardware
Control:	DMX-512A network or local control via AFS-500 Control Panel (not RDM enabled)
Light Engine:	778 Watt Cool White Array (7600K)
Beam Lumens:	Refer to photometric performance pages
Beam Angle	7° to 13°
Rated LED Life:	LED arrays are rated for > 50,000 hours of operation
Input Voltage:	100 to 240 VAC, 50/60 Hz
Current Draw:	6.48 A at 120VAC / 3.38A at 230VAC
Fuse:	T5A, 250V
Quiescent Load:	Fans on, Lamp off - 0.51A at 120VAC (61.2 Watts)
Environment:	0 to 45 degrees C (32 to 113 degrees F) with humidity of 5%-95% (non-condensing)
Cooling:	Active Fan Cooling: 28dBa (in idle) fans will increase in conjunction with light output up to 37dBa
Weight:	Fixture only: 25.5 lbs (11.5 kg)
	Tripod only: 12 lbs (5.5 kg)
Color:	Black
Compliance:	cETLus listed and CE marked for indoor use
Connectors:	Two 5-pin DMX connectors (one input, one output / through)
DMX Channels:	8
Strobe Rate:	1 to 20 Hz
Warranty:	Five (5) years and one (1) day
Support:	Supported for the life of the product

Ordering Information

AFS-700-B

*Fixture with AFS-700 control panel and tripod stand (AFS-TP). AC power input cable sold separately

Accessories

PCL-BARE-12-25	PowerCON (blue) to bare end, 25-foot (7.62 m) 20A power input cable
PCL-PBG-12-25	PowerCON (blue) to Edison Male, 25-foot (7.62 m) 20A power input cable
PCL-BARE-12-5	PowerCON (blue) to bare end, 5-foot (1.5 m) 20A power input cable
PCL-2P&G-12-5	PowerCON (blue) to Stage Pin Male, 5-foot (1.5 m) 20A power input cable
PCL-PBG-12-5	PowerCON (blue) to Edison Male, 5-foot (1.5 m) 20A power input cable
PCL-TLG-12-5	PowerCON (blue) to L5-20P Twist Lock Male, 5-foot (1.5 m) 20A power input cable
AFS-ACCFF	Altman Follow Spot Accessory Face Frame, 7.5 in. x 7.5 in. color filter front end accessory slot (fits AFS-700 or AFS-500 follow spots)
AFS-ECB	Altman Follow Spot Accessory, external color boomerang (up to 6 colors - requires AFS-ACCFF)
AFS-700-CW6	AFS-700 6 pound counter weight for use with the AFS-ECB. Note: One (1) of the AFS-700-CW6's are recommended for balancing the unit when utilizing the AFS-ECB
AFS-700-CW3	AFS-700 3 pound counter weight for use with the AFS-ECB. Note: Two(2) of the AFS-700-CW3's are recommended for balancing the unit when utilizing the AFS-ECB
AFS-700-BH	AFS-700 rear mounted handle/counterweight for use with the AFS-ECB
AFS-700-HNDL	AFS-700 side mount handle can be mounted anywhere on the frame rail. Side mount handle mounts perpendicular to the frame rail.
AFS-TP	AFS-700 Tripod Stand
AFS-TP-CS	Caster kit for AFS Tripod Stand (Set of 3 Casters)

Note: Accepts standard 7.5-inch accessories in the optional front end accessory holder part number AFS-ACCFF. Accessories and accessory holder sold separately..

Altman Lighting   +1 303 500-7072
1400 East 66th Avenue   sales@altmanlighting.com
Denver, CO 80229 USA   support@altmanlighting.com