



TRAC-MASTER®

Ceramic Metal Halide

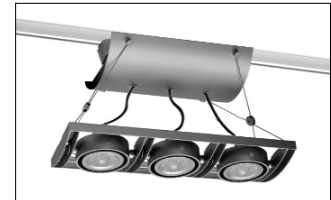
AVIO™ TRAC MOUNTED SERIES

**XT16101, XT16201, XT16301,
XT16401, XT16404**

Project: _____
 Fixture Type: _____
 Location: _____
 Contact/Phone: _____

PRODUCT DESCRIPTION

Trac-mounted AVIO™ combines multi-lamp fixture functionality and aesthetics with a trac-based product that is easy to specify, cost effective to install and simple to reconfigure. AVIO's precision, die-cast frame with curved spanners creates a unique, consistent dropped visual plane of clustered lighting. The dual gimbal lamp mechanism allows full rotation and 45-degree aiming while the frame itself remains horizontal, creating a consistent appearance throughout the space. Specify the open frame for a technical aesthetic or select the optional curved airfoil trims for a more sophisticated sculptural look. Matching surface mount and recessed fixtures are available to enhance AVIO's unique capabilities to transform the appearance of an interior.



- Lamp** 20W or 39W CMH MR16 with integral lens.
- Socket** GX10 twist & lock, PPS • 5kV rated with nickel plated contacts.
- Accessories** Accommodates one 2" accessory.

- Aiming** 45° vertical aiming capability in all directions.
- Ballast** Premium, high efficiency electronic • Provides optimum color stability and CRI uniformity from fixture to fixture • Controlled lamp output ensures stable normal operation maximizing lamp life • Faster hot restrike and lamp warm-up time compared to magnetic ballast • Automatic resetting thermal protection • MOV transient protection • End-of-life shutdown prevents nuisance cycling and flashing.

Construction Precision, one-piece die-cast aluminum grid frame offers premium, consistent aesthetics • Durable die-cast aluminum concentric gimbal rings provides optimum adjustability • Strong, ultra-thin stainless steel cable suspends the lampholder assembly from the trac interface • Die-cast aluminum finial provides fixed cable alignment and fixture stability.

Adapter Copper alloy contacts provide precise spring action - no arcing and will not take a set • True, positive electrical ground • On/off switch included • Patented embossed polarity arrows on bottom of adapter • Spring-loaded positive latch with embossed polarity arrows secures trac light to trac • "Pull-up" contact to up position for two-circuit application.

Labels UL listed, CSA certified.
 Product specifications subject to change without notice.

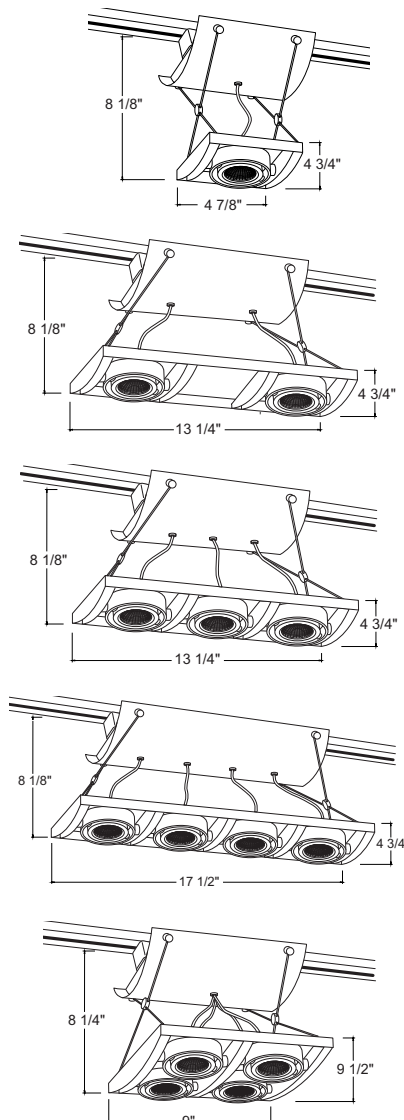
ORDERING INFORMATION Example: XT16301-20H-WH

Fixture Style	Wattage/Lamp	Finish
XT16101 1-Lamp Unit	20H 20W CMH MR16	BL Black
XT16201 2-Lamp Unit	39H 39W CMH MR16	GP Graphite
XT16301 3-Lamp Unit		SL Silver
XT16401 4-Lamp Linear Unit		WH White
XT16404 4-Lamp Quad Unit		

ACCESSORIES

Cat. No.	Description	Cat. No.	Description	Cat. No.	Description
T741-6	Color Filters	T7477	Prismatic Spread Lens	T7478	Linear Spread Lens
T7401-18	Dichroic Lenses	T7420	Diffuse Spread Lens	T7421	Uniformity Lens
T7422	UV Filter Lens	T7459BL	Hexcell Louver		

See specification sheet D1.2.2 for details.



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AVIO™ TRAC MOUNTED SERIES**ENGINEERING DATA (PER LAMP)**

	20W	39W
ANSI #	M-156	M-130
Input Voltage	120V	120V
Input Current	0.20A	0.40A
Input Power	24.5W	45W
Power Factor	>.90	>.90
Lamp Current Crest Factor	<1.4 Typ.	<1.5 Typ.
Ballast Factor	1.0 Typ.	1.0 Typ.
T.H.D.	<20%	<15%
Max. Recommended Ambient		
Operating Temperature	40° C	40° C
EMI	FCC Part 18 Class B	FCC Part 18 Class B
Sound Rating	A	A

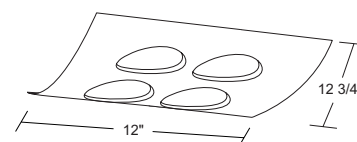
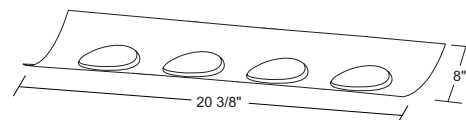
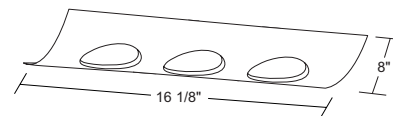
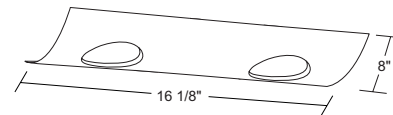
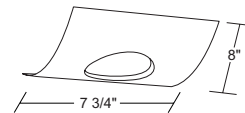
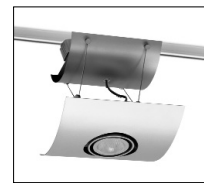
AIRFOIL TRIM PRODUCT DESCRIPTION

One piece snap-in steel construction transforms the AVIO appearance to a more sophisticated, sculpted look. Available in silver, graphite, white and black finishes. Custom paint or laminates may be applied in field. Materials must be rated for temperatures up to 60° C.

Airfoil Trims

Catalog Number	Description	Finish
X16101WH	1-Lamp Airfoil Trim	White
X16101BL	1-Lamp Airfoil Trim	Black
X16101SL	1-Lamp Airfoil Trim	Silver
X16101GP	1-Lamp Airfoil Trim	Graphite
Catalog Number	Description	Finish
X16201WH	2-Lamp Airfoil Trim	White
X16201BL	2-Lamp Airfoil Trim	Black
X16201SL	2-Lamp Airfoil Trim	Silver
X16201GP	2-Lamp Airfoil Trim	Graphite
Catalog Number	Description	Finish
X16301WH	3-Lamp Airfoil Trim	White
X16301BL	3-Lamp Airfoil Trim	Black
X16301SL	3-Lamp Airfoil Trim	Silver
X16301GP	3-Lamp Airfoil Trim	Graphite
Catalog Number	Description	Finish
X16401WH	4-Lamp Linear Airfoil Trim	White
X16401BL	4-Lamp Linear Airfoil Trim	Black
X16401SL	4-Lamp Linear Airfoil Trim	Silver
X16401GP	4-Lamp Linear Airfoil Trim	Graphite
Catalog Number	Description	Finish
X16404WH	4-Lamp Quad Airfoil Trim	White
X16404BL	4-Lamp Quad Airfoil Trim	Black
X16404SL	4-Lamp Quad Airfoil Trim	Silver
X16404GP	4-Lamp Quad Airfoil Trim	Graphite

Order airfoil trims separately.



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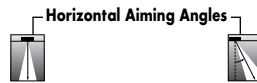
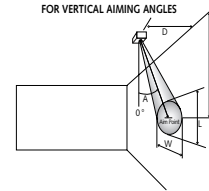
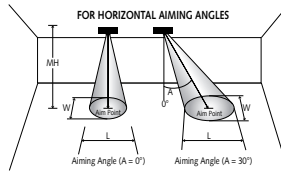
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CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°, 1.732 for 60°).



Lamp	Beam Type	Beam Spread°	Rated Life	CBCP	0°			30°			30°			45°						
					MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
20W MR16 Ceramic Metal Halide 	SP	12°	12000	9000	6	250	1.3	1.3	162	1.7	1.5	4	70	6.9	3.5	1.7	199	4.0	1.7	1.2
					8	141	1.7	1.7	91	2.3	1.9	5	45	8.7	4.3	2.1	127	5.0	2.1	1.5
					10	90	2.1	2.1	58	2.8	2.4	6	31	10.4	5.2	2.5	88	6.0	2.6	1.8
					12	63	2.5	2.5	41	3.4	2.9	7	23	12.1	6.1	2.9	65	7.0	3.0	2.1
	FL	25°	12000	2900	4	181	1.8	1.8	118	2.4	2.0	2	91	3.5	4.2	1.8	256	2.0	1.9	1.3
					6	81	2.7	2.7	52	3.6	3.1	3	40	5.2	6.2	2.7	114	3.0	2.8	1.9
					8	45	3.5	3.5	29	4.8	4.1	4	23	6.9	8.3	3.5	64	4.0	3.7	2.5
					10	29	4.4	4.4	19	6.0	5.1	5	15	8.7	10.4	4.4	41	5.0	4.7	3.1
	WFL	40°	12000	1500	12	20	5.3	5.3	13	7.2	6.1	6	10	10.4	12.5	5.3	28	6.0	5.6	3.8
					4	94	2.9	2.9	61	4.1	3.4	2	47	3.5	9.7	2.9	133	2.0	3.4	2.1
					5	60	3.6	3.6	39	5.1	4.2	3	21	5.2	14.5	4.4	59	3.0	5.0	3.1
					6	42	4.4	4.4	27	6.1	5.0	4	12	6.9	19.3	5.8	33	4.0	6.7	4.1
39W MR16 Ceramic Metal Halide 	SP	12°	10000	16000	8	250	1.7	1.7	162	2.3	1.9	4	125	6.9	3.5	1.7	354	4.0	1.7	1.2
					10	160	2.1	2.1	104	2.8	2.4	6	56	10.4	5.2	2.5	157	6.0	2.6	1.8
					12	111	2.5	2.5	72	3.4	2.9	8	31	13.9	7.0	3.4	88	8.0	3.4	2.4
					14	82	2.9	2.9	53	3.9	3.4	10	20	17.3	8.7	4.2	57	10.0	4.3	3.0
	FL	25°	10000	5500	6	153	2.7	2.7	99	3.6	3.1	2	172	3.5	4.2	1.8	486	2.0	1.9	1.3
					8	86	3.5	3.5	56	4.8	4.1	3	76	5.2	6.2	2.7	216	3.0	2.8	1.9
					10	55	4.4	4.4	36	6.0	5.1	4	43	6.9	8.3	3.5	122	4.0	3.7	2.5
					12	38	5.3	5.3	25	7.2	6.1	5	28	8.7	10.4	4.4	78	5.0	4.7	3.1
	WFL	40°	10000	3000	14	28	6.2	6.2	18	8.4	7.2	6	19	10.4	12.5	5.3	54	6.0	5.6	3.8
					5	120	3.6	3.6	78	5.1	4.2	2	94	3.5	9.7	2.9	265	2.0	3.4	2.1
					6	83	4.4	4.4	54	6.1	5.0	3	42	5.2	14.5	4.4	118	3.0	5.0	3.1
					7	61	5.1	5.1	40	7.1	5.9	4	23	6.9	19.3	5.8	66	4.0	6.7	4.1
8	47	5.8	5.8	30	8.1	6.7	5	15	8.7	24.2	7.3	42	5.0	8.4	5.1					
9	37	6.6	6.6	24	9.1	7.6	6	10	10.4	**	8.7	29	6.0	10.1	6.2					

The beam spread in degrees and the beam "L" and "W" in the following tables are computed at 50% of centerbeam candlepower and represent areas of "effective illumination." **Due to steep aiming angle, length of beam extends beyond 25'.