

PRECISION **MODULES**



ARCHITECTURAL
LIGHTING

PRECISION MODULES

CONTENTS

9" APERTURE

- 1 X 1 NEW CONSTRUCTION..... 4
- 1 X 2 NEW CONSTRUCTION..... 5
- 1 X 3 NEW CONSTRUCTION..... 6
- 1 X 4 NEW CONSTRUCTION..... 7
- 2 X 2 NEW CONSTRUCTION..... 8

7" APERTURE

- 1 X 1 NEW CONSTRUCTION..... 13
- 1 X 1 REMODEL 14
- 1 X 2 NEW CONSTRUCTION..... 15
- 1 X 2 REMODEL 16
- 1 X 3 NEW CONSTRUCTION..... 17
- 1 X 4 NEW CONSTRUCTION..... 18
- 2 X 2 NEW CONSTRUCTION..... 19

4" APERTURE

- 1 X 1 NEW CONSTRUCTION..... 23
- 1 X 1 REMODEL 24
- 1 X 2 NEW CONSTRUCTION..... 25
- 1 X 2 REMODEL 26
- 1 X 3 NEW CONSTRUCTION..... 27
- 1 X 4 NEW CONSTRUCTION..... 28
- 1 X 6 NEW CONSTRUCTION..... 29
- 2 X 2 NEW CONSTRUCTION..... 30



PRECISION MODULES

BRIDGING THE GAP BETWEEN DESIGN & FUNCTION



Precision Modules by **W2 Architectural Lighting** are a professional series recessed multiple lamp luminaires utilizing CDM metal halide, incandescent and low voltage halogen sources. **Precision Modules** are specifically designed for Retail, Commercial and Hospitality applications and feature lockable aiming and adjustability that is accomplished simply and easily.

Precision Modules offer the unique ability to interchange various lamp modules within a single housing. This means a single housing may contain a variety of light sources tailored for specific applications. Each lamp module consists of an aiming and locking device, lamp holder assembly and extension mechanism, providing the ability for superior directional control of each light source. This feature is ideal for retail owners where frequent changes in merchandise are common and lamp maintenance is performed by non-professionals. Re-lamping is accomplished without tools while the luminaire holds its position.

Precision Modules from **W2 Architectural Lighting** provide merchandisers the versatility to implement numerous lighting applications into their display designs by allowing the use of different modules within the same housing.

Module combinations may consist of a single row of lamp modules, up to six modules per row. Double row-four lamp modules (2x2) are also available.

W2 Architectural Lighting's Precision Modules are available with lamp options ranging from high lumen CDM PAR30, PAR38 and T6, Halogen PAR30 and PAR38, low voltage ARI 11, PAR36 and MRI 6 Halogen.

Accessories are easily installed without tools. Up to two accessories may be added to each module without the need for accessory holders or clips. The metal snout shields the lamp glare and may be combined with dichroic or colored lenses. Dichroic lenses offer precise color renditions with negligible lumen depreciation, retain their color for longer life and have superior optical clarity and consistency. Honeycomb and cross blade louvers provide additional glare shielding where necessary.

U.L. listed.

Patent pending

PRECISION MODULES – 9" APERTURE



Precision Modules provide high performance illumination for applications such as retail and hospitality. The modular 9" Series is available in 1x1, 1x2, 1x3, 1x4 and 2x2 sizes, utilizing any combination of CDM T6, CDM PAR30, CDM PAR38 or PAR38 Halogen lamps. The modules are fully extendable and feature a high degree of adjustability along with two locking screws to ensure proper aiming - even during re-lamping. The Precision Module Series provides the flexibility required for today's unique merchandising and accent lighting applications.

The 9" Precision Modules are ideal for applications with high ceilings or where higher levels of illumination are required. The use of CDM T6 and Metal Halide PAR lamps ensure appropriate illumination levels and excellent color rendering.

CDM lamps provide high efficiency, high CRI, and long life. CDM T6 lamp holders are available with narrow or wide beam reflectors. The ability to change only the lamp during re-lamping ensures that lighting consistency is maintained. The added flexibility of selecting CDM PAR lamps offers the end-user the ability to select a variety of beam spreads by simply changing lamps. Halogen PAR38 lamps offer an inexpensive alternative while still providing good quality illumination with a wide variety of available beam spreads.



The Precision Modules are easily maintained. Lamp replacement is accomplished in seconds without affecting aiming and all accessories are held in place within the lens retaining ring. Where applicable, transformers and ballasts are fully accessible from below the ceiling.

All modules are preinstalled at the factory to ensure correct alignment and voltage. They may be ordered individually for custom installations.

Precision Modules have been designed to be easily installed and are U.L. listed for stand alone installation when desired. Housings are U.L. listed for through branch circuit wiring.

Patent pending

PRECISION MODULES – 9" APERTURE



MT9-IXI-N – 9" APERTURE I X I

NEW CONSTRUCTION

CDM-T6, CDM PAR30, CDM PAR38, PAR38



• Housing

Die Formed 20 gauge steel.

Finish: Black.

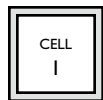
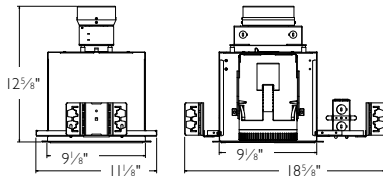
Non-IC rated.

Aperture frame is 16 gauge steel.

Optional white trim provides a finished look.

• Module

Integral lens ring accommodates up to two accessories which may include any combination of a protective lens, louver, effects lens and metal snoot. Module allows 350 degree rotation, 180 degrees vertical adjustment. Each module is retractable and individually aimable with degree indicators to show precise aiming angle. Aiming angles are fixed with two locking screws.



HOUSING ORDERING INSTRUCTIONS

MT9-IXI-N

Example: MT9-IXI-N T

I. Specify Housing as Trim ☐ or Trimless ☐.

9" APERTURE I x I HOUSINGS

DESCRIPTION	ORDERING CODE
I x I New Construction Housing – Trim	MT9-IXI-N ☐
I x I New Construction Housing – Trimless	MT9-IXI-N ☐



39W CDM T6
HID



70W CDM T6
HID



70W CDM PAR30
HID



100W CDM PAR38
HID



100W PAR38
HALOGEN

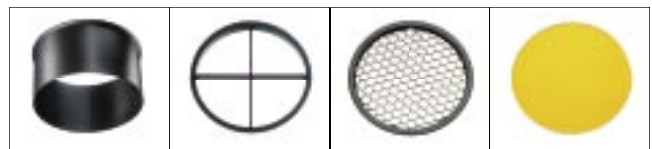
• Electronic Ballast

Metal halide electronic ballasts provide cool and quiet HID lamp operation. These ballasts provide faster hot re-strike and lamp warm up time as compared to standard metal halide ballasts. Electronic ballast provides optimum color uniformity from luminaire to luminaire. Automatic resetting thermal protection. Available in 120v and 277v.

• Accessories

	T6	PAR30	PAR38
Snoot	LENS-40-SNOOT	LENS-111-SNOOT	LENS-38-SNOOT
Louvers			
Cross	LENS-40-CRL	LENS-111-CRL	LENS-38-CRL
Honeycomb	LENS-40-HCL	LENS-111-HCL	LENS-38-HCL
Lenses			
Colored	LENS-40-COLOR	LENS-111-COLOR	LENS-38-COLOR
Dichroic	LENS-40-DIC-COLOR	LENS-111-DIC-COLOR	LENS-38-DIC-COLOR

Specify COLOR AMB (Amber), BLU (Blue), GRN (Green), RED (Red), YEL (Yellow)



MODULE ORDERING INSTRUCTIONS

☐ CONFIG ☐ CELL I ☐ VOLTAGE

Example: Same ☐ ☐ T70W ☐ 120v

1. Specify Configuration: All cells ☐ Same.
2. Specify Module in cells: Refer to chart below for module ordering code
3. Specify Voltage: ☐ 120 volts or ☐ 277 volts

9" APERTURE LAMP MODULES

DESCRIPTION	CAT NO	ORDERING CODE	VOLTAGE 120 / 277
39w CDM-T6 10° Narrow	MT-CDMT6-35N	T35N	☐ / ☐
39w CDM-T6 40° Wide	MT-CDMT6-35W	T35W	☐ / ☐
70w CDM-T6 10° Narrow	MT-CDMT6-70N	T70N	☐ / ☐
70w CDM-T6 40° Wide	MT-CDMT6-70W	T70W	☐ / ☐
70w CDM PAR30	MT-CDMPAR30-70	CR30	☐ / ☐
100w CDM PAR38	MT-CDMPAR38-100	CR38	☐ / ☐
100w PAR38 HALOGEN	MT-PAR38	PR38	☐

MT9-1X2-N – 9" APERTURE 1 X 2

NEW CONSTRUCTION

CDM-T6, CDM PAR30, CDM PAR38, PAR38



• Housing

Die Formed 20 gauge steel.

Finish: Black.

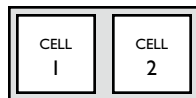
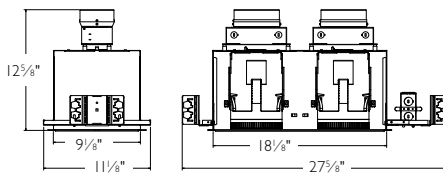
Non-IC rated.

Aperture frame is 16 gauge steel.

Optional white trim provides a finished look.

• Module

Integral lens ring accommodates up to two accessories which may include any combination of a protective lens, louver, effects lens and metal snoot. Module allows 350 degree rotation, 180 degrees vertical adjustment. Each module is retractable and individually aimable with degree indicators to show precise aiming angle. Aiming angles are fixed with two locking screws.



HOUSING ORDERING INSTRUCTIONS

MT9-1X2-N

Example: MT9-1X2-N T

I. Specify Housing as Trim ☐ or Trimless ☐.

9" APERTURE 1 x 2 HOUSINGS

DESCRIPTION	ORDERING CODE
1 x 2 New Construction Housing – Trim	MT9-1X2-N ☐
1 x 2 New Construction Housing – Trimless	MT9-1X2-N ☐



39W CDM T6
HID



70W CDM T6
HID



70W CDM PAR30
HID



100W CDM PAR38
HID



100W PAR38
HALOGEN

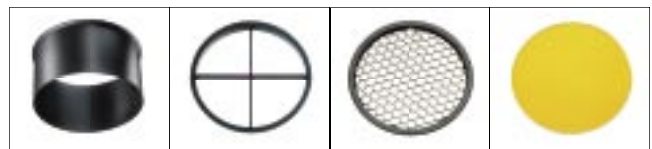
• Electronic Ballast

Metal halide electronic ballasts provide cool and quiet HID lamp operation. These ballasts provide faster hot re-strike and lamp warm up time as compared to standard metal halide ballasts. Electronic ballast provides optimum color uniformity from luminaire to luminaire. Automatic resetting thermal protection. Available in 120v and 277v.

• Accessories

	T6	PAR30	PAR38
Snoot	LENS-40-SNOOT	LENS-111-SNOOT	LENS-38-SNOOT
Louvers			
Cross	LENS-40-CRL	LENS-111-CRL	LENS-38-CRL
Honeycomb	LENS-40-HCL	LENS-111-HCL	LENS-38-HCL
Lenses			
Colored	LENS-40-COLOR	LENS-111-COLOR	LENS-38-COLOR
Dichroic	LENS-40-DIC-COLOR	LENS-111-DIC-COLOR	LENS-38-DIC-COLOR

Specify COLOR AMB (Amber), BLU (Blue), GRN (Green), RED (Red), YEL (Yellow)



MODULE ORDERING INSTRUCTIONS

CONFIG CELL1 CELL2 VOLTAGE

Example: Mixed ☐ ☐ ☐ ☐ 120v

Example: Same ☐ ☐ ☐ 277v

1. Specify Configuration: ☐ Mixed or all cells ☐ Same.

2. Specify Module in cells: Refer to chart below for module ordering code

3. Specify Voltage: ☐ 120 volts or ☐ 277 volts

9" APERTURE LAMP MODULES

DESCRIPTION	CAT NO	ORDERING CODE	VOLTAGE 120 / 277
39w CDM-T6 10° Narrow	MT-CDMT6-35N	T35N	☐ / ☐
39w CDM-T6 40° Wide	MT-CDMT6-35W	T35W	☐ / ☐
70w CDM-T6 10° Narrow	MT-CDMT6-70N	T70N	☐ / ☐
70w CDM-T6 40° Wide	MT-CDMT6-70W	T70W	☐ / ☐
70w CDM PAR30	MT-CDMPAR30-70	CR30	☐ / ☐
100w CDM PAR38	MT-CDMPAR38-100	CR38	☐ / ☐
100w PAR38 HALOGEN	MT-PAR38	PR38	☐

MT9-IX3-N – 9" APERTURE I X 3

NEW CONSTRUCTION

CDM-T6, CDM PAR30, CDM PAR38, PAR38



• Housing

Die Formed 20 gauge steel.

Finish: Black.

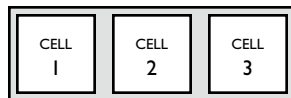
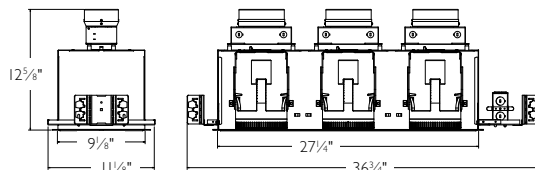
Non-IC rated.

Aperture frame is 16 gauge steel.

Optional white trim provides a finished look.

• Module

Integral lens ring accommodates up to two accessories which may include any combination of a protective lens, louver, effects lens and metal snoot. Module allows 350 degree rotation, 180 degrees vertical adjustment. Each module is retractable and individually aimable with degree indicators to show precise aiming angle. Aiming angles are fixed with two locking screws.



HOUSING ORDERING INSTRUCTIONS

MT9-IX3-N

Example: MT9-IX3-N T

I. Specify Housing as Trim ☐ or Trimless ☐.

9" APERTURE I x 3 HOUSINGS

DESCRIPTION	ORDERING CODE
I x 3 New Construction Housing – Trim	MT9-IX3-N ☐
I x 3 New Construction Housing – Trimless	MT9-IX3-N ☐



39W CDM T6
HID



70W CDM T6
HID



70W CDM PAR30
HID



100W CDM PAR38
HID



100W PAR38
HALOGEN

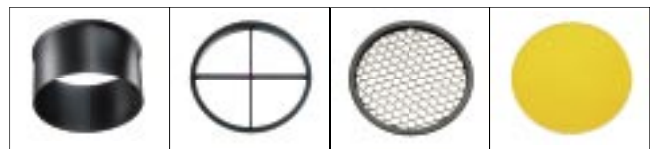
• Electronic Ballast

Metal halide electronic ballasts provide cool and quiet HID lamp operation. These ballasts provide faster hot re-strike and lamp warm up time as compared to standard metal halide ballasts. Electronic ballast provides optimum color uniformity from luminaire to luminaire. Automatic resetting thermal protection. Available in 120v and 277v.

• Accessories

	T6	PAR30	PAR38
Snoot	LENS-40-SNOOT	LENS-111-SNOOT	LENS-38-SNOOT
Louvers			
Cross	LENS-40-CRL	LENS-111-CRL	LENS-38-CRL
Honeycomb	LENS-40-HCL	LENS-111-HCL	LENS-38-HCL
Lenses			
Colored	LENS-40-COLOR	LENS-111-COLOR	LENS-38-COLOR
Dichroic	LENS-40-DIC-COLOR	LENS-111-DIC-COLOR	LENS-38-DIC-COLOR

Specify COLOR AMB (Amber), BLU (Blue), GRN (Green), RED (Red), YEL (Yellow)



MODULE ORDERING INSTRUCTIONS

☐ CONFIG
 ☐ CELL1
 ☐ CELL2
 ☐ CELL3
 ☐ VOLTAGE

Example: Mixed ☐ M ☐ T70W ☐ T35N ☐ T70W ☐ F 277v

Example: Same ☐ S ☐ PR38 ☐ G 120v

1. Specify Configuration: ☐ M Mixed or all cells ☐ S Same.

2. Specify Module in cells: Refer to chart below for module ordering code

3. Specify Voltage: ☐ G 120 volts or ☐ F 277 volts

9" APERTURE LAMP MODULES

DESCRIPTION	CAT NO	ORDERING CODE	VOLTAGE 120 / 277
39w CDM-T6 10° Narrow	MT-CDMT6-35N	T35N	☐ G / ☐ F
39w CDM-T6 40° Wide	MT-CDMT6-35W	T35W	☐ G / ☐ F
70w CDM-T6 10° Narrow	MT-CDMT6-70N	T70N	☐ G / ☐ F
70w CDM-T6 40° Wide	MT-CDMT6-70W	T70W	☐ G / ☐ F
70w CDM PAR30	MT-CDMPAR30-70	CR30	☐ G / ☐ F
100w CDM PAR38	MT-CDMPAR38-100	CR38	☐ G / ☐ F
100w PAR38 HALOGEN	MT-PAR38	PR38	☐ G

MT9-IX4-N – 9" APERTURE I X 4

NEW CONSTRUCTION

CDM-T6, CDM PAR30, CDM PAR38, PAR38



39W CDM T6
HID



70W CDM T6
HID



70W CDM PAR30
HID



100W CDM PAR38
HID



100W PAR38
HALOGEN

• Housing

Die Formed 20 gauge steel.

Finish: Black.

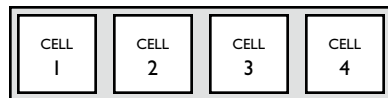
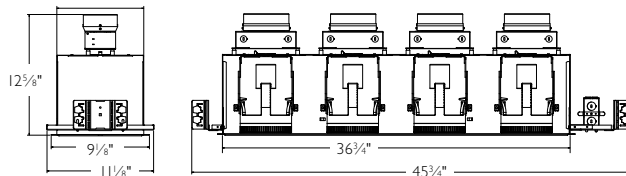
Non-IC rated.

Aperture frame is 16 gauge steel.

Optional white trim provides a finished look.

• Module

Integral lens ring accommodates up to two accessories which may include any combination of a protective lens, louver, effects lens and metal snoot. Module allows 350 degree rotation, 180 degrees vertical adjustment. Each module is retractable and individually aimable with degree indicators to show precise aiming angle. Aiming angles are fixed with two locking screws.



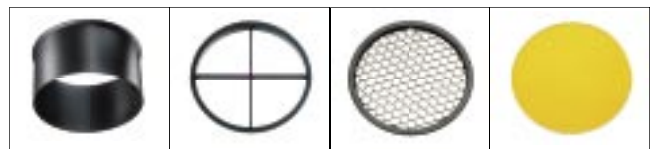
• Electronic Ballast

Metal halide electronic ballasts provide cool and quiet HID lamp operation. These ballasts provide faster hot re-strike and lamp warm up time as compared to standard metal halide ballasts. Electronic ballast provides optimum color uniformity from luminaire to luminaire. Automatic resetting thermal protection. Available in 120v and 277v.

• Accessories

	T6	PAR30	PAR38
Snoot	LENS-40-SNOOT	LENS-111-SNOOT	LENS-38-SNOOT
Louvers			
Cross	LENS-40-CRL	LENS-111-CRL	LENS-38-CRL
Honeycomb	LENS-40-HCL	LENS-111-HCL	LENS-38-HCL
Lenses			
Colored	LENS-40-COLOR	LENS-111-COLOR	LENS-38-COLOR
Dichroic	LENS-40-DIC-COLOR	LENS-111-DIC-COLOR	LENS-38-DIC-COLOR

Specify COLOR AMB (Amber), BLU (Blue), GRN (Green), RED (Red), YEL (Yellow)



HOUSING ORDERING INSTRUCTIONS

MT9-IX4-N

Example: MT9-IX4-N T

I. Specify Housing as Trim ☐ or Trimless ☐.

MODULE ORDERING INSTRUCTIONS

CONFIG CELL1 CELL2 CELL3 CELL4 VOLTAGE

Example: Mixed ☐ M ☐ T70W ☐ T35W ☐ PR38 ☐ PR38 ☐ G 120v

Example: Same ☐ S ☐ T70W ☐ F 277v

1. Specify Configuration: ☐ M Mixed or all cells ☐ S Same.

2. Specify Module in cells: Refer to chart below for module ordering code

3. Specify Voltage: ☐ G 120 volts or ☐ F 277 volts

9" APERTURE I x 4 HOUSINGS

DESCRIPTION	ORDERING CODE
I x 4 New Construction Housing – Trim	MT9-IX4-N ☐ T
I x 4 New Construction Housing – Trimless	MT9-IX4-N ☐ O

9" APERTURE LAMP MODULES

DESCRIPTION	CAT NO	ORDERING CODE	VOLTAGE 120 / 277
39w CDM-T6 10° Narrow	MT-CDMT6-35N	T35N	☐ G / ☐ F
39w CDM-T6 40° Wide	MT-CDMT6-35W	T35W	☐ G / ☐ F
70w CDM-T6 10° Narrow	MT-CDMT6-70N	T70N	☐ G / ☐ F
70w CDM-T6 40° Wide	MT-CDMT6-70W	T70W	☐ G / ☐ F
70w CDM PAR30	MT-CDMPAR30-70	CR30	☐ G / ☐ F
100w CDM PAR38	MT-CDMPAR38-100	CR38	☐ G / ☐ F
100w PAR38 HALOGEN	MT-PAR38	PR38	☐ G

MT9-2X2-N – 9" APERTURE 2 X 2

NEW CONSTRUCTION

CDM-T6, CDM PAR30, CDM PAR38, PAR38



• Housing

Die Formed 20 gauge steel.

Finish: Black.

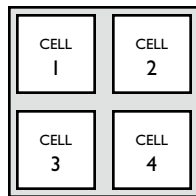
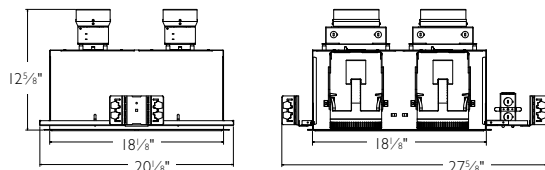
Non-IC rated.

Aperture frame is 16 gauge steel.

Optional white trim provides a finished look.

• Module

Integral lens ring accommodates up to two accessories which may include any combination of a protective lens, louver, effects lens and metal snoot. Module allows 350 degree rotation, 180 degrees vertical adjustment. Each module is retractable and individually aimable with degree indicators to show precise aiming angle. Aiming angles are fixed with two locking screws.



HOUSING ORDERING INSTRUCTIONS

MT9-2X2-N

Example: MT9-2X2-N T

I. Specify Housing as Trim ☐ or Trimless ☐.

9" APERTURE 2 x 2 HOUSINGS

DESCRIPTION	ORDERING CODE
2 x 2 New Construction Housing – Trim	MT9-2X2-N ☐
2 x 2 New Construction Housing – Trimless	MT9-2X2-N ☐



39W CDM T6
HID



70W CDM T6
HID



70W CDM PAR30
HID



100W CDM PAR38
HID



100W PAR38
HALOGEN

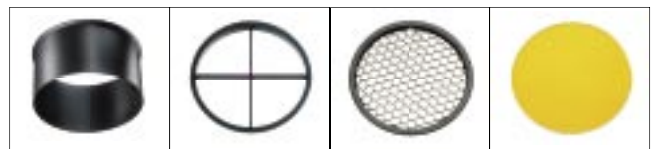
• Electronic Ballast

Metal halide electronic ballasts provide cool and quiet HID lamp operation. These ballasts provide faster hot re-strike and lamp warm up time as compared to standard metal halide ballasts. Electronic ballast provides optimum color uniformity from luminaire to luminaire. Automatic resetting thermal protection. Available in 120v and 277v.

• Accessories

	T6	PAR30	PAR38
Snoot	LENS-40-SNOOT	LENS-111-SNOOT	LENS-38-SNOOT
Louvers			
Cross	LENS-40-CRL	LENS-111-CRL	LENS-38-CRL
Honeycomb	LENS-40-HCL	LENS-111-HCL	LENS-38-HCL
Lenses			
Colored	LENS-40-COLOR	LENS-111-COLOR	LENS-38-COLOR
Dichroic	LENS-40-DIC-COLOR	LENS-111-DIC-COLOR	LENS-38-DIC-COLOR

Specify COLOR AMB (Amber), BLU (Blue), GRN (Green), RED (Red), YEL (Yellow)



MODULE ORDERING INSTRUCTIONS

☐ CONFIG
 ☐ CELL1
 ☐ CELL2
 ☐ CELL3
 ☐ CELL4
 ☐ VOLTAGE

Example: Mixed ☐ M ☐ T70W ☐ T35W ☐ T70W ☐ T35W ☐ G 120v

Example: Same ☐ S ☐ T70W ☐ F 277v

1. Specify Configuration: ☐ M Mixed or all cells ☐ S Same.

2. Specify Module in cells: Refer to chart below for module ordering code

3. Specify Voltage: ☐ G 120 volts or ☐ F 277 volts

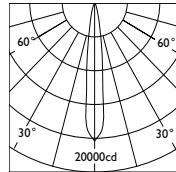
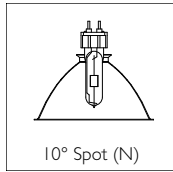
9" APERTURE LAMP MODULES

DESCRIPTION	CAT NO	ORDERING CODE	VOLTAGE 120 / 277
39w CDM-T6 10° Narrow	MT-CDMT6-35N	T35N	☐ G / ☐ F
39w CDM-T6 40° Wide	MT-CDMT6-35W	T35W	☐ G / ☐ F
70w CDM-T6 10° Narrow	MT-CDMT6-70N	T70N	☐ G / ☐ F
70w CDM-T6 40° Wide	MT-CDMT6-70W	T70W	☐ G / ☐ F
70w CDM PAR30	MT-CDMPAR30-70	CR30	☐ G / ☐ F
100w CDM PAR38	MT-CDMPAR38-100	CR38	☐ G / ☐ F
100w PAR38 HALOGEN	MT-PAR38	PR38	☐ G

PRECISION MODULES – 9" APERTURE

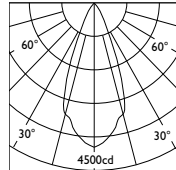
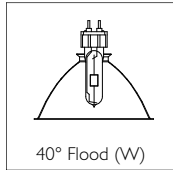


39W CDM T6 G12



0° AIMING ANGLE			
d (ft)	fc	w	l
3	1816	0'10"	0'10"
6	454	1'7"	1'7"
9	202	2'5"	2'5"
12	113	3'2"	3'2"
15	73	3'11"	3'11"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	642	1'1"	1'7"
6	160	2'2"	3'2"
9	71	3'5"	4'10"
12	40	4'6"	6'5"
15	26	5'7"	8'0"

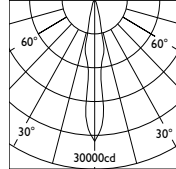
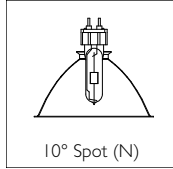


0° AIMING ANGLE			
d (ft)	fc	w	l
3	430	2'2"	2'2"
6	108	4'5"	4'5"
9	48	6'7"	6'7"
12	27	8'8"	8'8"
15	17	10'11"	10'11"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	152	3'1"	5'0"
6	38	6'2"	10'1"
9	17	9'4"	15'1"
12	10	12'5"	20'1"
15	6	15'5"	25'2"

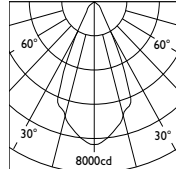
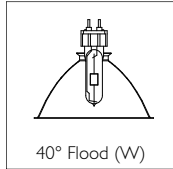


70W CDM T6 G12



0° AIMING ANGLE			
d (ft)	fc	w	l
3	2783	0'10"	0'10"
6	696	1'7"	1'7"
9	309	2'5"	2'5"
12	174	3'2"	3'2"
15	111	3'11"	3'11"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	984	1'1"	1'7"
6	246	2'2"	3'2"
9	109	3'5"	4'10"
12	62	4'6"	6'5"
15	39	5'7"	8'0"



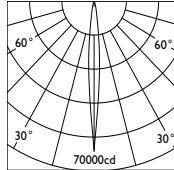
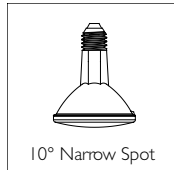
0° AIMING ANGLE			
d (ft)	fc	w	l
3	742	2'2"	2'2"
6	186	4'5"	4'5"
9	82	6'7"	6'7"
12	42	8'8"	8'8"
15	30	10'11"	10'11"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	262	3'1"	5'0"
6	66	6'2"	10'1"
9	29	9'4"	15'1"
12	16	12'5"	20'1"
15	10	15'5"	25'2"

PRECISION MODULES – 9" APERTURE

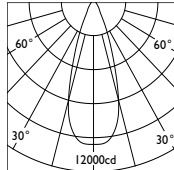
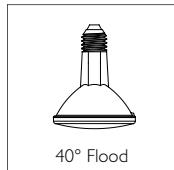


70W CDM PAR30 HID



0° AIMING ANGLE			
d (ft)	fc	w	l
3	7111	0'5"	0'5"
6	1778	0'10"	0'10"
9	790	1'3"	1'3"
12	444	1'8"	1'8"
15	284	2'1"	2'1"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	2514	0'7"	0'10"
6	629	1'2"	1'8"
9	279	1'9"	2'6"
12	157	2'4"	3'4"
15	101	3'0"	4'3"

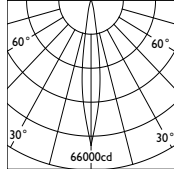
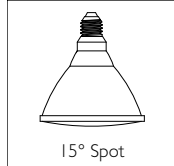


0° AIMING ANGLE			
d (ft)	fc	w	l
3	1111	1'11"	1'11"
6	278	3'9"	3'9"
9	123	5'8"	5'8"
12	69	7'7"	7'7"
15	44	9'6"	9'6"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	393	2'8"	4'2"
6	98	5'4"	8'5"
9	44	8'0"	12'7"
12	25	10'8"	16'10"
15	16	13'5"	21'0"

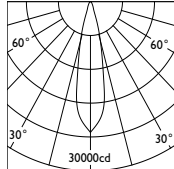


100W CDM PAR38 HID



0° AIMING ANGLE			
d (ft)	fc	w	l
3	6264	0'8"	0'8"
6	1566	1'3"	1'3"
9	696	1'11"	1'11"
12	392	2'6"	2'6"
15	251	3'2"	3'2"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	2215	0'11"	1'3"
6	554	1'9"	2'7"
9	246	2'8"	3'10"
12	138	3'7"	5'1"
15	89	4'6"	6'5"

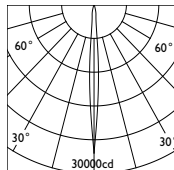


0° AIMING ANGLE			
d (ft)	fc	w	l
3	2576	1'4"	1'4"
6	644	2'8"	2'8"
9	286	4'0"	4'0"
12	161	5'4"	5'4"
15	103	6'8"	6'8"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	911	1'11"	2'10"
6	228	3'9"	5'7"
9	101	5'8"	8'5"
12	57	7'6"	11'2"
15	36	9'5"	14'0"

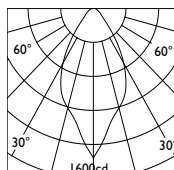


90W PAR38 HALOGEN



0° AIMING ANGLE			
d (ft)	fc	w	l
3	2929	0'8"	0'8"
6	732	1'3"	1'3"
9	325	1'11"	1'11"
12	183	2'6"	2'6"
15	117	3'2"	3'2"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	1035	0'11"	1'3"
6	259	1'9"	2'7"
9	115	2'8"	3'10"
12	65	3'7"	5'1"
15	41	4'6"	6'5"



0° AIMING ANGLE			
d (ft)	fc	w	l
3	156	3'6"	3'6"
6	39	6'11"	6'11"
9	17	10'5"	10'5"
12	10	13'10"	13'10"
15	6	17'4"	17'4"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	55	4'11"	10'5"
6	14	9'10"	20'9"
9	6	14'8"	31'2"
12	3	19'7"	41'7"
15	2	24'6"	50'0"

PRECISION MODULES – 7" APERTURE



The high performance Precision Module 7" Series is available in 1x1, 1x2, 1x3, 1x4 and 2x2 sizes, utilizing any combination of ARI II, PAR36, and PAR30 Halogen modules. The modules are fully extendable and feature a high degree of adjustability along with two locking screws to ensure proper aiming - even during re-lamping. The Precision Module Series provides the flexibility required for today's unique merchandising and accent lighting applications.

The 7" Precision Modules have all the quality and functionality of the 9" Series and in addition the 1x1 and 1x2 are available in remodel versions. Utilization of ARI II lamps provides the precise beam control afforded by these halogen lamps. PAR36 lamps provide a wide range of beam spreads and patterns for unique applications. Halogen PAR30 lamps offer good quality illumination for general lighting and budgetary concerns. The flexibility of combination lamping means the specifier can design each luminaire to best fit the application.



The Precision Module Series features easy maintenance. Lamp replacement is accomplished in seconds without affecting aiming and all lens accessories are held in place. Where applicable, transformers are fully accessible from below the ceiling.

All modules are preinstalled at the factory to ensure correct alignment and voltage. They may be ordered individually for custom installations.

Precision Modules have been designed to be easily installed and are U.L. listed for stand alone installation when desired. Housings are U.L. listed for through branch circuit wiring.

Patent pending.

PRECISION MODULES – 7" APERTURE



MT7-IXI-N – 7" APERTURE I X I

NEW CONSTRUCTION

AR111, PAR36, PAR30



75W AR111
HALOGEN



50W PAR36
HALOGEN



75W PAR30
HALOGEN

- Housing**

Die Formed 20 gauge steel.

Finish: Black.

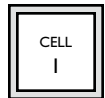
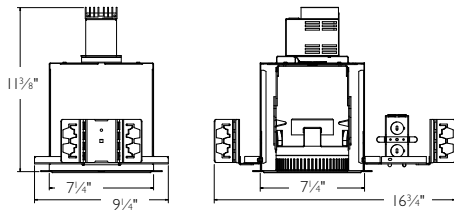
Non-IC rated.

Aperture frame is 16 gauge steel.

Optional white trim provides a finished look.

- Module**

Integral lens ring accommodates up to two accessories which may include any combination of a protective lens, louver, effects lens and metal snoot. Module allows 350 degree rotation, 180 degrees vertical adjustment. Each module is retractable and individually aimable with degree indicators to show precise aiming angle. Aiming angles are fixed with two locking screws.



- Electronic Transformer – AR111 & PAR36**

Premium, advanced technology electronic transformers feature autoreset, soft starting, short-circuit protection, quiet operation and consistent voltage. Modules are dimmable when used with 35w to 75w lamps.

- Accessories**

Snoot LENS-111-SNOOT

Louvers

Cross LENS-111-CRL

Honeycomb LENS-111-HCL

Lenses

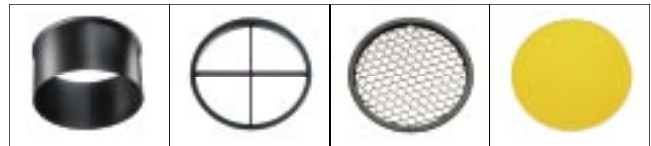
Colored LENS-111-COLOR

Dichroic LENS-111-DIC-COLOR

Specify COLOR AMB (Amber), BLU (Blue), GRN (Green), RED (Red), YEL (Yellow)

Example

LENS-111-AMB



HOUSING ORDERING INSTRUCTIONS

MT7-IXI-N

Example: MT7-IXI-N T

I. Specify Housing as Trim T or Trimless O.

MODULE ORDERING INSTRUCTIONS

CONFIG CELL VOLTAGE

Example: Same S PAR30 G 120v

- Specify Configuration: All cells S Same.
- Specify Module in cells: Refer to chart below for module ordering code
- Input Voltage: G 120 volts

7" APERTURE I x I HOUSINGS

DESCRIPTION	ORDERING CODE
I x I New Construction Housing – Trim	MT7-IXI-N T
I x I New Construction Housing – Trimless	MT7-IXI-N O

7" APERTURE LAMP MODULES

DESCRIPTION	CAT NO	ORDERING CODE	INPUT 120v
75w max. AR111 (12v)	MT-AR111	AR11	G
50w max. PAR36 (12v)	MT-AR111	AR11	G
75w max. PAR30 (120v)	MT-PAR30	PR30	G

MT7-IXI-R – 7" APERTURE

I X I

REMODEL

AR111, PAR36, PAR30



• Housing

Die Formed 20 gauge steel.

Finish: Black.

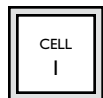
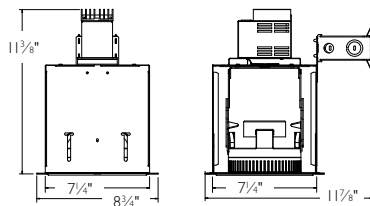
Non-IC rated.

Aperture frame is 16 gauge steel.

Optional white trim provides a finished look.

• Module

Integral lens ring accommodates up to two accessories which may include any combination of a protective lens, louver, effects lens and metal snoot. Module allows 350 degree rotation, 180 degrees vertical adjustment. Each module is retractable and individually aimable with degree indicators to show precise aiming angle. Aiming angles are fixed with two locking screws.



HOUSING ORDERING INSTRUCTIONS

MT7-IXI-R□

Example: MT7-IXI-R T

I. Specify Housing as Trim ☐ or Trimless ☐.



75W AR111
HALOGEN



50W PAR36
HALOGEN



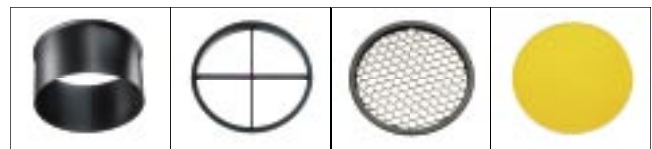
75W PAR30
HALOGEN

• Electronic Transformer – AR111 & PAR36

Premium, advanced technology electronic transformers feature autoreset, soft starting, short-circuit protection, quiet operation and consistent voltage. Modules are dimmable when used with 35w to 75w lamps.

• Accessories

Snoot	LENS-111-SNOOT
Cross Louver	LENS-111-CRL
Honeycomb Louver	LENS-111-HCL
Colored Lenses	LENS-111-COLOR
Dichroic Lenses	LENS-111-DIC-COLOR
Specify COLOR	AMB (Amber), BLU (Blue), GRN (Green), RED (Red), YEL (Yellow)
Example	LENS-111-AMB



MODULE ORDERING INSTRUCTIONS

☐ CONFIG ☐ CELL I ☐ VOLTAGE

Example: Same ☐ ☐ ☐ 120v

1. Specify Configuration: All cells ☐ Same.
2. Specify Module in cells: Refer to chart below for module ordering code
3. Input Voltage: ☐ 120 volts

7" APERTURE I x I HOUSINGS

DESCRIPTION	ORDERING CODE
I x I Remodel Housing – Trim	MT7-IXI-R ☐
I x I Remodel Housing – Trimless	MT7-IXI-R ☐

7" APERTURE LAMP MODULES

DESCRIPTION	CAT NO	ORDERING CODE	INPUT 120v
75w max. AR111 (12v)	MT-AR111	AR11	G
50w max. PAR36 (12v)	MT-AR111	AR11	G
75w max. PAR30 (120v)	MT-PAR30	PR30	G

MT7-1X2-N – 7" APERTURE 1 X 2

NEW CONSTRUCTION

AR111, PAR36, PAR30



75W AR111
HALOGEN



50W PAR36
HALOGEN



75W PAR30
HALOGEN

- Housing**

Die Formed 20 gauge steel.

Finish: Black.

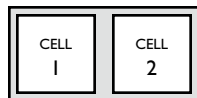
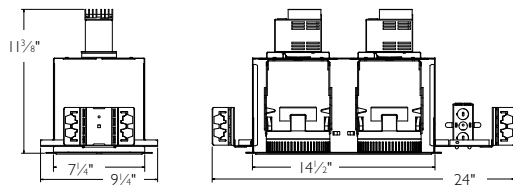
Non-IC rated.

Aperture frame is 16 gauge steel.

Optional white trim provides a finished look.

- Module**

Integral lens ring accommodates up to two accessories which may include any combination of a protective lens, louver, effects lens and metal snoot. Module allows 350 degree rotation, 180 degrees vertical adjustment. Each module is retractable and individually aimable with degree indicators to show precise aiming angle. Aiming angles are fixed with two locking screws.

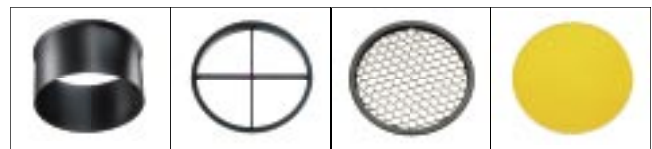


- Electronic Transformer – AR111 & PAR36**

Premium, advanced technology electronic transformers feature autoreset, soft starting, short-circuit protection, quiet operation and consistent voltage. Modules are dimmable when used with 35w to 75w lamps.

- Accessories**

Snoot	LENS-111-SNOOT
Cross Louver	LENS-111-CRL
Honeycomb Louver	LENS-111-HCL
Colored Lenses	LENS-111-COLOR
Dichroic Lenses	LENS-111-DIC-COLOR
Specify COLOR	AMB (Amber), BLU (Blue), GRN (Green), RED (Red), YEL (Yellow)
Example	LENS-111-AMB



HOUSING ORDERING INSTRUCTIONS

MT7-1X2-N□

Example: MT7-1X2-N T

1. Specify Housing as Trim ☐ or Trimless ☐.

MODULE ORDERING INSTRUCTIONS

☐ CONFIG ☐ CELL1 ☐ CELL2 ☐ VOLTAGE

Example: Mixed ☐ M ☐ AR111 ☐ PR30 ☐ G 120v

Example: Same ☐ S ☐ PR30 ☐ G 120v

1. Specify Configuration: ☐ M Mixed or all cells ☐ S Same.

2. Specify Module in cells: Refer to chart below for module ordering code

3. Input Voltage: ☐ G 120 volts

7" APERTURE 1 x 2 HOUSINGS

DESCRIPTION	ORDERING CODE
1 x 2 New Construction Housing – Trim	MT7-1X2-N ☐ T
1 x 2 New Construction Housing – Trimless	MT7-1X2-N ☐ O

7" APERTURE LAMP MODULES

DESCRIPTION	CAT NO	ORDERING CODE	INPUT 120v
75w max. AR111 (12v)	MT-AR111	AR11	G
50w max. PAR36 (12v)	MT-AR111	AR11	G
75w max. PAR30 (120v)	MT-PAR30	PR30	G

MT7-IX2-R – 7" APERTURE

1 X 2

REMODEL

AR111, PAR36, PAR30



Housing

Die Formed 20 gauge steel.

Finish: Black.

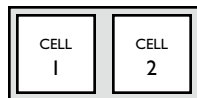
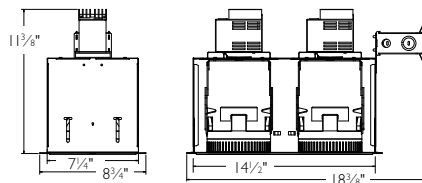
Non-IC rated.

Aperture frame is 16 gauge steel.

Optional white trim provides a finished look.

Module

Integral lens ring accommodates up to two accessories which may include any combination of a protective lens, louver, effects lens and metal snoot. Module allows 350 degree rotation, 180 degrees vertical adjustment. Each module is retractable and individually aimable with degree indicators to show precise aiming angle. Aiming angles are fixed with two locking screws.



HOUSING ORDERING INSTRUCTIONS

MT7-IX2-R

Example: MT7-IX2-R T

1. Specify Housing as Trim ☐ or Trimless ☐.



75W AR111
HALOGEN



50W PAR36
HALOGEN



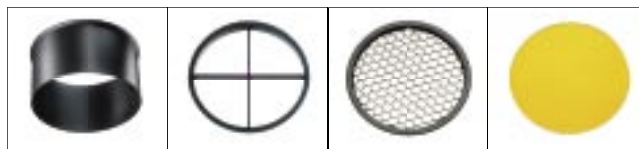
75W PAR30
HALOGEN

Electronic Transformer – AR111 & PAR36

Premium, advanced technology electronic transformers feature autoreset, soft starting, short-circuit protection, quiet operation and consistent voltage. Modules are dimmable when used with 35w to 75w lamps.

Accessories

Snoot	LENS-111-SNOOT
Cross Louver	LENS-111-CRL
Honeycomb Louver	LENS-111-HCL
Colored Lenses	LENS-111-COLOR
Dichroic Lenses	LENS-111-DIC-COLOR
Specify COLOR	AMB (Amber), BLU (Blue), GRN (Green), RED (Red), YEL (Yellow)
Example	LENS-111-AMB



MODULE ORDERING INSTRUCTIONS

CONFIG CELL1 CELL2 VOLTAGE

Example: Mixed ☐ M ☐ AR111 ☐ PR30 ☐ G 120v

Example: Same ☐ S ☐ PR30 ☐ G 120v

1. Specify Configuration: ☐ M Mixed or all cells ☐ S Same.

2. Specify Module in cells: Refer to chart below for module ordering code

3. Input Voltage: ☐ G 120 volts

7" APERTURE 1 x 2 HOUSINGS

DESCRIPTION	ORDERING CODE
1 x 2 Remodel Housing – Trim	MT7-IX2-R ☐ T
1 x 2 Remodel Housing – Trimless	MT7-IX2-R ☐ O

7" APERTURE LAMP MODULES

DESCRIPTION	CAT NO	ORDERING CODE	INPUT 120v
75w max. AR111 (12v)	MT-AR111	AR11	G
50w max. PAR36 (12v)	MT-AR111	AR11	G
75w max. PAR30 (120v)	MT-PAR30	PR30	G

MT7-IX3-N – 7" APERTURE I X 3

NEW CONSTRUCTION

AR111, PAR36, PAR30



75W AR111
HALOGEN



50W PAR36
HALOGEN



75W PAR30
HALOGEN

• Housing

Die Formed 20 gauge steel.

Finish: Black.

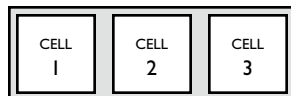
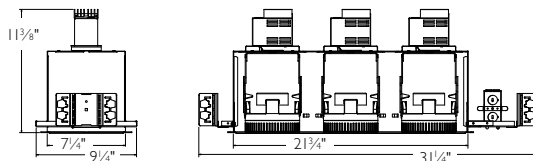
Non-IC rated.

Aperture frame is 16 gauge steel.

Optional white trim provides a finished look.

• Module

Integral lens ring accommodates up to two accessories which may include any combination of a protective lens, louver, effects lens and metal snoot. Module allows 350 degree rotation, 180 degrees vertical adjustment. Each module is retractable and individually aimable with degree indicators to show precise aiming angle. Aiming angles are fixed with two locking screws.

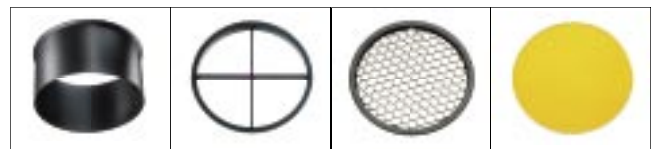


• Electronic Transformer – AR111 & PAR36

Premium, advanced technology electronic transformers feature autoreset, soft starting, short-circuit protection, quiet operation and consistent voltage. Modules are dimmable when used with 35w to 75w lamps.

• Accessories

Snoot	LENS-111-SNOOT
Cross Louver	LENS-111-CRL
Honeycomb Louver	LENS-111-HCL
Colored Lenses	LENS-111-COLOR
Dichroic Lenses	LENS-111-DIC-COLOR
Specify COLOR	AMB (Amber), BLU (Blue), GRN (Green), RED (Red), YEL (Yellow)
Example	LENS-111-AMB



HOUSING ORDERING INSTRUCTIONS

MT7-IX3-N

Example: MT7-IX3-N T

I. Specify Housing as Trim ☐ or Trimless ☐.

MODULE ORDERING INSTRUCTIONS

☐ CONFIG ☐ CELL1 ☐ CELL2 ☐ CELL3 ☐ VOLTAGE

Example: Mixed ☐ M ☐ AR11 ☐ PR30 ☐ AR11 ☐ G 120v

Example: Same ☐ S ☐ PR30 ☐ G 120v

1. Specify Configuration: ☐ M Mixed or all cells ☐ S Same.

2. Specify Module in cells: Refer to chart below for module ordering code

3. Input Voltage: ☐ G 120 volts

7" APERTURE I x 3 HOUSINGS

DESCRIPTION	ORDERING CODE
I x 3 New Construction Housing – Trim	MT7-IX3-N ☐ T
I x 3 New Construction Housing – Trimless	MT7-IX3-N ☐ O

7" APERTURE LAMP MODULES

DESCRIPTION	CAT NO	ORDERING CODE	INPUT 120v
75w max. AR111 (12v)	MT-AR111	AR11	G
50w max. PAR36 (12v)	MT-AR111	AR11	G
75w max. PAR30 (120v)	MT-PAR30	PR30	G

MT7-IX4-N – 7" APERTURE I X 4

NEW CONSTRUCTION

AR111, PAR36, PAR30



75W AR111
HALOGEN



50W PAR36
HALOGEN



75W PAR30
HALOGEN

- Housing**

Die Formed 20 gauge steel.

Finish: Black.

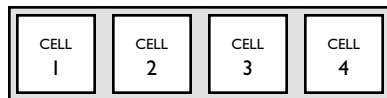
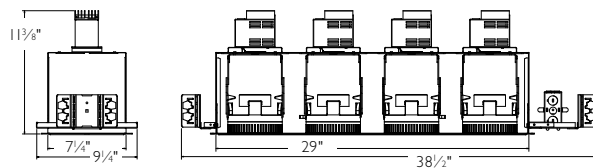
Non-IC rated.

Aperture frame is 16 gauge steel.

Optional white trim provides a finished look.

- Module**

Integral lens ring accommodates up to two accessories which may include any combination of a protective lens, louver, effects lens and metal snoot. Module allows 350 degree rotation, 180 degrees vertical adjustment. Each module is retractable and individually aimable with degree indicators to show precise aiming angle. Aiming angles are fixed with two locking screws.

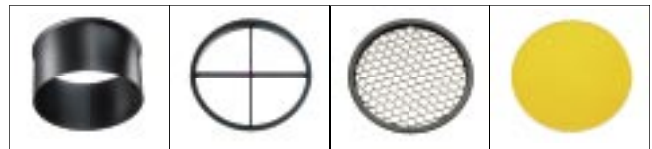


- Electronic Transformer – AR111 & PAR36**

Premium, advanced technology electronic transformers feature autoreset, soft starting, short-circuit protection, quiet operation and consistent voltage. Modules are dimmable when used with 35w to 75w lamps.

- Accessories**

Snoot	LENS-111-SNOOT
Cross Louver	LENS-111-CRL
Honeycomb Louver	LENS-111-HCL
Colored Lenses	LENS-111-COLOR
Dichroic Lenses	LENS-111-DIC-COLOR
Specify COLOR	AMB (Amber), BLU (Blue), GRN (Green), RED (Red), YEL (Yellow)
Example	LENS-111-AMB



HOUSING ORDERING INSTRUCTIONS

MT7-IX4-N ☐

Example: MT7-IX4-N T

I. Specify Housing as Trim ☐ or Trimless ☐.

MODULE ORDERING INSTRUCTIONS

☐ ☐ ☐ ☐ ☐
CONFIG CELL1 CELL2 CELL3 CELL4 VOLTAGE

Example: Mixed ☐ ☐ ☐ ☐ ☐ 120v

Example: Same ☐ ☐ ☐ 120v

1. Specify Configuration: ☐ Mixed or all cells ☐ Same.

2. Specify Module in cells: Refer to chart below for module ordering code

3. Input Voltage: ☐ 120 volts

7" APERTURE I x 4 HOUSINGS

DESCRIPTION	ORDERING CODE
I x 4 New Construction Housing – Trim	MT7-IX4-N ☐
I x 4 New Construction Housing – Trimless	MT7-IX4-N ☐

7" APERTURE LAMP MODULES

DESCRIPTION	CAT NO	ORDERING CODE	INPUT 120v
75w max. AR111 (12v)	MT-AR111	AR11	G
50w max. PAR36 (12v)	MT-AR111	AR11	G
75w max. PAR30 (120v)	MT-PAR30	PR30	G

MT7-2X2-N – 7" APERTURE 2 X 2

NEW CONSTRUCTION

AR111, PAR36, PAR30



75W AR111
HALOGEN



50W PAR36
HALOGEN



75W PAR30
HALOGEN

• Housing

Die Formed 20 gauge steel.

Finish: Black.

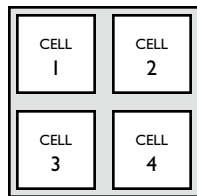
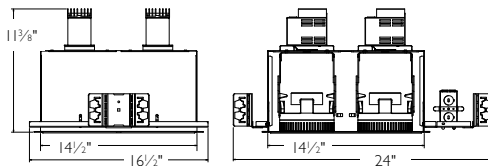
Non-IC rated.

Aperture frame is 16 gauge steel.

Optional white trim provides a finished look.

• Module

Integral lens ring accommodates up to two accessories which may include any combination of a protective lens, louver, effects lens and metal snoot. Module allows 350 degree rotation, 180 degrees vertical adjustment. Each module is retractable and individually aimable with degree indicators to show precise aiming angle. Aiming angles are fixed with two locking screws.



HOUSING ORDERING INSTRUCTIONS

MT7-2X2-N ☐

Example: MT7-2X2-N T

I. Specify Housing as Trim ☐ or Trimless ☐.

• Electronic Transformer – AR111 & PAR36

Premium, advanced technology electronic transformers feature autoreset, soft starting, short-circuit protection, quiet operation and consistent voltage. Modules are dimmable when used with 35w to 75w lamps.

• Accessories

Snoot

LENS-111-SNOOT

Cross Louver

LENS-111-CRL

Honeycomb Louver

LENS-111-HCL

Colored Lenses

LENS-111-COLOR

Dichroic Lenses

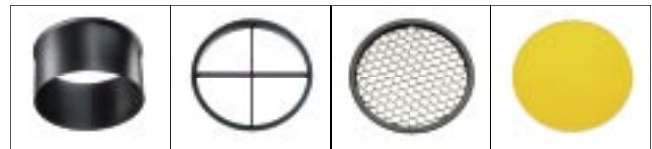
LENS-111-DIC-COLOR

Specify COLOR

AMB (Amber), BLU (Blue), GRN (Green),
RED (Red), YEL (Yellow)

Example

LENS-111-AMB



MODULE ORDERING INSTRUCTIONS

☐ ☐ ☐ ☐ ☐ ☐
CONFIG CELL1 CELL2 CELL3 CELL4 VOLTAGE

Example: Mixed ☐ ☐ ☐ ☐ ☐ ☐ 120v

Example: Same ☐ ☐ ☐ 120v

1. Specify Configuration: ☐ Mixed or all cells ☐ Same.

2. Specify Module in cells: Refer to chart below for module ordering code

3. Input Voltage: ☐ 120 volts

7" APERTURE 2 x 2 HOUSINGS

DESCRIPTION	ORDERING CODE
2 x 2 New Construction Housing – Trim	MT7-2X2-N ☐
2 x 2 New Construction Housing – Trimless	MT7-2X2-N ☐

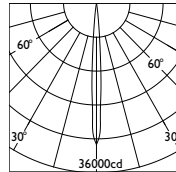
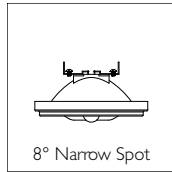
7" APERTURE LAMP MODULES

DESCRIPTION	CAT NO	ORDERING CODE	INPUT 120v
75w max. AR111 (12v)	MT-AR111	AR11	G
50w max. PAR36 (12v)	MT-AR111	AR11	G
75w max. PAR30 (120v)	MT-PAR30	PR30	G

PRECISION MODULES – 7" APERTURE

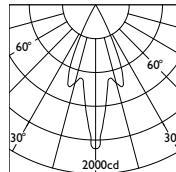
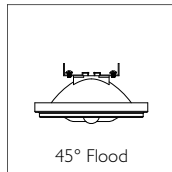


75W AR111 HALOGEN*



0° AIMING ANGLE			
d (ft)	fc	w	l
3	3333	0'5"	0'5"
6	833	0'10"	0'10"
9	370	1'3"	1'3"
12	208	1'8"	1'8"
15	133	2'1"	2'1"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	1179	0'7"	0'10"
6	295	1'2"	1'8"
9	131	1'9"	2'6"
12	74	2'4"	3'4"
15	47	3'0"	4'3"



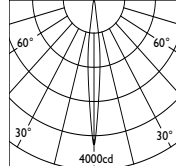
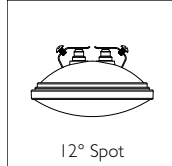
0° AIMING ANGLE			
d (ft)	fc	w	l
3	189	2'6"	2'6"
6	47	5'0"	5'0"
9	21	7'5"	7'5"
12	12	9'11"	9'11"
15	8	12'5"	12'5"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	67	3'6"	6'0"
6	17	7'0"	12'0"
9	7	10'7"	18'0"
12	4	14'1"	24'0"
15	3	17'7"	30'0"

* Based on Osram/Sylvania lamp data

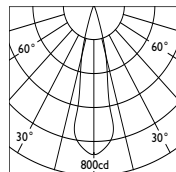


50W PAR36 HALOGEN



0° AIMING ANGLE			
d (ft)	fc	w	l
3	365	0'8"	0'8"
6	91	1'3"	1'3"
9	41	1'11"	1'11"
12	23	2'6"	2'6"
15	15	3'2"	3'2"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	129	0'11"	1'3"
6	32	1'9"	2'7"
9	14	2'8"	3'10"
12	8	3'7"	5'1"
15	5	4'6"	6'5"

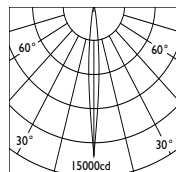
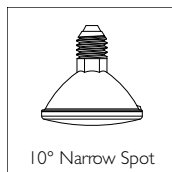


0° AIMING ANGLE			
d (ft)	fc	w	l
3	77	1'4"	1'4"
6	19	2'8"	2'8"
9	9	4'0"	4'0"
12	5	5'4"	5'4"
15	3	6'8"	6'8"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	27	1'11"	2'10"
6	7	3'9"	5'7"
9	3	5'8"	8'5"
12	2	7'6"	11'2"
15	1	9'5"	14'0"

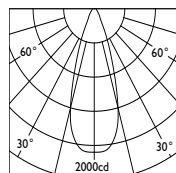
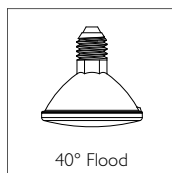


75W PAR30 HALOGEN



0° AIMING ANGLE			
d (ft)	fc	w	l
3	1457	0'6"	0'6"
6	364	1'1"	1'1"
9	162	1'7"	1'7"
12	91	2'1"	2'1"
15	58	2'7"	2'7"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	515	0'9"	1'1"
6	129	1'6"	2'1"
9	57	2'3"	3'2"
12	32	3'0"	4'3"
15	21	3'9"	5'3"



0° AIMING ANGLE			
d (ft)	fc	w	l
3	187	2'2"	2'2"
6	47	4'4"	4'4"
9	21	6'7"	6'7"
12	12	8'9"	8'9"
15	7	10'11"	10'11"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	66	3'1"	5'0"
6	16	6'2"	10'1"
9	7	9'3"	15'1"
12	4	12'4"	20'2"
15	3	15'5"	25'2"

PRECISION MODULES – 4" APERTURE



Precision Modules provide high performance illumination for applications such as retail and hospitality. The modular 4" Series is available in 1x1, 1x2, 1x3, 1x4, 1x6 and 2x2 sizes, utilizing MR 16 Low Voltage modules. The modules are fully extendable and feature a high degree of adjustability along with two locking screws to ensure proper aiming - even during re-lamping. The Precision Module Series provides the flexibility required for today's unique merchandising and accent lighting applications.

The 4" Precision Module Series provides an unobtrusive aesthetic. MR16 lamps offer a wide range of beam spreads and wattages to ensure appropriate illumination for many high value retail and hospitality applications. The 4" Precision Modules utilize W2 electronic transformers that meet new U.L. listing guidelines for Low Voltage lighting power sources which ensures the highest performance and protection. Our transformers feature auto-reset, short circuit protection, and soft start technology. The advanced soft start feature protects lamp filaments from abrupt inrush current that shortens lamp life. Each MR16 Module is rated for 75W and is dimmable.



The Precision Module series features easy maintenance. Lamp replacement is accomplished in seconds without affecting aiming and all accessories are held in place. Where applicable, transformers are fully accessible from below the ceiling.

All modules are preinstalled at the factory to ensure correct alignment and voltage. They may be ordered individually for custom installations.

Precision Modules have been designed to be easily installed and are U.L. listed for stand alone installation when desired. Housings are U.L. listed for through branch circuit wiring.

Patent pending.

PRECISION MODULES – 4" APERTURE



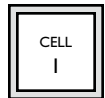
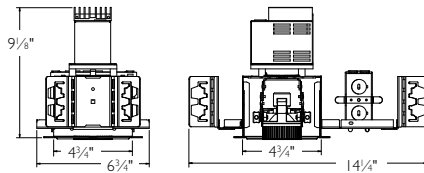
MT4-IXI-N – 4" APERTURE I X I

NEW CONSTRUCTION MR16



75W MR16
HALOGEN

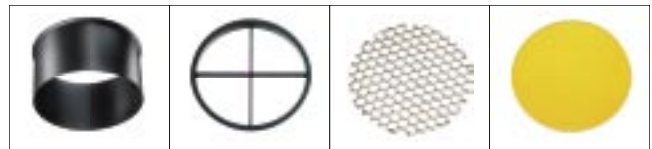
- Housing**
 Die Formed 20 gauge steel.
 Finish: Black.
 Non-IC rated.
 Aperture frame is 16 gauge steel.
 Optional white trim provides a finished look.
- Module**
 Integral lens ring accommodates up to two accessories which may include any combination of a protective lens, louver, effects lens and metal snoot. Module allows 350 degree rotation, 180 degrees vertical adjustment. Each module is retractable and individually aimable with degree indicators to show precise aiming angle. Aiming angles are fixed with two locking screws.



- Electronic Transformer**
 Premium, advanced technology electronic transformers feature autoreset, soft starting, short-circuit protection, quiet operation and consistent voltage. Modules are dimmable when used with 35w to 75w lamps.

- Accessories**

Snoot	LENS-16-SNOOT
Cross Louver	LENS-16-CRL
Honeycomb Louver	LENS-16-HCL
Colored Lenses	LENS-16-COLOR
Dichroic Lenses	LENS-16-DIC-COLOR
Specify COLOR	AMB (Amber), BLU (Blue), GRN (Green), RED (Red), YEL (Yellow)
Example	LENS-16-AMB



HOUSING ORDERING INSTRUCTIONS

MT4-IXI-N□

Example: MT4-IXI-N T

I. Specify Housing as Trim ☒ or Trimless ☐.

MODULE ORDERING INSTRUCTIONS

☐ CONFIG ☐ CELL I ☐ VOLTAGE
 CONF CELL VOLTAGE

Example: Same ☒ ☒ ☒ 120v

- Specify Configuration: All cells ☒ Same.
- Specify Module in cell: Refer to chart below for module ordering code
- Input Voltage: ☒ 120 volts

4" APERTURE I x I HOUSINGS

DESCRIPTION	ORDERING CODE
I x I New Construction Housing – Trim	MT4-IXI-N ☒
I x I New Construction Housing – Trimless	MT4-IXI-N ☐

4" APERTURE LAMP MODULES

DESCRIPTION	CAT NO	ORDERING CODE	INPUT 120v
75w max. MR16 (12v)	MT-MR16	MR16	G

MT4-IXI-R – 4" APERTURE

I X I

REMODEL

MR16



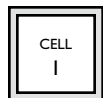
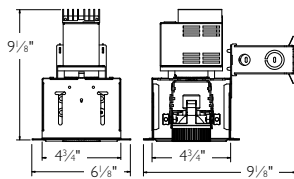
75W MR16
HALOGEN

- Housing**

Die Formed 20 gauge steel.
Finish: Black.
Non-IC rated.
Aperture frame is 16 gauge steel.
Optional white trim provides a finished look.

- Module**

Integral lens ring accommodates up to two accessories which may include any combination of a protective lens, louver, effects lens and metal snoot. Module allows 350 degree rotation, 180 degrees vertical adjustment. Each module is retractable and individually aimable with degree indicators to show precise aiming angle. Aiming angles are fixed with two locking screws.

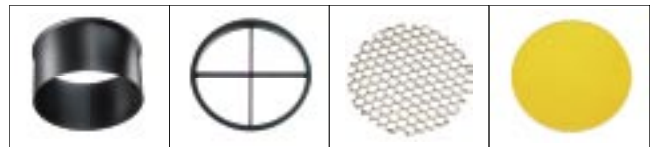


- Electronic Transformer**

Premium, advanced technology electronic transformers feature autoreset, soft starting, short-circuit protection, quiet operation and consistent voltage. Modules are dimmable when used with 35w to 75w lamps.

- Accessories**

Snoot **LENS-16-SNOOT**
Cross Louver **LENS-16-CRL**
Honeycomb Louver **LENS-16-HCL**
Colored Lenses **LENS-16-COLOR**
Dichroic Lenses **LENS-16-DIC-COLOR**
Specify **COLOR** **AMB** (Amber), **BLU** (Blue), **GRN** (Green),
RED (Red), **YEL** (Yellow)
Example **LENS-16-AMB**



HOUSING ORDERING INSTRUCTIONS

MT4-IXI-R□

Example: MT4-IXI-R T

I. Specify Housing as Trim **T** or Trimless **□**.

4" APERTURE I x I HOUSINGS

DESCRIPTION	ORDERING CODE
I x I Remodel Housing – Trim	MT4-IXI-R T
I x I Remodel Housing – Trimless	MT4-IXI-R □

MODULE ORDERING INSTRUCTIONS

□ □ □
CONFIG CELL VOLTAGE

Example: Same **S** **MR16** **G** 120v

- Specify Configuration: All cells **S** Same.
- Specify Module in cell: Refer to chart below for module ordering code
- Input Voltage: **G** 120 volts

4" APERTURE LAMP MODULES

DESCRIPTION	CAT NO	ORDERING CODE	INPUT 120v
75w max. MR16 (12v)	MT-MR16	MR16	G

MT4-IX2-N – 4" APERTURE I X 2

NEW CONSTRUCTION MRI6



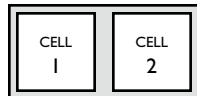
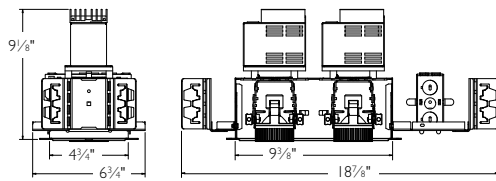
75W MR16
HALOGEN

- Housing**

Die Formed 20 gauge steel.
Finish: Black.
Non-IC rated.
Aperture frame is 16 gauge steel.
Optional white trim provides a finished look.

- Module**

Integral lens ring accommodates up to two accessories which may include any combination of a protective lens, louver, effects lens and metal snoot. Module allows 350 degree rotation, 180 degrees vertical adjustment. Each module is retractable and individually aimable with degree indicators to show precise aiming angle. Aiming angles are fixed with two locking screws.



- Electronic Transformer**

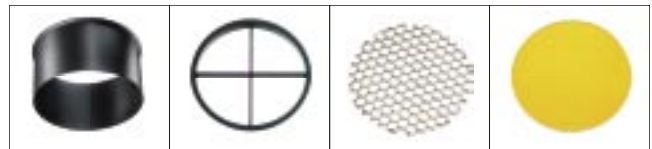
Premium, advanced technology electronic transformers feature autoreset, soft starting, short-circuit protection, quiet operation and consistent voltage. Modules are dimmable when used with 35w to 75w lamps.

- Accessories**

Snoot **LENS-16-SNOOT**
Cross Louver **LENS-16-CRL**
Honeycomb Louver **LENS-16-HCL**
Colored Lenses **LENS-16-COLOR**
Dichroic Lenses **LENS-16-DIC-COLOR**
Specify **COLOR** **AMB** (Amber), **BLU** (Blue), **GRN** (Green),
RED (Red), **YEL** (Yellow)

Example

LENS-16-AMB



HOUSING ORDERING INSTRUCTIONS

MT4-IX2-N□

Example: MT4-IX2-N T

I. Specify Housing as Trim **T** or Trimless **□**.

MODULE ORDERING INSTRUCTIONS

□ □ □
CONFIG ALL CELLS VOLTAGE

Example: Same **S** **MR16** **G** 120v

- Specify Configuration: All cells **S** Same.
- Specify Module in cells: Refer to chart below for module ordering code
- Input Voltage: **G** 120 volts

4" APERTURE I x 2 HOUSINGS

DESCRIPTION	ORDERING CODE
I x 2 New Construction Housing – Trim	MT4-IX2-N T
I x 2 New Construction Housing – Trimless	MT4-IX2-N □

4" APERTURE LAMP MODULES

DESCRIPTION	CAT NO	ORDERING CODE	INPUT 120v
75w max. MR16 (12v)	MT-MR16	MR16	G

MT4-1X2-R – 4" APERTURE

1 X 2

REMODEL

MR16



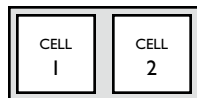
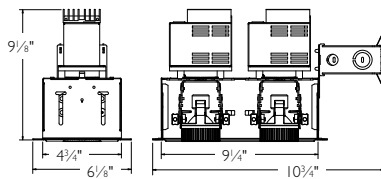
75W MR16
HALOGEN

- Housing**

Die Formed 20 gauge steel.
Finish: Black.
Non-IC rated.
Aperture frame is 16 gauge steel.
Optional white trim provides a finished look.

- Module**

Integral lens ring accommodates up to two accessories which may include any combination of a protective lens, louver, effects lens and metal snoot. Module allows 350 degree rotation, 180 degrees vertical adjustment. Each module is retractable and individually aimable with degree indicators to show precise aiming angle. Aiming angles are fixed with two locking screws.

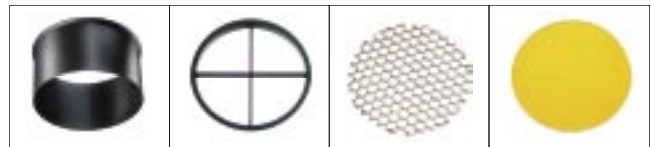


- Electronic Transformer**

Premium, advanced technology electronic transformers feature autoreset, soft starting, short-circuit protection, quiet operation and consistent voltage. Modules are dimmable when used with 35w to 75w lamps.

- Accessories**

Snoot **LENS-16-SNOOT**
Cross Louver **LENS-16-CRL**
Honeycomb Louver **LENS-16-HCL**
Colored Lenses **LENS-16-COLOR**
Dichroic Lenses **LENS-16-DIC-COLOR**
Specify **COLOR** **AMB** (Amber), **BLU** (Blue), **GRN** (Green),
RED (Red), **YEL** (Yellow)
Example **LENS-16-AMB**



HOUSING ORDERING INSTRUCTIONS

MT4-1X2-R□

Example: MT4-1X2-R T

I. Specify Housing as Trim **T** or Trimless **□**.

4" APERTURE 1 x 2 HOUSINGS

DESCRIPTION	ORDERING CODE
1 x 2 Remodel Housing – Trim	MT4-1X2-R T
1 x 2 Remodel Housing – Trimless	MT4-1X2-R □

MODULE ORDERING INSTRUCTIONS

□ □ □
CONFIG ALL CELLS VOLTAGE

Example: Same **S** **MR16** **G** 120v

- Specify Configuration: All cells **S** Same.
- Specify Module in cells: Refer to chart below for module ordering code
- Input Voltage: **G** 120 volts

4" APERTURE LAMP MODULES

DESCRIPTION	CAT NO	ORDERING CODE	INPUT 120v
75w max. MR16 (12v)	MT-MR16	MR16	G

MT4-IX3-N – 4" APERTURE I X 3

NEW CONSTRUCTION MR16



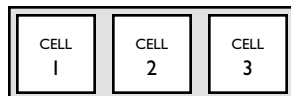
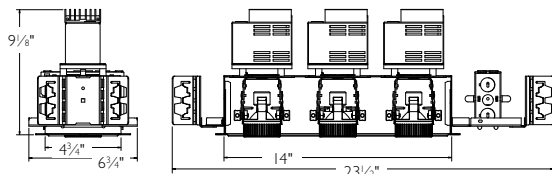
75W MR16
HALOGEN

• Housing

Die Formed 20 gauge steel.
Finish: Black.
Non-IC rated.
Aperture frame is 16 gauge steel.
Optional white trim provides a finished look.

• Module

Integral lens ring accommodates up to two accessories which may include any combination of a protective lens, louver, effects lens and metal snoot. Module allows 350 degree rotation, 180 degrees vertical adjustment. Each module is retractable and individually aimable with degree indicators to show precise aiming angle. Aiming angles are fixed with two locking screws.



• Electronic Transformer

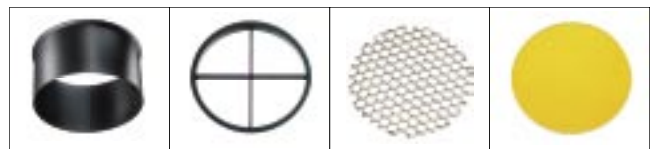
Premium, advanced technology electronic transformers feature autoreset, soft starting, short-circuit protection, quiet operation and consistent voltage. Modules are dimmable when used with 35w to 75w lamps.

• Accessories

Snoot LENS-16-SNOOT
Cross Louver LENS-16-CRL
Honeycomb Louver LENS-16-HCL
Colored Lenses LENS-16-COLOR
Dichroic Lenses LENS-16-DIC-COLOR
Specify COLOR AMB (Amber), BLU (Blue), GRN (Green), RED (Red), YEL (Yellow)

Example

LENS-16-AMB



HOUSING ORDERING INSTRUCTIONS

MT4-IX3-N□

Example: MT4-IX3-N T

I. Specify Housing as Trim T or Trimless □.

MODULE ORDERING INSTRUCTIONS

□ □ □
CONFIG ALL CELLS VOLTAGE

Example: Same S MR16 G 120v

1. Specify Configuration: All cells S Same.
2. Specify Module in cells: Refer to chart below for module ordering code
3. Input Voltage: G 120 volts

4" APERTURE I x 3 HOUSINGS

DESCRIPTION	ORDERING CODE
I x 3 New Construction Housing – Trim	MT4-IX3-N T
I x 3 New Construction Housing – Trimless	MT4-IX3-N □

4" APERTURE LAMP MODULES

DESCRIPTION	CAT NO	ORDERING CODE	INPUT 120v
75w max. MR16 (12v)	MT-MR16	MR16	G

MT4-IX4-N – 4" APERTURE I X 4

NEW CONSTRUCTION MR16



75W MR16
HALOGEN

- Housing**

Die Formed 20 gauge steel.
Finish: Black.
Non-IC rated.
Aperture frame is 16 gauge steel.
Optional white trim provides a finished look.

- Module**

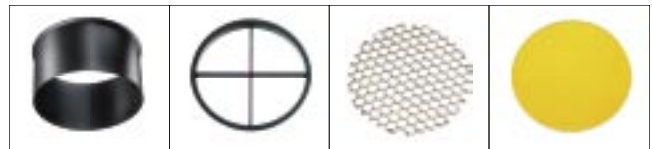
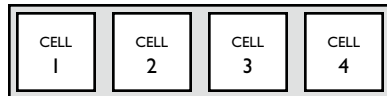
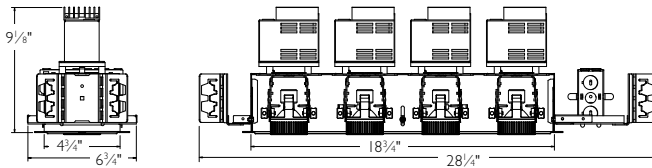
Integral lens ring accommodates up to two accessories which may include any combination of a protective lens, louver, effects lens and metal snoot. Module allows 350 degree rotation, 180 degrees vertical adjustment. Each module is retractable and individually aimable with degree indicators to show precise aiming angle. Aiming angles are fixed with two locking screws.

- Electronic Transformer**

Premium, advanced technology electronic transformers feature autoreset, soft starting, short-circuit protection, quiet operation and consistent voltage. Modules are dimmable when used with 35w to 75w lamps.

- Accessories**

Snoot **LENS-16-SNOOT**
Cross Louver **LENS-16-CRL**
Honeycomb Louver **LENS-16-HCL**
Colored Lenses **LENS-16-COLOR**
Dichroic Lenses **LENS-16-DIC-COLOR**
Specify **COLOR** **AMB** (Amber), **BLU** (Blue), **GRN** (Green),
RED (Red), **YEL** (Yellow)
Example **LENS-16-AMB**



HOUSING ORDERING INSTRUCTIONS

MT4-IX4-N□

Example: MT4-IX4-N T

I. Specify Housing as Trim ☐ or Trimless ☐.

MODULE ORDERING INSTRUCTIONS

☐ ☐ ☐
CONFIG ALL CELLS VOLTAGE

Example: Same ☐ ☐ ☐ 120v

- Specify Configuration: All cells ☐ Same.
- Specify Module in cells: Refer to chart below for module ordering code
- Input Voltage: ☐ 120 volts

4" APERTURE I x 4 HOUSINGS

DESCRIPTION	ORDERING CODE
I x 4 New Construction Housing – Trim	MT4-IX4-N ☐
I x 4 New Construction Housing – Trimless	MT4-IX4-N ☐

4" APERTURE LAMP MODULES

DESCRIPTION	CAT NO	ORDERING CODE	INPUT 120v
75w max. MR16 (12v)	MT-MR16	MR16	G

MT4-1X6-N – 4" APERTURE I X 6

NEW CONSTRUCTION MR16



75W MR16
HALOGEN

• Housing

Die Formed 20 gauge steel.
Finish: Black.
Non-IC rated.
Aperture frame is 16 gauge steel.
Optional white trim provides a finished look.

• Module

Integral lens ring accommodates up to two accessories which may include any combination of a protective lens, louver, effects lens and metal snoot. Module allows 350 degree rotation, 180 degrees vertical adjustment. Each module is retractable and individually aimable with degree indicators to show precise aiming angle. Aiming angles are fixed with two locking screws.

• Electronic Transformer

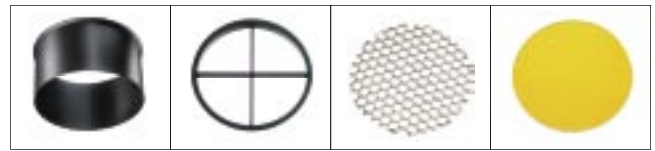
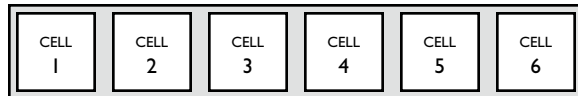
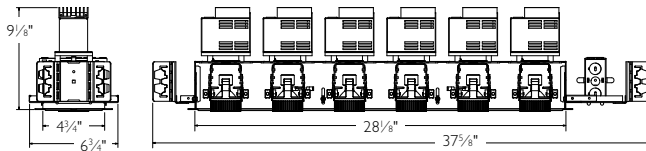
Premium, advanced technology electronic transformers feature autoreset, soft starting, short-circuit protection, quiet operation and consistent voltage. Modules are dimmable when used with 35w to 75w lamps.

• Accessories

Snoot **LENS-16-SNOOT**
Cross Louver **LENS-16-CRL**
Honeycomb Louver **LENS-16-HCL**
Colored Lenses **LENS-16-COLOR**
Dichroic Lenses **LENS-16-DIC-COLOR**
Specify **COLOR** **AMB** (Amber), **BLU** (Blue), **GRN** (Green),
RED (Red), **YEL** (Yellow)

Example

LENS-16-AMB



HOUSING ORDERING INSTRUCTIONS

MT4-1X6-N□

Example: MT4-1X6-N T

I. Specify Housing as Trim **T** or Trimless **□**.

MODULE ORDERING INSTRUCTIONS

□ □ □
CONFIG ALL CELLS VOLTAGE

Example: Same **S** **MR16** **G** 120v

1. Specify Configuration: All cells **S** Same.
2. Specify Module in cells: Refer to chart below for module ordering code
3. Input Voltage: **G** 120 volts

4" APERTURE I x 6 HOUSINGS

DESCRIPTION	ORDERING CODE
I x 6 New Construction Housing – Trim	MT4-1X6-N T
I x 6 New Construction Housing – Trimless	MT4-1X6-N □

4" APERTURE LAMP MODULES

DESCRIPTION	CAT NO	ORDERING CODE	INPUT 120v
75w max. MR16 (12v)	MT-MR16	MR16	G

MT4-2X2-N – 4" APERTURE 2 X 2

NEW CONSTRUCTION MR16



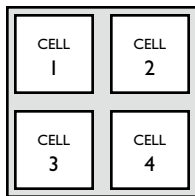
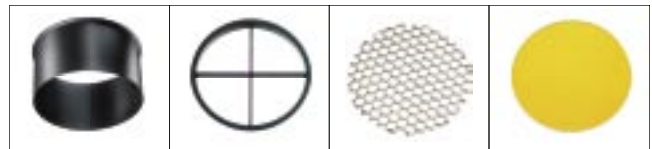
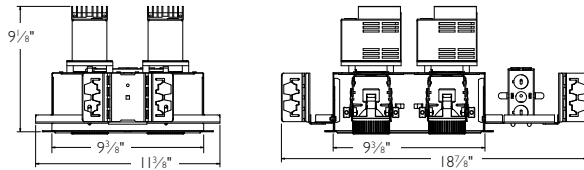
75W MR16
HALOGEN

- Housing**
 Die Formed 20 gauge steel.
 Finish: Black.
 Non-IC rated.
 Aperture frame is 16 gauge steel.
 Optional white trim provides a finished look.
- Module**
 Integral lens ring accommodates up to two accessories which may include any combination of a protective lens, louver, effects lens and metal snoot. Module allows 350 degree rotation, 180 degrees vertical adjustment. Each module is retractable and individually aimable with degree indicators to show precise aiming angle. Aiming angles are fixed with two locking screws.

- Electronic Transformer**
 Premium, advanced technology electronic transformers feature autoreset, soft starting, short-circuit protection, quiet operation and consistent voltage. Modules are dimmable when used with 35w to 75w lamps.

- Accessories**

Snoot	LENS-16-SNOOT
Cross Louver	LENS-16-CRL
Honeycomb Louver	LENS-16-HCL
Colored Lenses	LENS-16-COLOR
Dichroic Lenses	LENS-16-DIC-COLOR
Specify COLOR	AMB (Amber), BLU (Blue), GRN (Green), RED (Red), YEL (Yellow)
Example	LENS-16-AMB



HOUSING ORDERING INSTRUCTIONS

MT4-2X2-N□

Example: MT4-2X2-N T

I. Specify Housing as Trim ☐ or Trimless ☐.

MODULE ORDERING INSTRUCTIONS

☐ ☐ ☐
 CONFIG ALL CELLS VOLTAGE

Example: Same ☐ ☐ ☐ 120v

- Specify Configuration: All cells ☐ Same.
- Specify Module in cells: Refer to chart below for module ordering code
- Input Voltage: ☐ 120 volts

4" APERTURE 2 x 2 HOUSINGS

DESCRIPTION	ORDERING CODE
2 x 2 New Construction Housing – Trim	MT4-2X2-N ☐
2 x 2 New Construction Housing – Trimless	MT4-2X2-N ☐

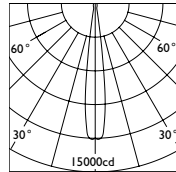
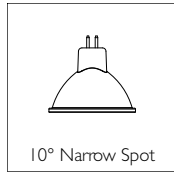
4" APERTURE LAMP MODULES

DESCRIPTION	CAT NO	ORDERING CODE	INPUT 120v
75w max. MR16 (12v)	MT-MR16	MR16	G

PRECISION MODULES – 4" APERTURE

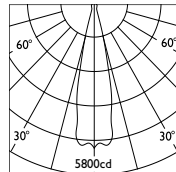


71W MR16 HALOGEN*



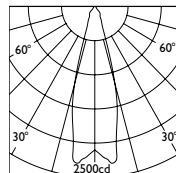
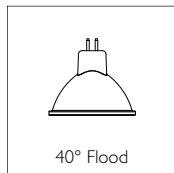
0° AIMING ANGLE			
d (ft)	fc	w	l
3	1333	0'9"	0'9"
6	333	1'7"	1'7"
9	148	2'4"	2'4"
12	83	3'2"	3'2"
15	53	3'11"	3'11"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	471	1'1"	1'7"
6	118	2'3"	3'3"
9	52	3'4"	4'10"
12	29	4'6"	6'5"
15	19	5'7"	8'0"



0° AIMING ANGLE			
d (ft)	fc	w	l
3	544	1'4"	1'4"
6	136	2'8"	2'8"
9	60	4'0"	4'0"
12	34	5'4"	5'4"
15	22	6'8"	6'8"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	192	1'11"	2'10"
6	48	3'9"	5'7"
9	21	5'8"	8'5"
12	12	7'6"	11'2"
15	8	9'5"	14'0"



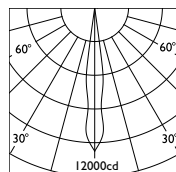
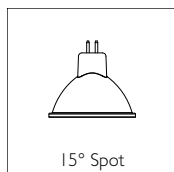
0° AIMING ANGLE			
d (ft)	fc	w	l
3	233	2'2"	2'2"
6	58	4'4"	4'4"
9	26	6'7"	6'7"
12	15	8'9"	8'9"
15	9	10'11"	10'11"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	82	3'1"	5'0"
6	21	6'2"	10'1"
9	9	9'3"	15'1"
12	5	12'4"	20'2"
15	3	15'5"	25'2"

* Based on GE lamp data

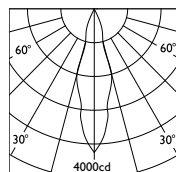
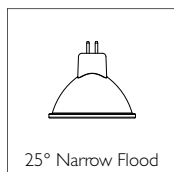


50W MR16 HALOGEN



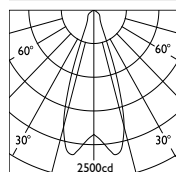
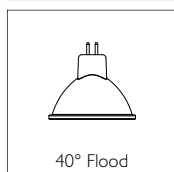
0° AIMING ANGLE			
d (ft)	fc	w	l
3	1133	0'9"	0'9"
6	283	1'7"	1'7"
9	126	2'4"	2'4"
12	71	3'2"	3'2"
15	45	3'11"	3'11"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	401	1'1"	1'7"
6	100	2'3"	3'3"
9	45	3'4"	4'10"
12	25	4'6"	6'5"
15	16	5'7"	8'0"



0° AIMING ANGLE			
d (ft)	fc	w	l
3	378	1'4"	1'4"
6	94	2'8"	2'8"
9	42	4'0"	4'0"
12	24	5'4"	5'4"
15	15	6'8"	6'8"

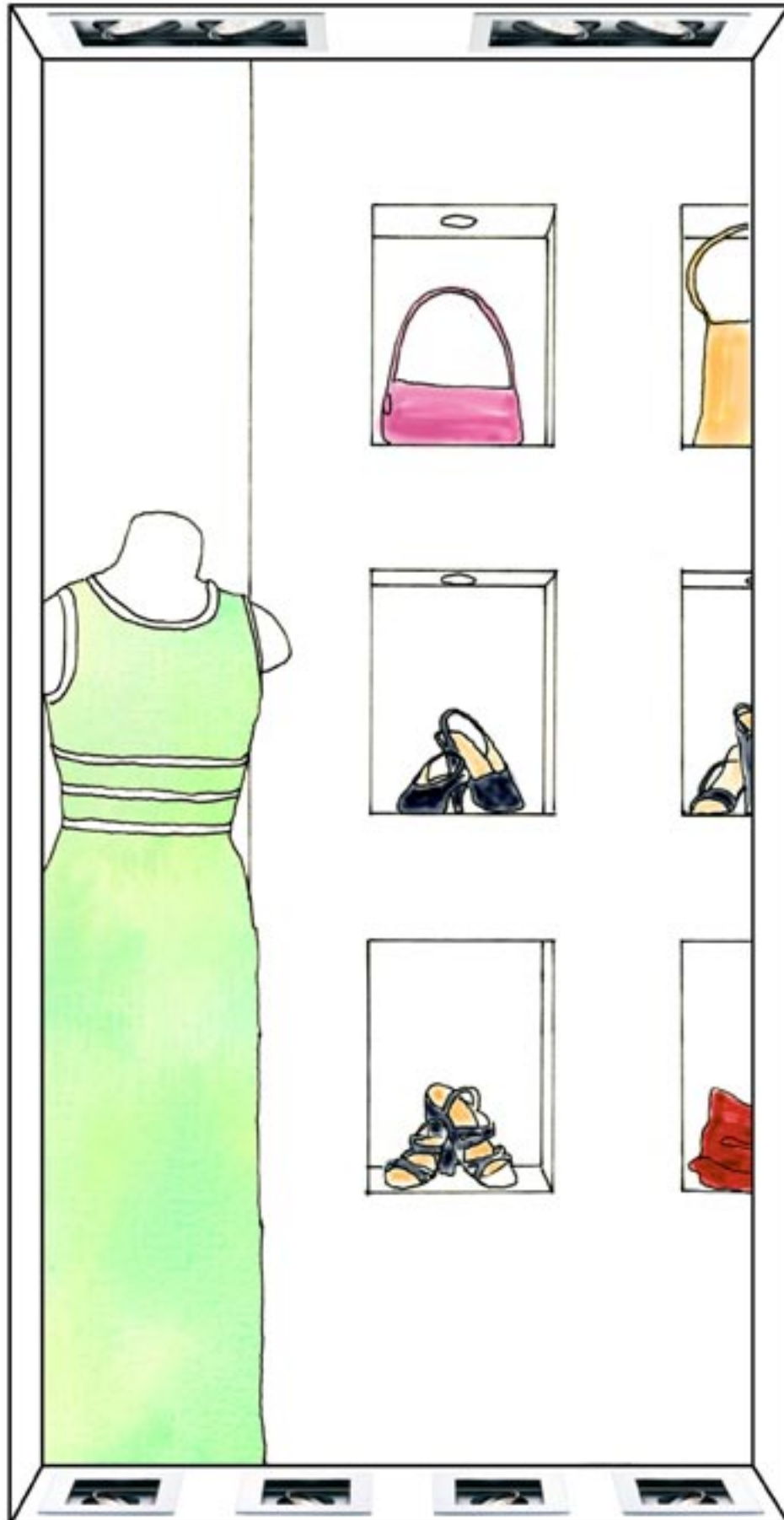
45° AIMING ANGLE			
d (ft)	fc	w	l
3	134	1'11"	2'10"
6	33	3'9"	5'7"
9	15	5'8"	8'5"
12	8	7'6"	11'2"
15	5	9'5"	14'0"



0° AIMING ANGLE			
d (ft)	fc	w	l
3	206	2'2"	2'2"
6	51	4'4"	4'4"
9	23	6'7"	6'7"
12	13	8'9"	8'9"
15	8	10'11"	10'11"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	73	3'1"	5'0"
6	18	6'2"	10'1"
9	8	9'3"	15'1"
12	5	12'4"	20'2"
15	3	15'5"	25'2"

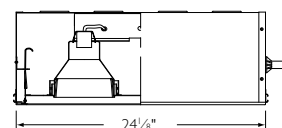
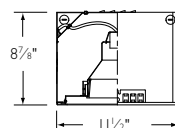
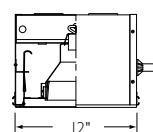
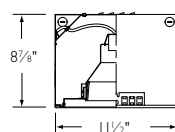
MULTIPLE SPOT DOWNLIGHTS



MULTIPLE SPOTS 1 X 1 / 1 X 2

NEW CONSTRUCTION

PAR38



• Housing

Die Formed 20 gauge steel.

Finish: Black.

Non-IC rated.

Housings and trims sold separately.

Ideal for highlighting space, displays, shelved merchandise and artwork.

45° vertical aiming capability and 360° rotation on each element.

Uses PAR38 150w max. lamp.

Easily relampable from the front.

For new construction or suspended grid ceilings.

• Lamps

Lamps in wide floods or very narrow spots provide high center beam candle power and smooth beam patterns without direct beam glare.

Perfect for accent and perimeter lighting.

COMPLETE FIXTURE ORDERING INSTRUCTIONS

1. Specify Housing
2. Specify Trim

MT-238HS + MT-238-WT/WT

MULTIPLE SPOT PAR38 HOUSINGS

DESCRIPTION	CAT NO
1 x 1 New Construction Housing	MT-138HS
1 x 2 New Construction Housing	MT-238HS

MULTIPLE SPOT PAR38 TRIMS

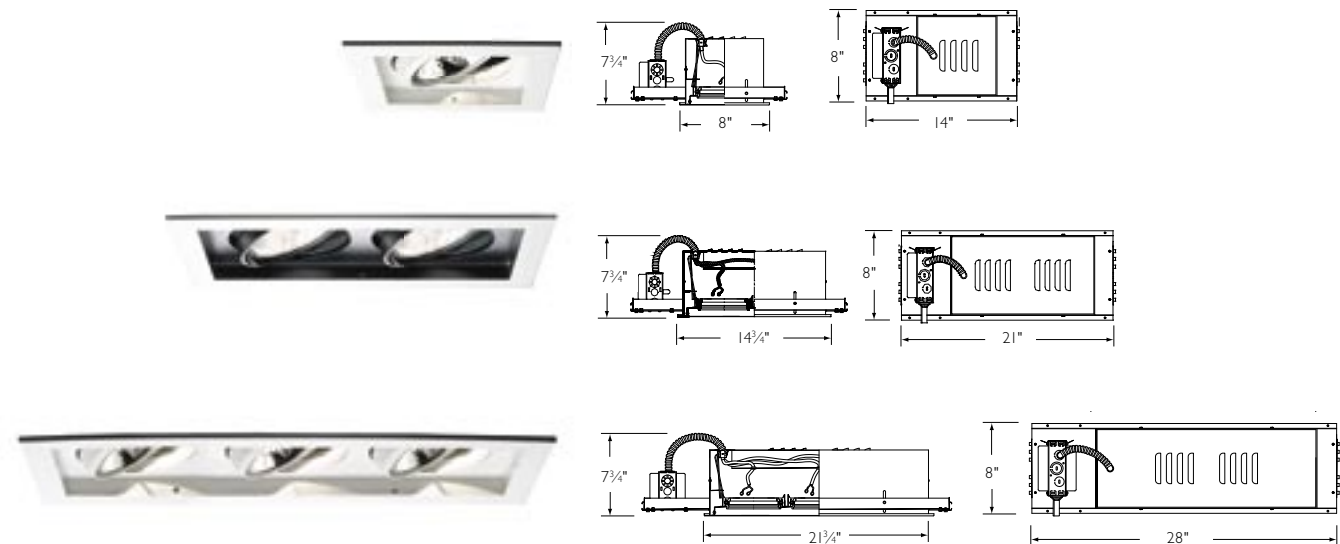
DESCRIPTION	CAT NO	FINISH
1 x 1 White Trim/Black Interior	MT-138-WT/BK	WT/BK
1 x 1 White Trim/White Interior	MT-138-WT/WT	WT/WT
1 x 2 White Trim/Black Interior	MT-238-WT/BK	WT/BK
1 x 2 White Trim/White Interior	MT-238-WT/WT	WT/WT

MULTIPLE SPOTS

1 X 1 / 1 X 2 / 1 X 3

NEW CONSTRUCTION

AR111, PAR36



Housing

- Die Formed 20 gauge steel.
- Finish: Black.
- Housings and trims sold separately.
- 45° vertical aiming capability and 360° rotation on each element.
- Uses AR111 75w max. or PAR36 50w max. lamps.
- Equipped with integral electronic low voltage transformers accessible from below or above the ceiling.
- Luminaires are dimmable with electronic low voltage dimmers.
- Easily relampable from the front.
- For new construction or suspended grid ceilings.

Lamps

- Lamps in wide floods or very narrow spots provide high center beam candle power and smooth beam patterns without direct beam glare.
- Perfect for accent and perimeter lighting.

COMPLETE FIXTURE ORDERING INSTRUCTIONS

- Specify Housing
- Specify Trim

MT-236HS + MT-236-WT/WT

MULTIPLE SPOT AR111 / PAR36 HOUSINGS

DESCRIPTION	CAT NO
1 x 1 Low Voltage Housing	MT-136HS
1 x 2 Low Voltage Housing	MT-236HS
1 x 3 Low Voltage Housing	MT-336HS

MULTIPLE SPOT AR111 / PAR36 TRIMS

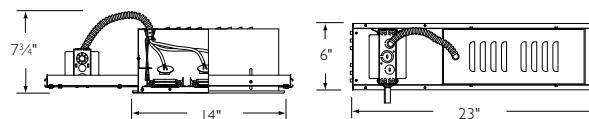
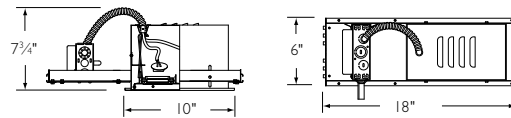
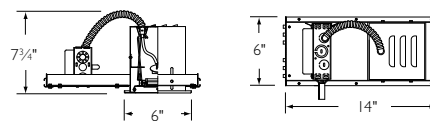
DESCRIPTION	CAT NO	FINISH
1 x 1 White Trim/Black Interior	MT-136-WT/BK	WT/BK
1 x 1 White Trim/White Interior	MT-136-WT/WT	WT/WT
1 x 2 White Trim/Black Interior	MT-236-WT/BK	WT/BK
1 x 2 White Trim/White Interior	MT-236-WT/WT	WT/WT
1 x 3 White Trim/Black Interior	MT-336-WT/BK	WT/BK
1 x 3 White Trim/White Interior	MT-336-WT/WT	WT/WT

MULTIPLE SPOTS

1 X 1 / 1 X 2 / 1 X 3

NEW CONSTRUCTION

MR16



Housing

- Die Formed 20 gauge steel.
- Finish: Black.
- Housings and trims sold separately.
- 45° vertical aiming capability and 360° rotation on each element.
- Uses MR16 50w max. lamp.
- Equipped with integral electronic low voltage transformers accessible from below or above the ceiling.
- Luminaires are dimmable with electronic low voltage dimmers.
- Easily relampable from the front.
- For new construction or suspended grid ceilings.

Lamps

- Lamps in wide floods or very narrow spots provide high center beam candle power and smooth beam patterns without direct beam glare.
- Perfect for accent and perimeter lighting.

COMPLETE FIXTURE ORDERING INSTRUCTIONS

- Specify Housing
- Specify Trim

MT-316HS + MT-316-WT/BK

MULTIPLE SPOT MR16 HOUSINGS

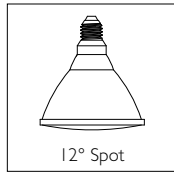
DESCRIPTION	CAT NO
1 x 1 MR16 Housing	MT-116HS
1 x 2 MR16 Housing	MT-216HS
1 x 3 MR16 Housing	MT-316HS

MULTIPLE SPOT MR16 TRIMS

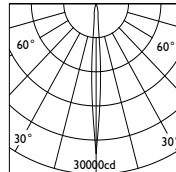
DESCRIPTION	CAT NO	FINISH
1 x 1 White Trim/Black Interior	MT-116-WT/BK	WT/BK
1 x 1 White Trim/White Interior	MT-116-WT/WT	WT/WT
1 x 2 White Trim/Black Interior	MT-216-WT/BK	WT/BK
1 x 2 White Trim/White Interior	MT-216-WT/WT	WT/WT
1 x 3 White Trim/Black Interior	MT-316-WT/BK	WT/BK
1 x 3 White Trim/White Interior	MT-316-WT/WT	WT/WT

MULTIPLE SPOT DOWNLIGHTS

90W PAR38 HALOGEN

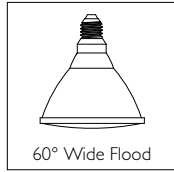


12° Spot

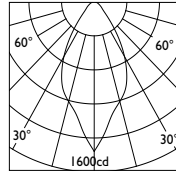


0° AIMING ANGLE			
d (ft)	fc	w	l
3	2929	0'8"	0'8"
6	732	1'3"	1'3"
9	325	1'11"	1'11"
12	183	2'6"	2'6"
15	117	3'2"	3'2"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	1035	0'11"	1'3"
6	259	1'9"	2'7"
9	115	2'8"	3'10"
12	65	3'7"	5'1"
15	41	4'6"	6'5"



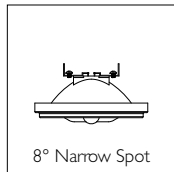
60° Wide Flood



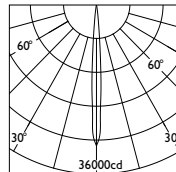
0° AIMING ANGLE			
d (ft)	fc	w	l
3	156	3'6"	3'6"
6	39	6'11"	6'11"
9	17	10'5"	10'5"
12	10	13'10"	13'10"
15	6	17'4"	17'4"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	55	4'11"	10'5"
6	14	9'10"	20'9"
9	6	14'8"	31'2"
12	3	19'7"	41'7"
15	2	24'6"	50'0"

75W AR111 HALOGEN

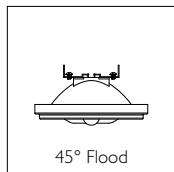


8° Narrow Spot

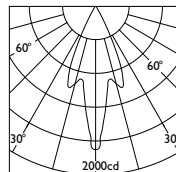


0° AIMING ANGLE			
d (ft)	fc	w	l
3	3333	0'5"	0'5"
6	833	0'10"	0'10"
9	370	1'3"	1'3"
12	208	1'8"	1'8"
15	133	2'1"	2'1"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	1179	0'7"	0'10"
6	295	1'2"	1'8"
9	131	1'9"	2'6"
12	74	2'4"	3'4"
15	47	3'0"	4'3"



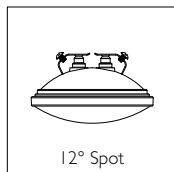
45° Flood



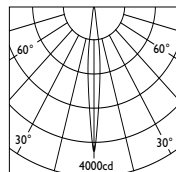
0° AIMING ANGLE			
d (ft)	fc	w	l
3	189	2'6"	2'6"
6	47	5'0"	5'0"
9	21	7'5"	7'5"
12	12	9'11"	9'11"
15	8	12'5"	12'5"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	67	3'6"	6'0"
6	17	7'0"	12'0"
9	7	10'7"	18'0"
12	4	14'1"	24'0"
15	3	17'7"	30'0"

50W PAR36 HALOGEN

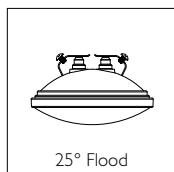


12° Spot

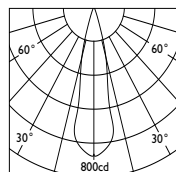


0° AIMING ANGLE			
d (ft)	fc	w	l
3	365	0'8"	0'8"
6	91	1'3"	1'3"
9	41	1'11"	1'11"
12	23	2'6"	2'6"
15	15	3'2"	3'2"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	129	0'11"	1'3"
6	32	1'9"	2'7"
9	14	2'8"	3'10"
12	8	3'7"	5'1"
15	5	4'6"	6'5"



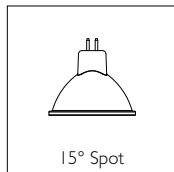
25° Flood



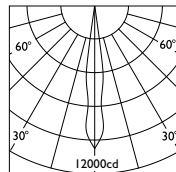
0° AIMING ANGLE			
d (ft)	fc	w	l
3	77	1'4"	1'4"
6	19	2'8"	2'8"
9	9	4'0"	4'0"
12	5	5'4"	5'4"
15	3	6'8"	6'8"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	27	1'11"	2'10"
6	7	3'9"	5'7"
9	3	5'8"	8'5"
12	2	7'6"	11'2"
15	1	9'5"	14'0"

50W MR16 HALOGEN

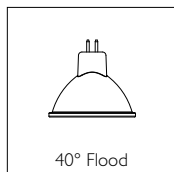


15° Spot

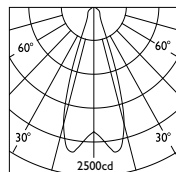


0° AIMING ANGLE			
d (ft)	fc	w	l
3	1133	0'9"	0'9"
6	283	1'7"	1'7"
9	126	2'4"	2'4"
12	71	3'2"	3'2"
15	45	3'11"	3'11"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	401	1'1"	1'7"
6	100	2'3"	3'3"
9	45	3'4"	4'10"
12	25	4'6"	6'5"
15	16	5'7"	8'0"



40° Flood



0° AIMING ANGLE			
d (ft)	fc	w	l
3	206	2'2"	2'2"
6	51	4'4"	4'4"
9	23	6'7"	6'7"
12	13	8'9"	8'9"
15	8	10'11"	10'11"

45° AIMING ANGLE			
d (ft)	fc	w	l
3	73	3'1"	5'0"
6	18	6'2"	10'1"
9	8	9'3"	15'1"
12	5	12'4"	20'2"
15	3	15'5"	25'2"

INDEX

100W CDM PAR38 HID.....	10	LENS-40-CRL.....	4 - 8	MT7-IX1-N.....	13
39W CDM T6 G12.....	9	LENS-40-DIC-COLOR.....	4 - 8	MT7-IX1-R.....	14
50W MR16.....	31, 36	LENS-40-HCL.....	4 - 8	MT7-IX2-N.....	15
50W PAR36.....	20, 36	LENS-40-SNOOT.....	4 - 8	MT7-IX2-R.....	16
70W CDM PAR30 HID.....	10	MR16.....	23 - 30	MT7-IX3-N.....	17
70W CDM T6 G12.....	9	MT-116HS.....	35	MT7-IX4-N.....	18
71W MR16.....	31	MT-116.....	35	MT7-2X2-N.....	19
75W ARI11.....	20, 36	MT-136HS.....	34	MT9-IX1-N.....	4
75W PAR30.....	20	MT-136.....	34	MT9-IX2-N.....	5
90W PAR38.....	10, 36	MT-138HS.....	33	MT9-IX3-N.....	6
ARI11.....	13 - 19	MT-138.....	33	MT9-IX4-N.....	7
CR30.....	4 - 8	MT-216HS.....	35	MT9-2X2-N.....	8
CR38.....	4 - 8	MT-216.....	35	MT-ARI11.....	13 - 19
LENS-111-COLOR.....	4 - 8, 13 - 19	MT-236HS.....	34	MT-CDMPAR30-70.....	4 - 8
LENS-111-CRL.....	4 - 8, 13 - 19	MT-236.....	34	MT-CDMPAR38-100.....	4 - 8
LENS-111-DIC-COLOR.....	4 - 8, 13 - 19	MT-238HS.....	33	MT-CDMT6-35N.....	4 - 8
LENS-111-HCL.....	4 - 8, 13 - 19	MT-238.....	33	MT-CDMT6-35W.....	4 - 8
LENS-111-SNOOT.....	4 - 8, 13 - 19	MT-316HS.....	35	MT-CDMT6-70N.....	4 - 8
LENS-16-COLOR.....	23 - 30	MT-316.....	35	MT-CDMT6-70W.....	4 - 8
LENS-16-CRL.....	23 - 30	MT-336HS.....	34	MT-MR16.....	23 - 30
LENS-16-DIC-COLOR.....	23 - 30	MT-336.....	34	MT-PAR30.....	13 - 19
LENS-16-HCL.....	23 - 30	MT4-IX1-N.....	23	MT-PAR38.....	4 - 8
LENS-16-SNOOT.....	23 - 30	MT4-IX1-R.....	24	PR30.....	13 - 19
LENS-38-COLOR.....	4 - 8	MT4-IX2-N.....	25	PR38.....	4 - 8
LENS-38-CRL.....	4 - 8	MT4-IX2-R.....	26	T35N.....	4 - 8
LENS-38-DIC-COLOR.....	4 - 8	MT4-IX3-N.....	27	T35W.....	4 - 8
LENS-38-HCL.....	4 - 8	MT4-IX4-N.....	28	T70N.....	4 - 8
LENS-38-SNOOT.....	4 - 8	MT4-IX6-N.....	29	T70W.....	4 - 8
LENS-40-COLOR.....	4 - 8	MT4-2X2-N.....	20		



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