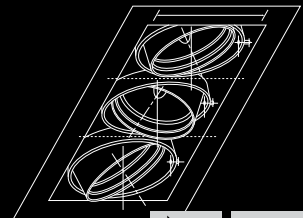


Modular Multiples[®]

The Original Multiple Light Family of Fixtures

Overview



Modular Multiples®

The Original Multiple Light Family of Fixtures

Modular International's reputation for superior design solutions is well earned. We created the original multiple lamp fixture concept and continue to be a pioneer in the movement to LED commercial lighting in the United States, Europe and Asia. We are well known world-wide for our rigorous standards in the manufacture of recessed, Aperture®, surface, baffled and stainless steel lighting fixtures.

Modular excels in the development of distinctive, unique programs for commercial and residential applications and holds domestic and international patents and trademarks.

With a comprehensive product line and the ability to customize to meet nearly any special need, we provide the world's leading architects, interior designers, and lighting consultants with the means to express lighting innovations with beauty, efficiency, flexibility, and performance.

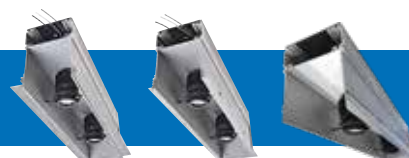
1

Apertures®
Recessed - Trimless



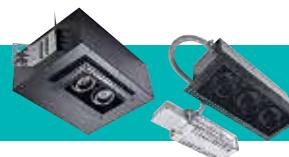
2

Linears®
Recessed - Trimless/Trimmed/Flangeless



3

Trimless
Recessed - New/Old Work



4

Trimmed
Recessed - New/Old Work



5

Solid Surface
Surface, Stem, or Cable Mounted



6

Boomerang
Surface or Stem Mounted



7

Grid
Surface or Cable Mounted



Modular Multiples®

The Original Multiple Light Family of Fixtures

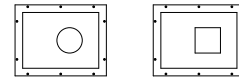
Apertures® Recessed - Trimless



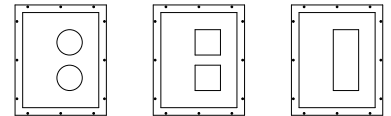
- Configurations:**
- 1, 2, 3, 4 light sources standard.
 - Rectangular, round, and square apertures standard.
 - Standard throat depth of 1-1/4" (32mm).
 - Customization available.



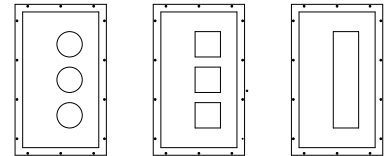
- Housing:**
- Fabricated 18 gauge steel housing connected to preformed panel with tape edge on all sides that mates to 5/8" (16mm) drywall or plaster.
 - Available for airtight or IC rated applications.



- Finishes:**
- Housing and ring sets powder coated – white or black standard.
 - Custom colors available.
 - Stainless steel / satin nickel available.
 - Panel provided with a white primer finish.

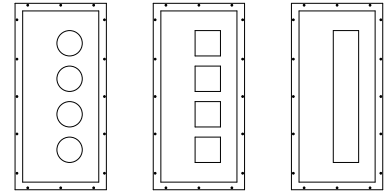


- Electrical:**
- One driver/transformer incorporated per light source for multi-circuit wiring.
 - Phase, 0-10V, DALI-2, and DMX dimming options available. Consult factory for available driver options.
 - 120/277V available.
 - Listed to UL1598 standards.

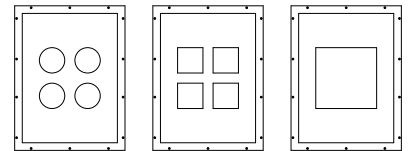


Light Sources: **579e** **Dim-to-Warm** **tunable white**

- **579e LED Modules.** Static White: 2700K (27), 3000K (30), 3500K (35), 4000K (40). See page 19.
- **Dim-to-Warm LED Modules.** 1800K-3000K (1830). See page 20.
- **Tunable White LED Modules.** 2700K-6500K (2765). See pages 21 - 22.
- **LED legacy light source replacements:**
MR16LED (-BLD) AR111LED (-DLD) PAR30LED (-GLD) PAR38LED (-JLD)

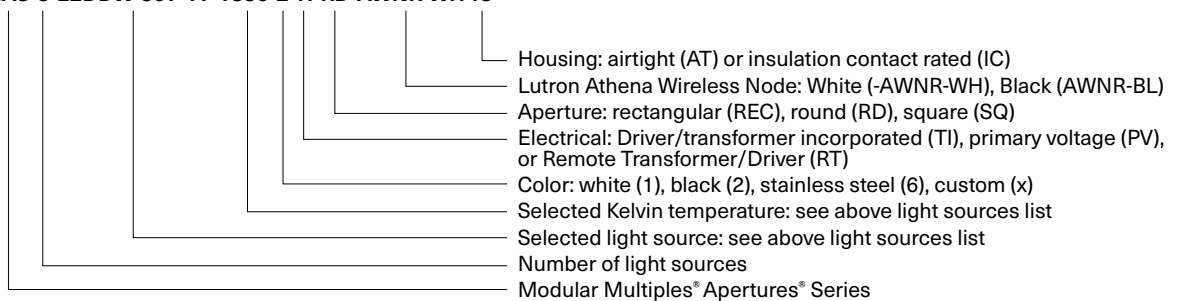


- Mounting:**
- Housings supported from above with 3/8" (9mm) all-thread rods.
 - Panels designed to be secured to ceiling framing structure via flat head screws through holes provided in tape edge.



- Options:**
- Patented aluminum ring sets and locking devices.
 - Pull down yokes.
 - Filter rings and shielding cylinders.
 - Filter media: up to two 1/8" (3mm) thick filter per light source.
 - Lutron Athena Wireless Node (white or black finish available).

Model # example: **MAS-3-LEDDW-507-17-1830-2-TI-RD-AWNR-WH-IC**





Modular Multiples®

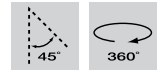
The Original Multiple Light Family of Fixtures



Linears®

Recessed - Trimless/Trimmed/Flangeless

- Configurations:**
- Light sources spaced 6" (152mm) on center or greater.
 - Light source size determines minimum width, maximum length is unrestricted.
 - Optional extendable yokes increase flexibility of the light source orientation.
 - Available in symmetric and asymmetric configurations.
 - Uses all LED modules and light sources.
-
- Housing:**
- Extruded aluminum profile with a series of internal steel plates – single lengths up to 10' (3m).
 - Connection hardware available for joining multiple pieces to make longer continual lengths.
 - Available with extruded aluminum trim, trimless housing with spackle flange, or flangeless.
 - 90° and 45° corner sections available. Consult factory for custom angles and shapes.
 - Consult factory for details about integration of HVAC, speakers, sprinklers, sensors, cameras, etc.
-
- Finishes:**
- Housing and ring sets powder coated.
 - White, black or aluminum standard.
 - Custom colors available.
-
- Electrical:**
- One driver/transformer incorporated per light source for multi-circuit wiring.
 - Phase, 0-10V, DALI-2, and DMX dimming options available. Consult factory for driver options.
 - 120/277V available.
 - Listed to UL1598 standards.

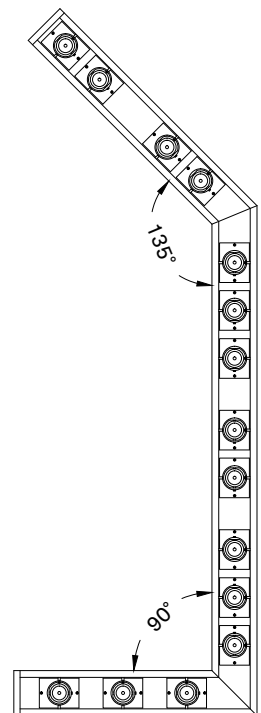


Light Sources: **579e** Dim-to-Warm tunable white

- **579e LED Modules.** Static White: 2700K (27), 3000K (30), 3500K (35), 4000K (40). See page 19.
- **Dim-to-Warm LED Modules.** 1800K-3000K (1830). See page 20.
- **Tunable White LED Modules.** 2700K-6500K (2765). See pages 21 - 22.
- **LED legacy light source replacements:**
MR16LED (-BLD) AR111LED (-DLD) PAR30LED (-GLD) PAR38LED (-JLD)

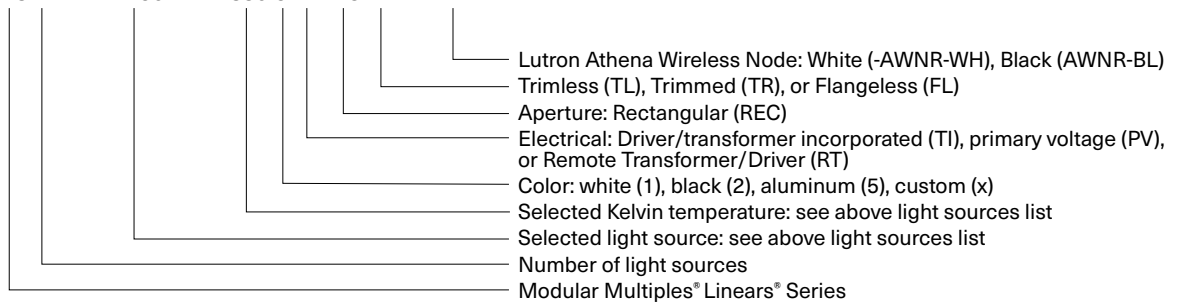
- Mounting:**
- Fixture is designed to be supported from above with 3/8" (9mm) all-thread rods.
 - Access plates for all thread attachment are positioned throughout the fixture body based on fixture length and light source spacing allowing for access from below.
 - In addition to the all thread rods, the Trimless models have a spackle flange that will allow for fixture to be secured to surrounding ceiling or wall structure via screws and flange covered with spackling compound for a smooth finished appearance.

- Options:**
- Patented aluminum ring sets and locking devices.
 - Pull down yokes.
 - Filter rings and shielding cylinders.
 - Filter media: up to two 1/8" (3mm) thick filter per light source.
 - Lutron Athena Wireless Node (white or black finish available).



Model # example:

MLS-2-LEDDW-507-17-1830-5-TI-REC-TL-AWNR-WH





Modular Multiples®

The Original Multiple Light Family of Fixtures

Trimless

Recessed - New Work

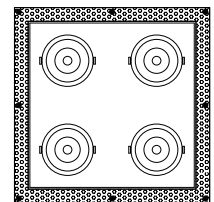
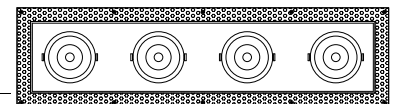
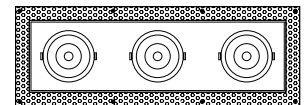
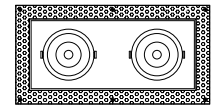
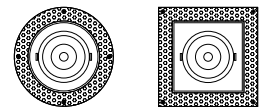


- Configurations:**
- 1, 2, 3, 4 light sources standard.
 - Custom configurations available.

- Housing:**
- Fabricated 18 gauge steel housing with perforated spackle flange.
 - Available for airtight or IC rated applications.

- Finishes:**
- Housing and ring sets powder coated – white or black standard.
 - Custom colors available.
 - Stainless steel / satin nickel available.

- Electrical:**
- One driver/transformer incorporated per light source for multi-circuit wiring.
 - Phase, 0-10V, DALI-2, and DMX dimming options available. Consult factory for available driver options.
 - 120/277V available.
 - Listed to UL1598 standards.



Light Sources: 579e Dim-to-Warm tunable white

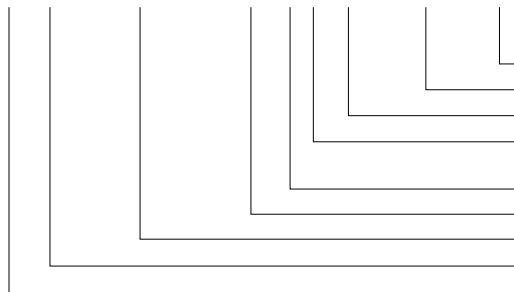


- **579e LED Modules.** Static White: 2700K (27), 3000K (30), 3500K (35), 4000K (40). See page 19.
- **Dim-to-Warm LED Modules.** 1800K-3000K (1830). See page 20.
- **Tunable White LED Modules.** 2700K-6500K (2765). See pages 21 - 22.
- **LED legacy light source replacements:**
MR16LED (-BLD) AR111LED (-DLD) PAR30LED (-GLD) PAR38LED (-JLD)

- Mounting:**
- For new construction applications.
 - Recessed housing installed via adjustable universal mounting brackets and bar hangers prior to the installation of drywall.
 - After drywall installation, perforated flange is secured to the housing.
 - Spackling compound is applied over flange for finished appearance.

- Options:**
- Patented aluminum ring sets and locking devices.
 - Pull down yokes.
 - Filter rings and shielding cylinders.
 - Filter media: up to two 1/8" (3mm) thick filter per light source.
 - Lutron Athena Wireless Node (white or black finish available).

Model # example: MTL5-2-LEDDW-507-17-1830-2-TI-REC-AWNR-WH-IC



- Housing: airtight (AT) or insulation contact rated (IC)
- Lutron Athena Wireless Node: White (-AWNR-WH), Black (AWNR-BL)
- Aperture: rectangular (REC), round (RD), square (SQ)
- Electrical: Driver/transformer incorporated (TI), primary voltage (PV), or Remote Transformer/Driver (RT)
- Color: white (1), black (2), stainless steel (6), custom (x)
- Selected Kelvin temperature: see above light sources list
- Selected light source: see above light sources list
- Number of light sources
- Modular Multiples® Trimless Series

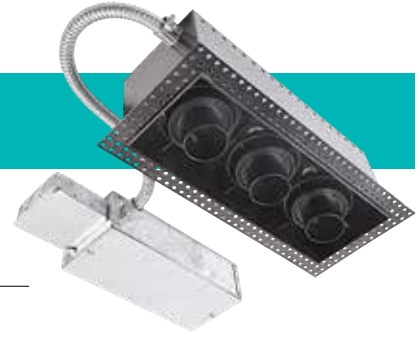


Modular Multiples®

The Original Multiple Light Family of Fixtures

Trimless

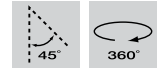
Recessed - Old Work



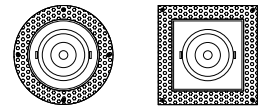
- Configurations:**
- 1, 2, 3, 4 light sources standard.
 - Custom configurations available.

- Housing:**
- Fabricated 18 gauge steel housing with perforated spackle flange.

- Finishes:**
- Housing and ring sets powder coated – white or black standard.
 - Custom colors available.
 - Stainless steel / satin nickel available.

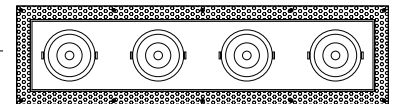
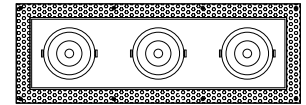
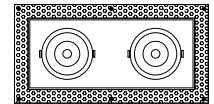


- Electrical:**
- One driver/transformer incorporated per light source for multi-circuit wiring.
 - Phase, 0-10V, DALI-2, and DMX dimming options available. Consult factory for available driver options.
 - 120/277V available.
 - Listed to UL1598 standards.

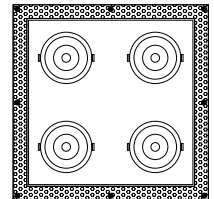


Light Sources: 579e  tunable white 

- **579e LED Modules.** Static White: 2700K (27), 3000K (30), 3500K (35), 4000K (40). See page 19.
- **Dim-to-Warm LED Modules.** 1800K-3000K (1830). See page 20.
- **Tunable White LED Modules.** 2700K-6500K (2765). See pages 21 - 22.
- **LED legacy light source replacements:**
MR16LED (-BLD) AR111LED (-DLD) PAR30LED (-GLD) PAR38LED (-JLD)

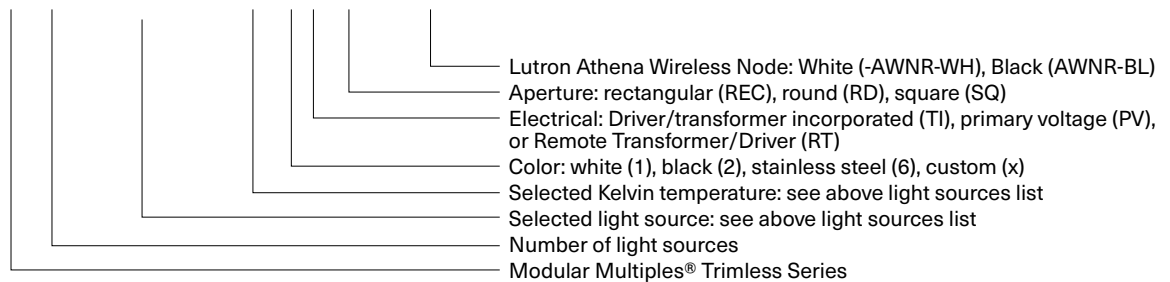


- Mounting:**
- For applications where ceilings are currently installed.
 - An opening is cut into the ceiling material to fit the trimless mounting frame, which is secured with the appropriate hardware.
 - Spackling compound is applied over the perforated flange and finished for a smooth appearance.
 - Fixture wiring connections are made and fixture is inserted through the installed frame and sat in place on top of the frame and secured with provided hardware.



- Options:**
- Patented aluminum ring sets and locking devices.
 - Pull down yokes.
 - Filter rings and shielding cylinders.
 - Filter media: up to two 1/8" (3mm) thick filter per light source.
 - Lutron Athena Wireless Node (white or black finish available).

Model # example: MTL5-3-LEDDW-507-17-1830-2-TI-REC-AWNR-WH



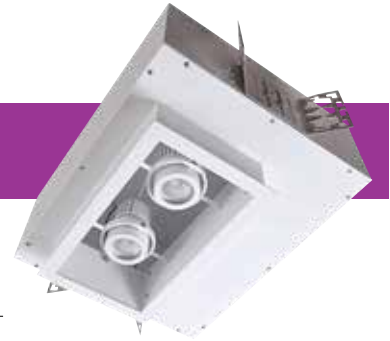


Modular Multiples®

The Original Multiple Light Family of Fixtures

Trimmed

Recessed - New Work

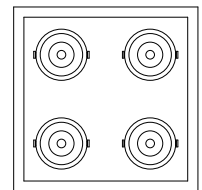
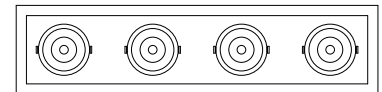
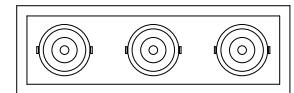
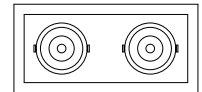
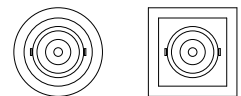
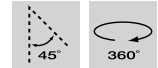


- Configurations:**
- 1, 2, 3, 4 light sources standard.
 - Custom configurations available.

- Housing:**
- Fabricated 18 gauge steel supplied with adjustable mounting brackets.
 - 14 gauge steel trim flange.
 - Available for airtight or IC rated applications.

- Finishes:**
- Housing and ring sets powder coated – white or black standard.
 - Custom colors available.
 - Stainless steel / satin nickel available.

- Electrical:**
- One driver/transformer incorporated per light source for multi-circuit wiring.
 - Phase, 0-10V, DALI-2, and DMX dimming options available. Consult factory for available driver options.
 - 120/277V available.
 - Listed to UL1598 standards.



Light Sources:



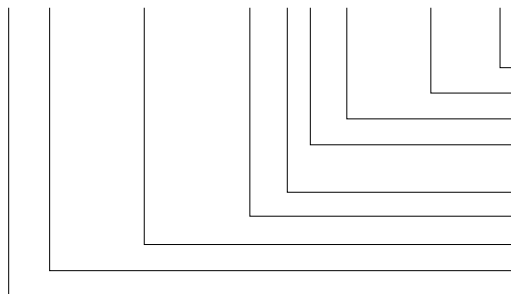
- **579e LED Modules.** Static White: 2700K (27), 3000K (30), 3500K (35), 4000K (40). See page 19.
- **Dim-to-Warm LED Modules.** 1800K-3000K (1830). See page 20.
- **Tunable White LED Modules.** 2700K-6500K (2765). See pages 21 - 22.
- **LED legacy light source replacements:**
MR16LED (-BLD) AR111LED (-DLD) PAR30LED (-GLD) PAR38LED (-JLD)

- Mounting:**
- For new construction applications.
 - Recessed housing installed via adjustable universal mounting brackets and bar hangers prior to the installation of drywall.
 - Fixture designed for ceiling material with max. thickness of 2" (51 mm).

- Options:**
- Patented aluminum ring sets and locking devices.
 - Pull down yokes.
 - Filter rings and shielding cylinders.
 - Filter media: up to two 1/8" (3mm) thick filter per light source.
 - Lutron Athena Wireless Node (white or black finish available).

Model # example:

MTRS-2-LEDDW-507-17-1830-1-TI-REC-AWNR-WH-IC



- Housing: airtight (AT) or insulation contact rated (IC)
- Lutron Athena Wireless Node: White (-AWNR-WH), Black (AWNR-BL)
- Aperture: rectangular (REC), round (RD), square (SQ)
- Electrical: Driver/transformer incorporated (TI), primary voltage (PV), or Remote Transformer/Driver (RT)
- Color: white (1), black (2), stainless steel (6), custom (x)
- Selected Kelvin temperature: see above light sources list
- Selected light source: see above light sources list
- Number of light sources
- Modular Multiples® Trimmed Series



RAZORBACKS

Modular Multiples®

The Original Multiple Light Family of Fixtures

Trimmed

Recessed - Old Work

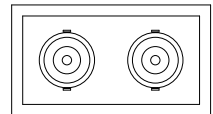
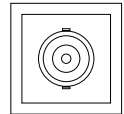
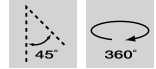


- Configurations:**
- 1, 2, 3, 4 light sources standard
 - custom configurations available.

- Housing:**
- Fabricated 18 gauge steel supplied with adjustable mounting brackets.
 - 14 gauge steel trim flange.

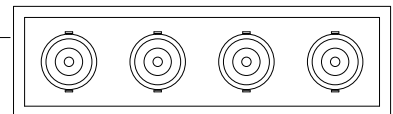
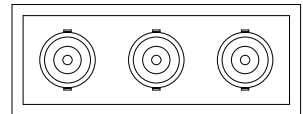
- Finishes:**
- Housing and ring sets powder coated – white or black standard.
 - Custom colors available.
 - Stainless steel/satin nickel available.

- Electrical:**
- One driver/transformer attached per light source for multi-circuit wiring.
 - Phase, 0-10V, DALI-2, and DMX dimming options available. Please consult factory for available driver options.
 - 120/277V available.
 - Listed to UL1598 standards.



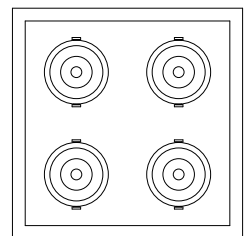
Light Sources: 579e Dim-to-Warm tunable white

- **579e LED Modules.** Static White: 2700K (27), 3000K (30), 3500K (35), 4000K (40). See page 19.
- **Dim-to-Warm LED Modules.** 1800K-3000K (1830). See page 20.
- **Tunable White LED Modules.** 2700K-6500K (2765). See pages 21 - 22.
- **LED legacy light source replacements:**
MR16LED (-BLD) AR111LED (-DLD) PAR30LED (-GLD) PAR38LED (-JLD)

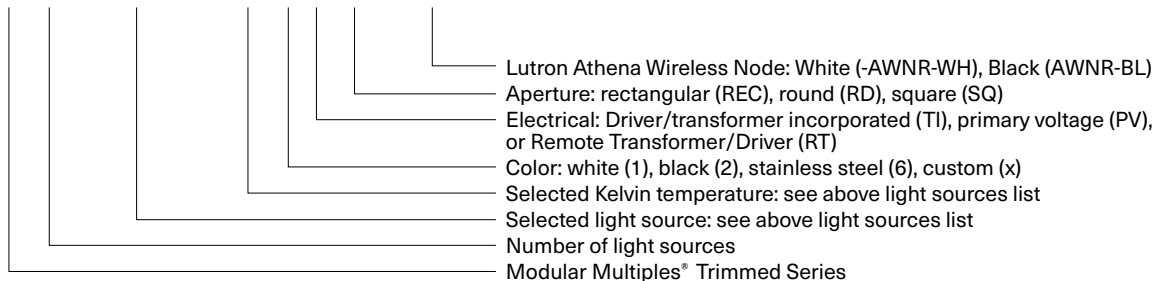


- Mounting:**
- For applications where ceilings are currently installed.
 - An opening is cut into the ceiling material to fit the Mounting Frame.
 - Housing connected to 18 gauge galvanized steel transformer/wiring section via 24" (610mm) flexible metal conduit
 - Fixture wiring connections are made and fixture is inserted through the installed frame and secured with provided hardware

- Options:**
- Patented aluminum ring sets and locking devices.
 - Pull down yokes.
 - Filter rings and shielding cylinders.
 - Filter media: up to two 1/8" (3mm) thick filter per light source.
 - Lutron Athena Wireless Node (white or black finish available).



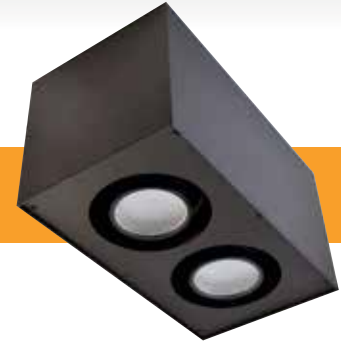
Model # example: MTRS-3-LEDDW-507-17-1830-1-TA-REC-AWNR-WH





Modular Multiples®

The Original Multiple Light Family of Fixtures



Solid Surface

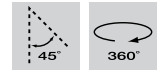
Surface, Stem, or Cable Mounted

- Configurations:**
- 1, 2, 3, 4 light sources standard.
 - Round apertures standard.
 - Custom configurations available.

- Housing:**
- Extruded aluminum body.
 - 14 gauge steel face plate.

- Finishes:**
- Housing and ring sets powder coated – White or black standard.
 - Custom colors available.

- Electrical:**
- One driver/transformer incorporated per light source for multi-circuit wiring.
 - Phase, 0-10V, DALI-2, and DMX dimming options available. Consult factory for driver options.
 - 120/277V available.
 - Listed to UL1598 standards.



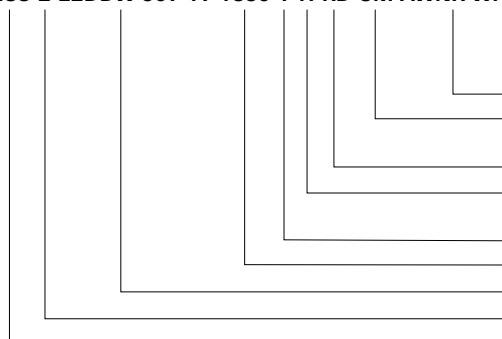
Light Sources: **579e**  Dim-to-Warm  tunable white

- **579e LED Modules.** Static White: 2700K (27), 3000K (30), 3500K (35), 4000K (40). See page 19.
- **Dim-to-Warm LED Modules.** 1800K-3000K (1830). See page 20.
- **Tunable White LED Modules.** 2700K-6500K (2765). See pages 21 - 22.
- **LED legacy light source replacements:**
MR16LED (-BLD) AR111LED (-DLD) PAR30LED (-GLD) PAR38LED (-JLD)

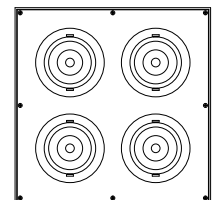
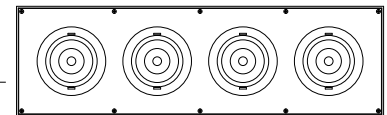
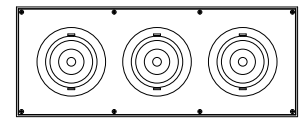
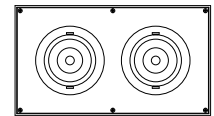
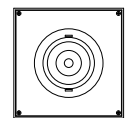
- Mounting:**
- For applications where ceilings are currently installed.
 - Can be wall, ceiling, canopy or pendant mounted with 1/16" (2mm) braided stainless steel cables.
 - Secure to ceiling or wall structure with the appropriate hardware.

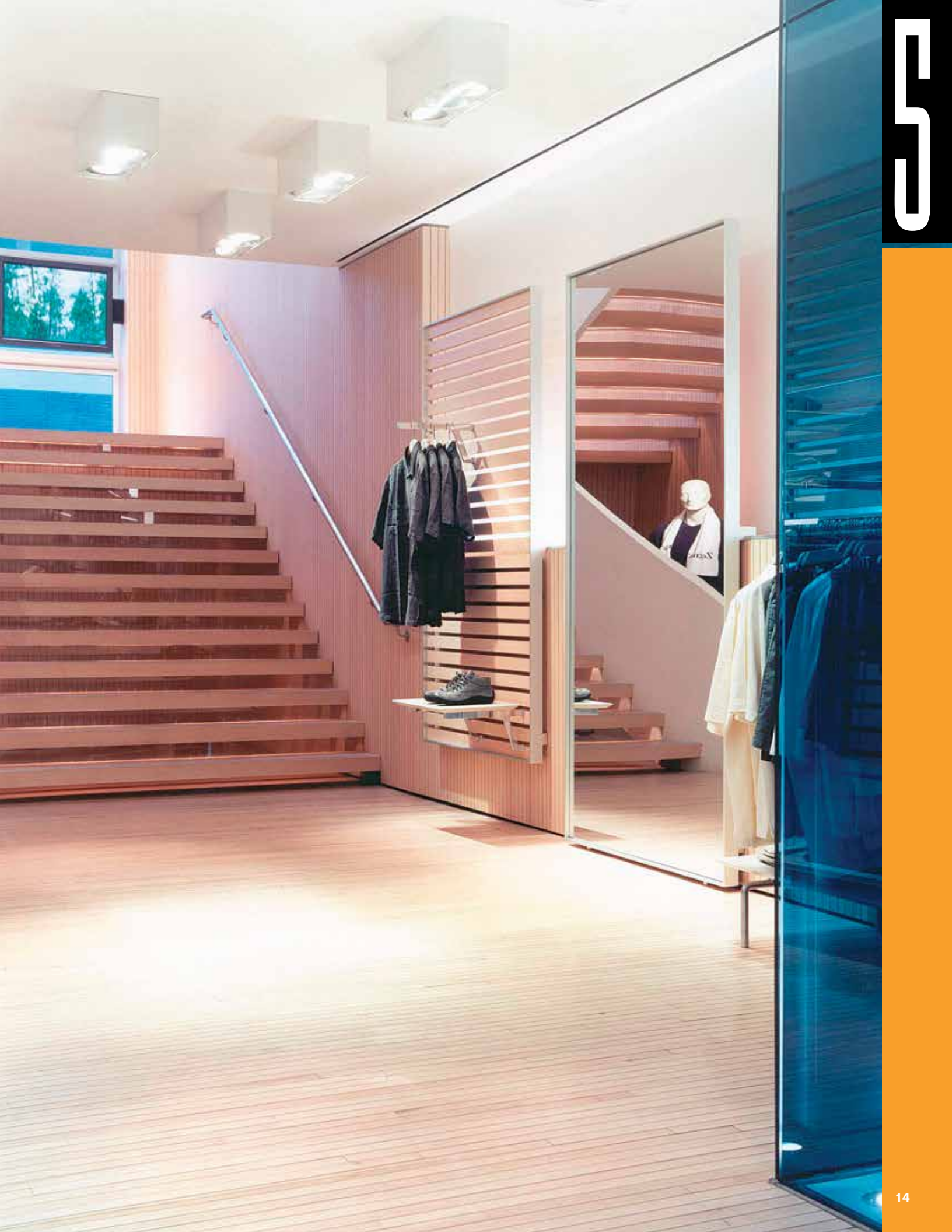
- Options:**
- Patented aluminum ring sets and locking devices.
 - Pull down yokes.
 - Filter rings and shielding cylinders.
 - Filter media: up to two 1/8" (3mm) thick filter per light source.
 - Lutron Athena Wireless Node (white or black finish available).

Model # example: MSS-2-LEDDW-507-17-1830-1-TI-RD-SM-AWNR-WH



- Lutron Athena Wireless Node: White (-AWNR-WH), Black (AWNR-BL)
- Mounting: Cable Mounted (CM), Surface Mounted (SM), or Stem Mounted (ST)
- Aperture: Round (RD), Square (SQ), or (X) Custom
- Electrical: Driver/transformer incorporated (TI), primary voltage (PV), or Remote Transformer/Driver (RT)
- Color: white (1), black (2), aluminum (5), custom (x)
- Selected Kelvin temperature: see above light sources list
- Selected light source: see above light sources list
- Number of light sources
- Modular Multiples® Surface Series





Modular Multiples®

The Original Multiple Light Family of Fixtures

6

Boomerang Surface or Stem Mounted



Configurations: • 1, 2, 4 light sources standard.

Housing:

- Extruded and machined aluminum body.
- 16 gauge stainless steel canopy.

Finishes:

- Stainless steel/satin nickel rings and canopy.
- Silver powder coated accent pieces standard.
- Powder coated custom colors available.

Electrical:

- One driver/transformer incorporated per light source for multi-circuit wiring.
- Phase, 0-10V, DALI-2, and DMX dimming options available. Consult factory for driver options.
- 120/277V available.
- Listed to UL1598 standards.

Light Sources: Elements™ LED Modules. See page 22.

16w LED-516-14	16w LED-516-21	16w LED-516-34
30w LED-530-14	30w LED-530-21	30w LED-530-34

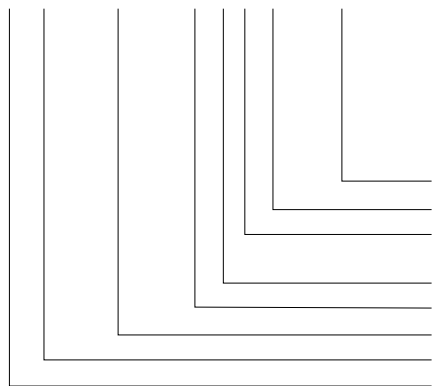
Mounting:

- Recessed or surface mounted canopies available

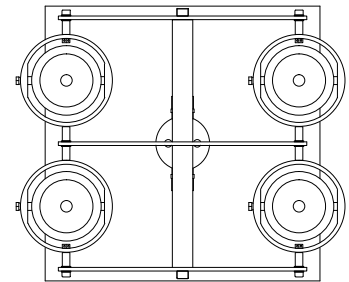
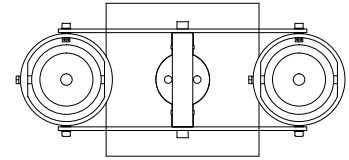
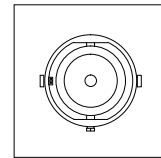
Options:

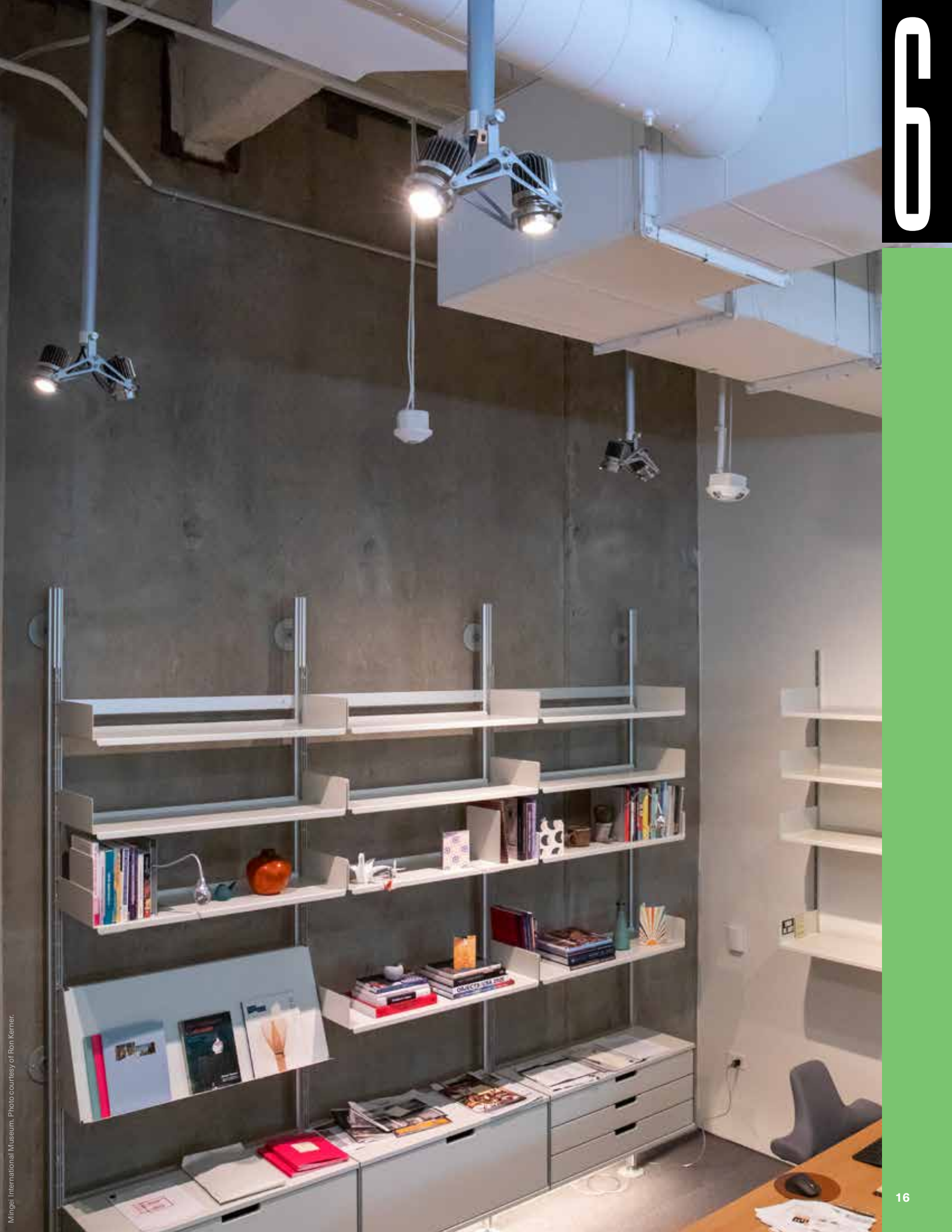
- Patented aluminum ring sets and locking devices.
- Filter rings and shielding cylinders.
- Filter media: one 1/8" (3mm) thick filter per light source.
- Lutron Athena Wireless Node – white or black finish available.

Model # example: MBS-4-LED-530-14-30-6-TI-RC-AWNR-WH



Lutron Athena Wireless Node: White (-AWNR-WH), Black (AWNR-BL)
 Canopy: Recessed Canopy (RC), Surface Canopy (SC), or Stem Mounted (ST)
 Electrical: Driver/transformer incorporated (TI), primary voltage (PV), or Remote Transformer/Driver (RT)
 Color: white (1), black (2), stainless steel (6), custom (x)
 Selected kelvin temperature: 2850°K (28), 3000°K (30)
 Light sources: see above light sources list
 Number of light sources
 Modular Multiples® Boomerang Series





Mingqi International Museum. Photo courtesy of Ron Kerner.

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Grid

Surface or Cable Mounted

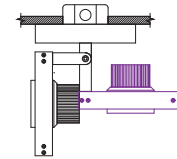
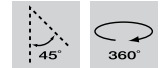


- Configurations:**
- 2, 3, 4 light sources standard.
 - Custom configurations available.

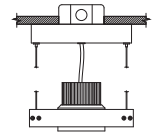
- Housing:**
- Extruded and waterjet cut aluminum components.

- Finishes:**
- Powder coated white, black and aluminum standard.
 - Custom colors available.

- Electrical:**
- One driver/transformer incorporated per light source for multi-circuit wiring.
 - Phase, 0-10V, DALI-2, and DMX dimming options available. Consult factory for driver options.
 - 120/277V available.
 - Listed to UL1598 standards.



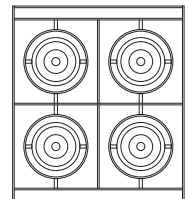
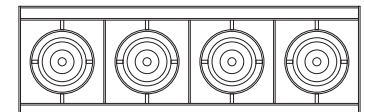
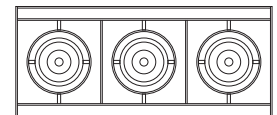
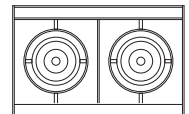
SURFACE MOUNTING



CABLE MOUNTING

Light Sources: **579e** **Dim-to-Warm** **tunable white**

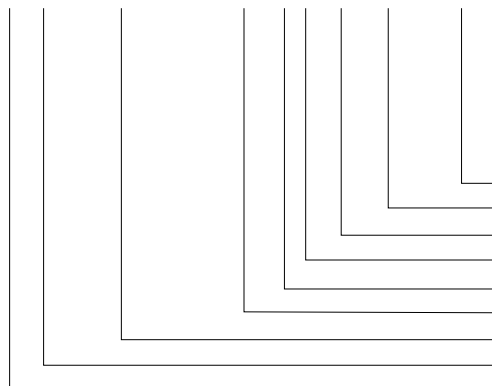
- **579e LED Modules.** Static White: 2700K (27), 3000K (30), 3500K (35), 4000K (40). See page 19.
- **Dim-to-Warm LED Modules.** 1800K-3000K (1830). See page 20.
- **Tunable White LED Modules.** 2700K-6500K (2765). See pages 21 - 22.
- **LED legacy light source replacements:**
MR16LED (-BLD) AR111LED (-DLD) PAR30LED (-GLD) PAR38LED (-JLD)



- Mounting:**
- For applications where ceilings are currently installed.
 - Can be wall, ceiling, canopy or pendent mounted with 1/16" (2mm) braided stainless steel cables.
 - Secure to ceiling or wall structure with the appropriate hardware.

- Options:**
- Patented aluminum ring sets and locking devices.
 - Pull down yokes.
 - Filter rings and shielding cylinders.
 - Filter media: up to two 1/8" (3mm) thick filter per light source.
 - Lutron Athena Wireless Node (white or black finish available).

Model # example: **MGS-4-LEDDW-507-17-1830-1-TI-REC-SM-AWNR-WH**



- Lutron Athena Wireless Node: White (-AWNR-WH), Black (AWNR-BL)
- Mounting: cable mounted (CM) or surface mounted (SM)
- Configuration: rectangular (REC), square (SQ)
- Electrical: Driver/transformer incorporated (TI), primary voltage (PV), or Remote Transformer/Driver (RT)
- Color: white (1), black (2), aluminum (5), custom (x)
- Selected Kelvin temperature: see above light sources list
- Selected light source: see above light sources list
- Number of light sources
- Modular Multiples® Grid Series



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579e LED Modules

All delivered lumen values were tested at 2700K with finish ring at nominal mA rates & below. Available in 2700K, 3000K, 3500K, and 4000K.

Model Number	Watts	Beam Angle	CRI	Delivered Lumens	Lumens per watt
LED-506-17	6	17°	90+	836	139
LED-506-30	6	30°	90+	853	142
LED-506-40	6	40°	90+	825	137
LED-506-55	6	55°	90+	744	124
LED-508-17	8	17°	90+	1,115	139
LED-508-30	8	30°	90+	1,036	129
LED-508-40	8	40°	90+	1,048	131
LED-508-55	8	55°	90+	993	124
LED-510-17	10	17°	90+	1,350	135
LED-510-30	10	30°	90+	1,260	126
LED-510-40	10	40°	90+	1,268	126
LED-510-55	10	55°	90+	1,209	120
LED-511-17	11	17°	90+	1,488	135
LED-511-30	11	30°	90+	1,397	127
LED-511-40	11	40°	90+	1,404	127
LED-511-55	11	55°	90+	1,328	121
LED-512-17	12	17°	90+	1,488	135
LED-512-30	12	30°	90+	1,397	127
LED-512-40	12	40°	90+	1,404	127
LED-512-55	12	55°	90+	1,328	121
LED-712-20	12	20°	90+	1,763	146
LED-712-30	12	30°	90+	1,752	146
LED-712-40	12	40°	90+	1,652	137
LED-712-55	12	55°	90+	1,715	142
LED-714-20	14	20°	90+	1,957	139
LED-714-30	14	30°	90+	1,931	137
LED-714-40	14	40°	90+	1,834	131
LED-714-55	14	55°	90+	1,910	136
LED-716-20	16	20°	90+	2,214	138
LED-716-30	16	30°	90+	2,182	136
LED-716-40	16	40°	90+	2,080	130
LED-716-55	16	55°	90+	2,155	134
LED-720-20	20	20°	90+	2,746	137
LED-720-30	20	30°	90+	2,671	133
LED-720-40	20	40°	90+	2,533	126
LED-720-55	20	55°	90+	2,656	132
LED-920-35	20	35°	90+	3,028	151
LED-920-45	20	45°	90+	2,993	149
LED-920-60	20	60°	90+	3,019	151
LED-920-90	20	90°	90+	3,112	156
LED-926-35	26	35°	90+	3,868	148
LED-926-45	26	45°	90+	3,813	146
LED-926-60	26	60°	90+	3,871	148
LED-926-90	26	90°	90+	3,985	153
LED-929-35	29	35°	90+	4,264	147
LED-929-45	29	45°	90+	4,190	144
LED-929-60	29	60°	90+	4,272	147
LED-929-90	29	90°	90+	4,406	152
LED-932-35	32	35°	90+	4,645	145
LED-932-45	32	45°	90+	4,575	142
LED-932-60	32	60°	90+	4,652	145
LED-932-90	32	90°	90+	4,819	151
LED-935-35	35	35°	90+	5,034	143
LED-935-45	35	45°	90+	4,986	142
LED-935-60	35	60°	90+	5,095	145
LED-935-90	35	90°	90+	5,224	149

Lumen Multiplier (90+ CRI)

2700K (1.0)
3000K (1.038)
3500K (1.058)
4000K (1.097)

- Filter Ring (-FR) addition produces a light loss factor of 10-12% prior to filter media being added. Consult factory for .ies files and final output data when specifying filter media.
- Shielding Cylinder (-CY) addition produces a light loss factor of 20-22% prior to filter media being added. Consult factory for .ies files and final output data when specifying filter media.

- L70 reported at 85°C = > 55,000 hours (L70B50 calculated) 200,000 hours.
- L80 reported at 85°C = >55,000 hours (L80B50 calculated) 123,000 hours.
- L90 reported at 85°C = > 55,000 hours (L90B50 calculated) 56,000 hours.

Lumen Maintenance

Ambient Temp.	TM-21	L70 hours Theoretical	L80 hours Theoretical	L90 hours Theoretical
25°C	> 90.98	200,000	123,000	56,000

Please consult factory for additional information

- IES files (also available on website)
- Photometric reports
- TM-30 reports
- ISO diagrams and measurements
- UGR ratings and evaluations



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Dim-to-Warm LED Modules

All delivered lumen values were tested at 3000K with finish ring at nominal mA rates & below.

Model Number	Watts	Beam Angle	CRI	Lumens	Lumens per watt
LEDDW-506-17	6.1	17°	90+	482	79
LEDDW-506-30	6.1	30°	90+	481	78
LEDDW-506-40	6.1	40°	90+	475	79
LEDDW-506-55	6.1	55°	90+	426	79
LEDDW-508-17	7.9	17°	90+	668	85
LEDDW-508-30	7.9	30°	90+	671	85
LEDDW-508-40	8	40°	90+	666	83
LEDDW-508-55	8	55°	90+	601	75
LEDDW-510-17	10	17°	90+	856	76
LEDDW-510-30	10	30°	90+	852	84
LEDDW-510-40	10	40°	90+	843	85
LEDDW-510-55	10	55°	90+	763	85
LEDDW-511-17	11.9	17°	90+	1,015	85
LEDDW-511-30	11.9	30°	90+	1,021	86
LEDDW-511-40	11.9	40°	90+	1,016	85
LEDDW-511-55	11.9	55°	90+	918	77
LEDDW-713-20	13.3	20°	90+	1,224	92
LEDDW-713-30	13.3	30°	90+	1,213	91
LEDDW-713-40	13.3	40°	90+	1,148	86
LEDDW-713-55	13.3	55°	90+	1,182	89
LEDDW-719-20	19.3	20°	90+	1,747	91
LEDDW-719-30	19.3	30°	90+	1,735	90
LEDDW-719-40	19.3	40°	90+	1,650	85
LEDDW-719-55	19.4	55°	90+	1,715	88
LEDDW-726-20	26	20°	90+	2,217	85
LEDDW-726-30	24.9	30°	90+	2,216	85
LEDDW-726-40	25.1	40°	90+	2,149	86
LEDDW-726-55	25	55°	90+	2,227	86
LEDDW-730-20	30	20°	90+	2,539	85
LEDDW-730-30	30	30°	90+	2,493	83
LEDDW-730-40	30	40°	90+	2,379	79
LEDDW-730-55	30	55°	90+	2,491	83
LEDDW-936-30	36	30°	90+	3,032	84
LEDDW-936-45	36	45°	90+	3,018	84
LEDDW-936-55	36	55°	90+	3,090	86
LEDDW-936-90	36	90°	90+	3,157	88
LEDDW-940-30	40	30°	90+	3,325	83
LEDDW-940-45	40	45°	90+	3,308	83
LEDDW-940-55	40	55°	90+	3,428	86
LEDDW-940-90	40	90°	90+	3,449	86

- Filter Ring (-FR) addition produces a light loss factor of 10-12% prior to filter media being added. Consult factory for .ies files and final output data when specifying filter media.
- Shielding Cylinder (-CY) addition produces a light loss factor of 20-22% prior to filter media being added. Consult factory for .ies files and final output data when specifying filter media.

- L70 reported at 85°C = > 55,000 hours (L70B50 calculated) 200,000 hours.
- L80 reported at 85°C = >55,000 hours (L80B50 calculated) 123,000 hours.
- L90 reported at 85°C = > 55,000 hours (L90B50 calculated) 56,000 hours.

Lumen Maintenance				
Ambient Temp.	TM-21	L70 hours Theoretical	L80 hours Theoretical	L90 hours Theoretical
25°C	> 90.98	200,000	123,000	56,000

Please consult factory for additional information

- IES files (also available on website)
- Photometric reports
- TM-30 reports
- ISO diagrams and measurements
- UGR ratings and evaluations

Dim-to-Warm LED direct replacement lamps

MR16 LED "dim-to-warm" (BLDDW)	AR111 LED "dim-to-warm" (DLDDW)
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tunable white LED Modules



All delivered lumen values were tested at 2700K, 3500K, and 6500K with finish ring at nominal mA rates and below.

Model Number	Watts	Beam Angle	CRI	Delivered Lumens	Lumens per watt	Tested K-Temp
LEDTW-710-13	10	13°	96+	610	61	2700K
LEDTW-710-13	10	13°	97+	661	66.1	3500K
LEDTW-710-13	10	13°	94+	743	74.3	6500K
LEDTW-710-30	10	30°	96+	619	61.9	2700K
LEDTW-710-30	10	30°	97+	674	67.4	3500K
LEDTW-710-30	10	30°	94+	759	75.9	6500K
LEDTW-710-40	10	40°	96+	586	58.6	2700K
LEDTW-710-40	10	40°	97+	644	64.4	3500K
LEDTW-710-40	10	40°	94+	717	71.7	6500K
LEDTW-710-50	10	50°	96+	606	60.6	2700K
LEDTW-710-50	10	50°	97+	659	65.9	3500K
LEDTW-710-50	10	50°	94+	741	74.1	6500K
LEDTW-711-13	11	13°	95+	648	58.9	2700K
LEDTW-711-13	11	13°	97+	720	65.4	3500K
LEDTW-711-13	11	13°	94+	799	72.6	6500K
LEDTW-711-30	11	30°	95+	673	61.8	2700K
LEDTW-711-30	11	30°	97+	737	67	3500K
LEDTW-711-30	11	30°	94+	820	74.5	6500K
LEDTW-711-40	11	40°	95+	641	58.2	2700K
LEDTW-711-40	11	40°	97+	705	64	3500K
LEDTW-711-40	11	40°	94+	782	71	6500K
LEDTW-711-50	11	50°	95+	657	59.7	2700K
LEDTW-711-50	11	50°	97+	721	65.5	3500K
LEDTW-711-50	11	50°	94+	811	73.7	6500K
LEDTW-712-17	12	17°	96+	886	73.8	2700K
LEDTW-712-17	12	17°	97+	958	79.8	3500K
LEDTW-712-17	12	17°	90+	1,028	85.6	6500K
LEDTW-712-30	12	30°	96+	905	75.4	2700K
LEDTW-712-30	12	30°	97+	982	81.8	3500K
LEDTW-712-30	12	30°	90+	1,059	88.2	6500K
LEDTW-712-40	12	40°	96+	866	72.1	2700K
LEDTW-712-40	12	40°	97+	936	78	3500K
LEDTW-712-40	12	40°	90+	1,008	84	6500K
LEDTW-712-50	12	50°	96+	892	74.3	2700K
LEDTW-712-50	12	50°	97+	975	81.2	3500K
LEDTW-712-50	12	50°	90+	1,050	87.5	6500K

- Filter Ring (-FR) addition produces a light loss factor of 10-12% prior to filter media being added. Consult factory for .ies files and final output data when specifying filter media.
- Shielding Cylinder (-CY) addition produces a light loss factor of 20-22% prior to filter media being added. Consult factory for .ies files and final output data when specifying filter media.

- L70 reported at 85°C = > 55,000 hours (L70B50 calculated) 200,000 hours.
- L80 reported at 85°C = >55,000 hours (L80B50 calculated) 123,000 hours.
- L90 reported at 85°C = > 55,000 hours (L90B50 calculated) 56,000 hours.

Lumen Maintenance				
Ambient Temp.	TM-21	L70 hours Theoretical	L80 hours Theoretical	L90 hours Theoretical
25°C	> 90.98	200,000	123,000	56,000

Please consult factory for additional information

- IES files (also available on website)
- Photometric reports
- TM-30 reports
- ISO diagrams and measurements
- UGR ratings and evaluations

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tunable white LED Modules



All delivered lumen values were tested at 2700K, 3500K, and 6500K with finish ring at nominal mA rates and below.

Model Number	Watts	Beam Angle	CRI	Delivered Lumens	Lumens per watt	Tested K-Temp
LEDTW-714-17	14	17°	96+	1,049	74.9	2700K
LEDTW-714-17	14	17°	97+	1,162	83	3500K
LEDTW-714-17	14	17°	90+	1,225	87.5	6500K
LEDTW-714-30	14	30°	96+	1,092	78	2700K
LEDTW-714-30	14	30°	97+	1,187	84.7	3500K
LEDTW-714-30	14	30°	90+	1,256	89.7	6500K
LEDTW-714-40	14	40°	96+	1,018	72.7	2700K
LEDTW-714-40	14	40°	97+	1,119	79.9	3500K
LEDTW-714-40	14	40°	90+	1,178	84.1	6500K
LEDTW-714-50	14	50°	96+	1,044	74.5	2700K
LEDTW-714-50	14	50°	97+	1,147	81.9	3500K
LEDTW-714-50	14	50°	90+	1,211	86.5	6500K
LEDTW-917-30	17	30°	96+	1,578	92.8	2700K
LEDTW-917-30	17	30°	97+	1,714	100.8	3500K
LEDTW-917-30	17	30°	90+	1,820	107	6500K
LEDTW-917-45	17	45°	96+	1,548	91	2700K
LEDTW-917-45	17	45°	97+	1,690	99.4	3500K
LEDTW-917-45	17	45°	90+	1,801	105.9	6500K
LEDTW-917-60	17	60°	96+	1,582	93	2700K
LEDTW-917-60	17	60°	97+	1,715	100.8	3500K
LEDTW-917-60	17	60°	90+	1,864	109.6	6500K
LEDTW-917-90	17	90°	96+	1,633	96	2700K
LEDTW-917-90	17	90°	97+	1,807	106.2	3500K
LEDTW-917-90	17	90°	90+	1,911	112.4	6500K
LEDTW-922-30	22	30°	96+	1,980	90	2700K
LEDTW-922-30	22	30°	97+	2,187	99.4	3500K
LEDTW-922-30	22	30°	90+	2,298	104.4	6500K
LEDTW-922-45	22	45°	96+	1,970	89.5	2700K
LEDTW-922-45	22	45°	97+	2,174	98.8	3500K
LEDTW-922-45	22	45°	90+	2,293	104.2	6500K
LEDTW-922-60	22	60°	96+	2,003	91	2700K
LEDTW-922-60	22	60°	97+	2,207	100.3	3500K
LEDTW-922-60	22	60°	90+	2,355	107	6500K
LEDTW-922-90	22	90°	96+	2,081	94.5	2700K
LEDTW-922-90	22	90°	97+	2,298	104.4	3500K
LEDTW-922-90	22	90°	90+	2,457	111.6	6500K

- Filter Ring (-FR) addition produces a light loss factor of 10-12% prior to filter media being added. Consult factory for .ies files and final output data when specifying filter media.
- Shielding Cylinder (-CY) addition produces a light loss factor of 20-22% prior to filter media being added. Consult factory for .ies files and final output data when specifying filter media.

- L70 reported at 85°C = > 55,000 hours (L70B50 calculated) 200,000 hours.
- L80 reported at 85°C = >55,000 hours (L80B50 calculated) 123,000 hours.
- L90 reported at 85°C = > 55,000 hours (L90B50 calculated) 56,000 hours.

Lumen Maintenance				
Ambient Temp.	TM-21	L70 hours Theoretical	L80 hours Theoretical	L90 hours Theoretical
25°C	> 90.98	200,000	123,000	56,000

Please consult factory for additional information

- IES files (also available on website)
- Photometric reports
- TM-30 reports
- ISO diagrams and measurements
- UGR ratings and evaluations

Modular Multiples®

The Original Multiple Light Family of Fixtures



Elements™ 16w LED Module

16w

Model : LED-516

Wattage: 16

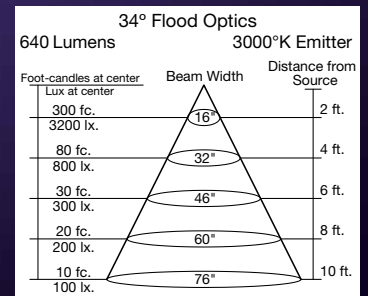
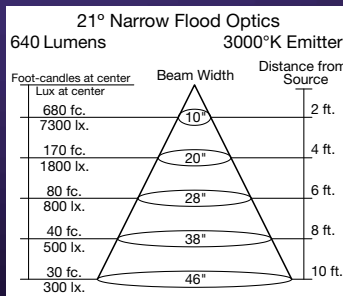
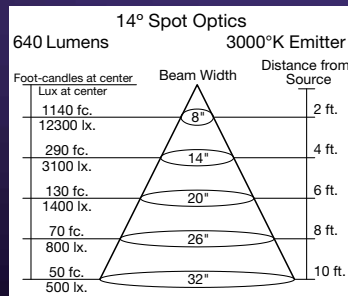
Lumens: 640 at 3000°K

Kelvin Temperature: 2850°K or 3000°K (+/- 2%)

Standard CRI: 95

Accessories and customization available: Tuning, dimming, beam angles, Kelvin temperature, shielding and filtering

Beam Angles: 14° Spot, 21° Narrow Flood, 34° Flood, 6° beam angle also available



Elements™ 30w LED Module

30w

Model : LED-530

Wattage: 30

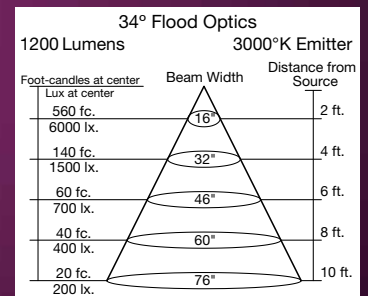
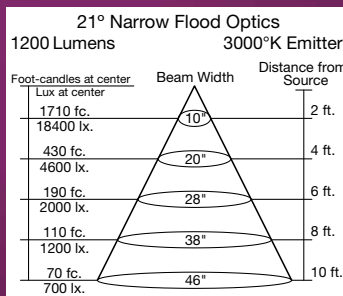
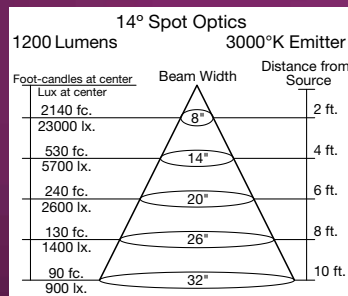
Lumens: 1200 at 3000°K

Kelvin Temperature: 2850°K or 3000°K (+/- 2%)

Standard CRI: 95

Accessories and customization available: Tuning, dimming, beam angles, Kelvin temperature, shielding and filtering

Beam Angles: 14° Spot, 21° Narrow Flood, 34° Flood, 6° beam angle also available



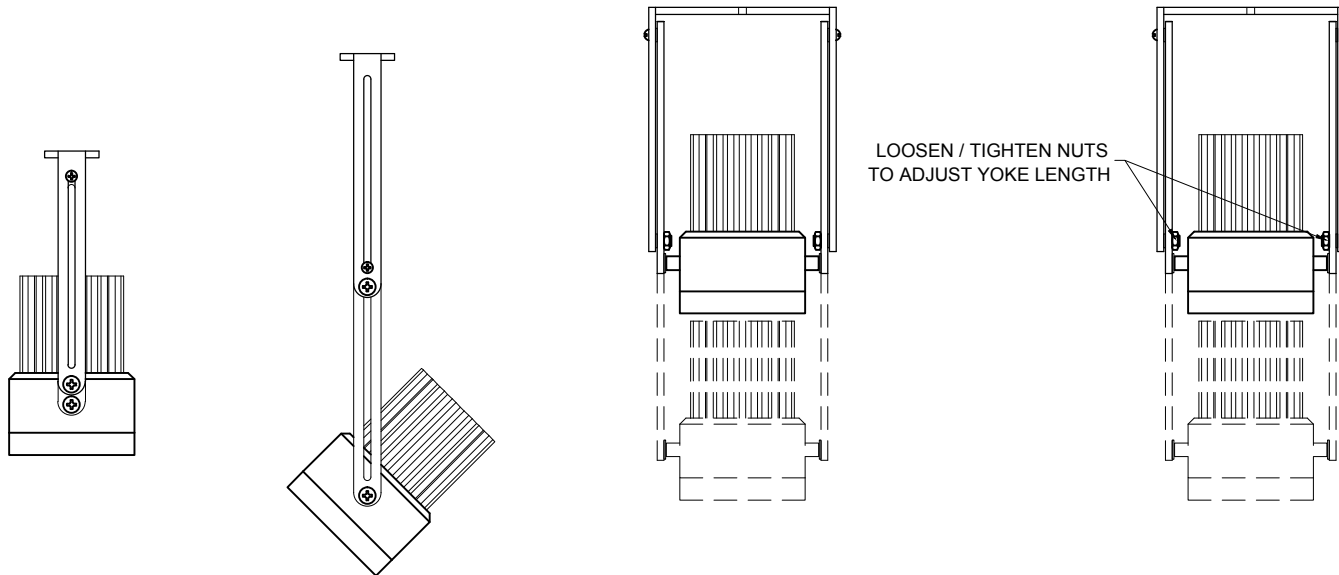
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The Original Multiple Light Family of Fixtures

Fixture Options

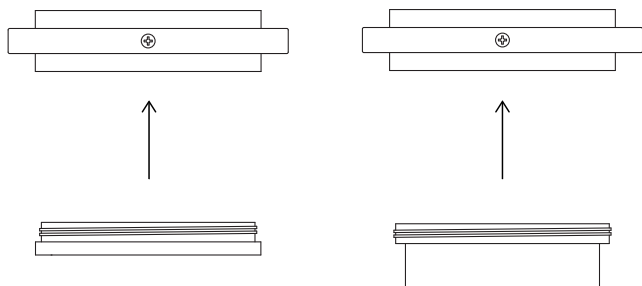
Extendable Yokes

ADD -EY TO END OF MODEL NUMBER



Shielding Options

ADD SHIELDING OPTION CODE (BELOW) TO END OF MODEL NUMBER



FILTER RING (STANDARD)

SHIELDING CYLINDER (-CY)

Lutron Athena Wireless Nodes

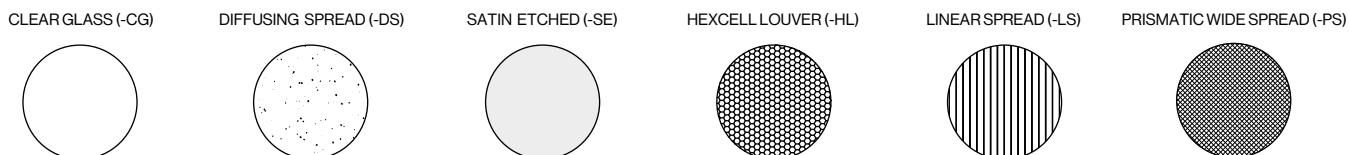


ATHENA WIRELESS NODE
WHITE (AWN-WH)

ATHENA WIRELESS NODE
BLACK (AWN-BL)

Filter Media

ADD FILTER MEDIA CODE (BELOW) TO END OF MODEL NUMBER



Modular Multiples®



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 Pittsburgh, PA 15212
 1-412-734-9000
www.ModularInternational.com

This brochure contains products covered under one or more of the following US Patent Numbers:

6,568,826B1	6,692,139B2	6,820,999B2	7,207,698B2
6,896,391B2	6,969,182B2	6,997,267B2	6,997,574B2
7,036,953B2	6,745,785B2	7,300,176B2	7,478,921B1
D520,666S	D530,038S	D537,553S	D819,857
D818,632	D818,624	D818,623	8,740,407
8,511,860	8,231,242	8,210,720	7,832,907

Modular International, Inc. produced a major portion of the lighting for the project shown on the enclosed photographs. The photographs, however, are not intended to imply that the various owners of the projects endorse our products or use our products exclusively.