



1043 • QUAD • RGBW • TREE RING MOUNT

Specification Sheet | Commercial Series • Floodlight

TYPE: MODEL:

PROJECT:

PRODUCT FEATURES

Wattage (TOTAL)	46 W (MAX)
Voltage	120 – 277 VAC
Lumens (TOTAL)	1515 Delivered Lumens (MAX)
Distribution	Narrow Spot (19°), Medium Flood (33°), Wide Flood (56°)
Color	RGB and Tunable White (2200K – 6000K)
Controls	DMX 512-A with RDM capabilities
Driver	4 channel DMX512-A/RDM compatible
1043 Fixture Dimensions	3" DIA x 6 3/8" D
Tree Ring Dimensions	24", 27", 30" DIA



ORDERING INFORMATION

EXAMPLE: 1043-GM-MF-RGBW-TR4AE24-MV-DMX-GBB34-FS

MODEL	FINISH	DISTRIBUTION	COLOR	MOUNTING	VOLTAGE	CONTROL	DRILLING	ACCESSORIES
1043			RGBW		MV	DMX		

MODEL	FINISH			DISTRIBUTION	COLOR
1043 Quad	B Black	LZ Light Bronze	WI Weathered Iron	NS Narrow Spot	RGBW RGB + Tunable White
	Z Architectural Bronze	SB Special Bronze	GM Graphite Metallic	MF Medium Flood	
	DZ Dark Bronze	GG Glossy Gray	G Verde	WF Wide Flood	
	GT Granite	R Rust	P Pewter		
	W White	HG Hunter Green	M Mocha		
	BR Architectural Brick	WB Weathered Bronze	OF Olde Finish		
MOUNTING		VOLTAGE	CONTROL	GROUND BOX DRILLING	ACCESSORIES
TR4AE24 Tree Ring / Quad / Auto Extension / 24" Dia.	MV Multi Volt (120-277VAC)	DMX DMX 512-A with RDM capabilities	GBS12 Ground Box ½" NPT side hubs	BD Barn Doors	
TR4AE27 Tree Ring / Quad / Auto Extension / 27" Dia.			GBS34 Ground Box ¾" NPT side hubs	FS Full Light Shield	
TR4AE30 Tree Ring / Quad / Auto Extension / 30" Dia.			GBB12 Ground Box ½" NPT bottom hubs	HS Half Light Shield	
TR4MA24 Tree Ring / Quad / Manual Adjustment / 24" Dia.			GBB34 Ground Box ¾" NPT bottom hubs	CS Cast Shield	
TR4MA27 Tree Ring / Quad / Manual Adjustment / 27" Dia.			GBA12 Ground Box ½" NPT all hubs	20 20 foot cable length	
TR4MA30 Tree Ring / Quad / Manual Adjustment / 30" Dia.			GBA34 Ground Box ¾" NPT all hubs	25 25 foot cable length	
				30 30 foot cable length	
				ORDERING NOTES	
				15 foot cable length standard	



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1043 SPECIFICATIONS

FIXTURE HOUSING:

Die-cast A360 aluminum. Optic and driver compartment environmentally sealed.

GROUND BOX HOUSING:

Injection molded PPS polymer, glass filled. Separate power and communication splicing compartments environmentally sealed. Integral 4 channel DMX driver completely wired by factory.

FINISH:

Powder coat finish available in Black, Architectural Bronze, Dark Bronze, Granite, White, Architectural Brick, Light Bronze, Special Bronze, Glossy Gray, Rust, Hunter Green, Weathered Bronze, Weathered Iron, Graphite Metallic, Verde, Pewter, Mocha, and Olde Finish. Custom Powder coat finishes available on request.

LENS:

2.7mm thick clear tempered glass

REFLECTOR:

Premium aluminum reflectors

ACCESSORIES:

Barn Doors **BD**, Full Shield **FS**, Half Shield **HS**, Cast Shield **CS** available.

LED:

3 white, 2 Red, 2 Green, 2 Blue high performance LEDs in 4 channel configuration.

CONTROLS:

Integral drivers equipped, **One (1) included**, with DMX512-A protocols. Each integral driver has a unique 12 digit UID. Fixture identification accessible through RDM and consumes **1 Node** on a standard **32 Node** (max) DMX BUS.

COLOR RENDERING (WHITE):

80 CRI minimum at 3000K

AIMING:

Fixture aiming achieved via Infinity Knuckle:
Die-cast, copper-free aluminum, stainless steel stem with ½" NPT thread.
A fully spherical grommet allows for precise aiming and retention.

WIRING:

- **Power:** 3 conductors. Terminates in isolated power junction box of the Ground Box.
- **Communication:** DMX: 2 twisted pairs in & out plus drain. Terminates in isolated communication junction box of the Ground Box.
- **Cabling:** 8 conductor outdoor rated cable factory installed between Tree Ring J-Box and Ground Box Cover sealed with liquid tight cable fittings. Cable is oversleeved with 12 ft of outdoor rated nylon corrugated conduit / cable protection from the ground box, and heat shrink sealed to the power cable. Standard Length 15 feet. Other lengths may be ordered in 5 foot increments.

MOUNTING:

- **Fixture:** Infinity Knuckle provided with ½" NPSM hinge stem to secure the fixture directly into a ½" NPT threaded opening in Junction Box.
- **Ground Box:** Stainless steel bracketry included for attachment to rebar when cast into concrete.
- **Concrete Pour Mask (CPM)** included for recessed mounting of ground box in concrete.

CERTIFICATION:

UL wet location listed.

DRIVER:

4 channel DMX512-A/RDM compatible driver 12 digit UID number.

Driver is factory set to start Channel 1:

Channel 1 – Red
Channel 2 – Green
Channel 3 – Blue
Channel 4 – White

The start channel can be changed during commissioning via RDM using the driver 12 digit UID number.

LIGHT DISTRIBUTION [WHITE, SINGLE LUMINAIRE]:

Narrow Spot **NS** (19°) | Max. Candela: 2102
Medium Flood **MF** (33°) | Max. Candela: 1083
Wide Flood **WF** (56°) | Max. Candela: 564





TREE RING SPECIFICATIONS

DESCRIPTION:

- **Auto Extension:** Tree Ring Mount accommodates tree ring diameters from 8" to 17", and the mounting of four 1043 flood lights. The Automatic expansion feature allows for 1 1/4" of tree diameter growth without the need to manually adjust.
- **Manual Adjustment:** Tree Ring Mount accommodates tree ring diameters from 12" to 22", and the mounting of four 1043 flood lights.

JUNCTION BOX CONSTRUCTION:

Die-cast A360 aluminum. Door is stamped 5052-H32 aluminum.

STRAP CONSTRUCTION:

1/8" thick x 3" wide affixed to each Junction Box with stainless steel fasteners. Strap is hinged and held with two 1/2" diameter stainless steel bolts. Hinge bolts are retained with stainless steel/nylon locking hex nuts. Hinged strap allows for easy installation around trees.

FINISH:

Powder coat finish available in Black, Architectural Bronze, Dark Bronze, Granite, White, Architectural Brick, Light Bronze, Special Bronze, Glossy Gray, Rust, Hunter Green, Weathered Bronze, Weathered Iron, Graphite Metallic, Verde, Pewter, Mocha and Olde Finish. Custom Powder coat finishes available on request.

ELECTRICAL SUPPLY:

One NPT 1/2"-14 bottom hub opening available for connection of flexible, outdoor rated cable.

WIRING:

18/8 SOOW outdoor rated waterproof cable.

TREE CLAMPING:

3/8" Stainless steel threaded rod with a 1 1/2" diameter machined clamp foot to affix to the tree. The clamp foot is designed to securely affix the Tree Ring Mount to the tree with minimum damage to the bark.

- **Auto Extension:** Tree clamp features an automatic expansion that can adjust up to 2" per side to accommodate tree growth.

- **Manual Adjustment:** Tree clamp can be manually adjusted as the tree diameter grows without removing the tree ring.

LOAD RATING:

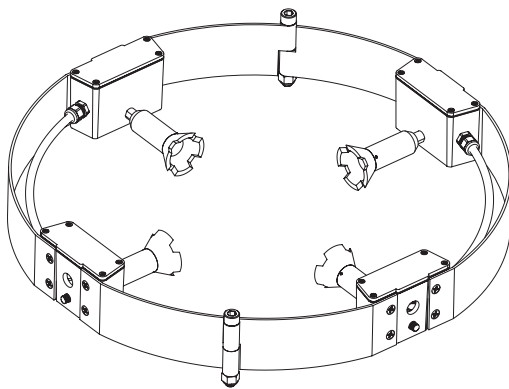
Maximum load of 5.5 pounds per junction box.

Tested to UL 1598/CSA C22 No. 250.0 Standard.

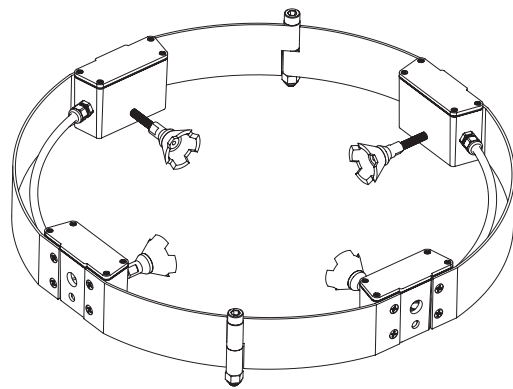
CERTIFICATION:

cULus wet location listed.

TREE CLAMPING VARIATIONS



TRM-4 Automatic Expansion (Tree Ring only)

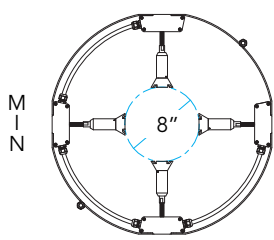


TRM-4 Manual Adjustment (Tree Ring only)

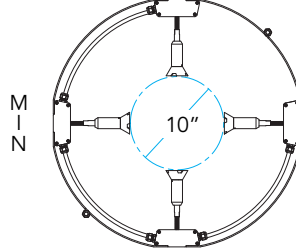




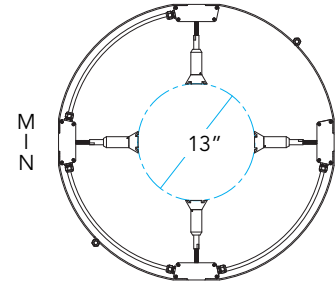
FOUR BOX AE DIMENSIONS



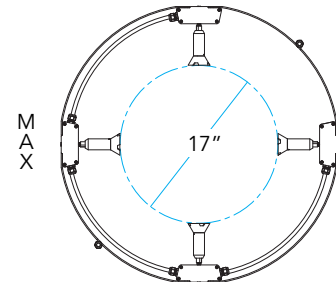
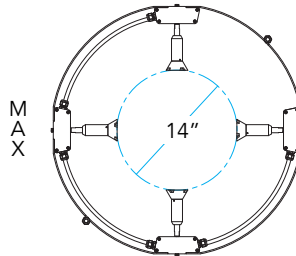
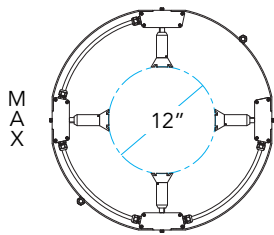
24"



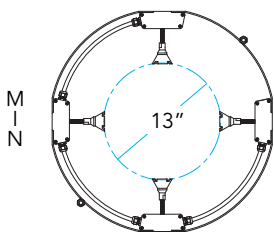
27"



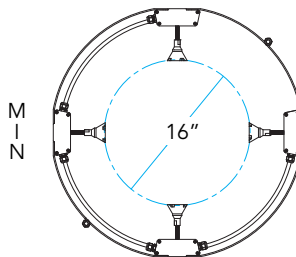
30"



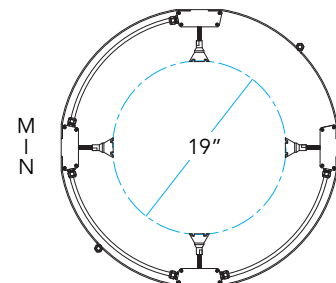
FOUR BOX MA DIMENSIONS



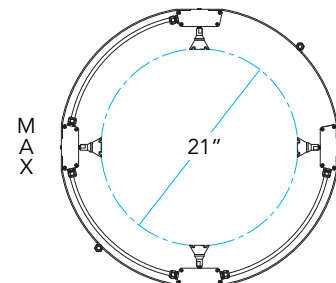
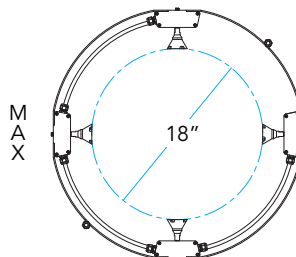
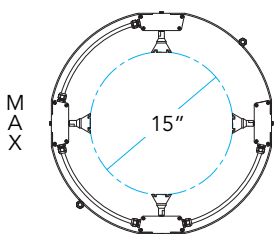
24"



27"



30"





DELIVERED LUMENS SPECIFICATION [QUAD LUMINAIRE TOTALS]

DISTRIBUTION	RED	GREEN	BLUE	WHITE
Narrow Spot 19° (NS)	42 Watts 372 Lumens	46 Watts 1152 Lumens	46 Watts 328 Lumens	42 Watts 1453 Lumens
Medium Flood 33° (MF)	41 Watts 344 Lumens	45 Watts 1156 Lumens	46 Watts 384 Lumens	42 Watts 1515 Lumens
Wide Flood 56° (WF)	42 Watts 372 Lumens	45 Watts 1184 Lumens	46 Watts 384 Lumens	42 Watts 1466 Lumens

CHROMATICITY

COLOR TEMPERATURE WHITE [W]:
2200K – 6000K CCT

RED WAVELENGTH [R]:
619nm – 625nm

GREEN WAVELENGTH [G]:
520nm – 530nm

BLUE WAVELENGTH [B]:
465nm – 475nm

LED MODEL:
Lumileds LUXEON Rubix RGBW

- R** Red Wavelength Range
- G** Green Wavelength Range
- B** Blue Wavelength Range
- W** White Color Temperature Range
- A** Combined RGB Visible Color Range

