Peerless®
Lighting for People®

Round 2 LED

RDMW | LED | Direct Wall-Wash | Suspended

HIGHLIGHTS

- Peerless 360° Total System Integration features 5-year limited warranty by Acuity Brands covering all components and construction

- 4' and 8' sections

- Up to 67 lm/W

- Two lumen packages

- Wall wash distribution with high performance reflector system

- Flicker-free dimming to dark (0.1%) powered by eldoLED® driver

- Integrated nLight® control module for system networking (optional)

- White, painted aluminum or custom color

- LED Lighting Facts® partner
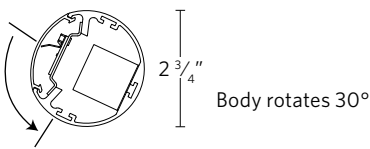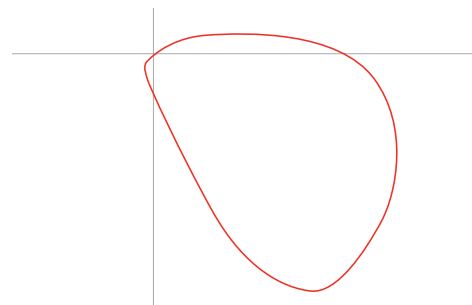
DIMENSIONS

☐ **RDMW**

2 3/4"

Body rotates 30°

DETAILS

End Cap

COMPANION LUMINAIRE(S)

RDM1 Round 2

RDW1 Round 2 Wall

CUSTOMIZATION

Ask us about the following possibilities: Integrated nLight module for system networking, higher lumen outputs, section lengths in 2' increments, alternate voltages, additional mounting options, custom colors, custom colors, higher CRI and R9 values and other modifications.

LUMEN PACKAGES Data based on 3500K. Additional color temperatures available.

Direct LED Ouput	500LMF	900LMF
Delivered Lumens per foot	504	925
Input Watts	7.5	14.5
Lumens Per Watt	67	64

DISTRIBUTION

13% Up | 87% Down

Type:

Project:

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SPECIFICATIONS

Housing
Extruded aluminum housing has diameter of $2\frac{3}{4}$".

End Caps
Die-cast aluminum end caps are mechanically attached with no exposed fasteners. Die-cast rotational device standard.

Color
Color for housing and end caps is gloss white or painted aluminum. Consult factory for custom colors.

Luminaire Length
4' and 8' lengths in a single section for exact suspension spacing of 4' and 8'. For total length, add $3\frac{1}{4}$" for each end cap and rotational mechanism. Longer rows are comprised of starter, joiner and end sections.

Source
Two LED lumen packages and three available color temperature options (3000K, 3500K and 4000K) — all within 2.5 MacAdam ellipses.

Optics
Optical system consists of clear and white co-extruded acrylic lens and metal reflector.

Dimming Driver
eldoLED driver provides "natural dimming" with smooth, continuous and flicker-free operation to 0.1% dim levels. Acuity luminaires incorporating eldoLED LED drivers perform within the recommended operating areas for flicker as a function of frequency and modulation (%) outlined in IEEE Standard 1789-2015 (IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers), in typical operating conditions at representative dimming levels. Syncing for controls: 2mA max. THD: < 20%. Insignificant inrush current at 120 and 277VAC. FCC Class A and B tested for EMI and RFI.

When Control Input of 0-10V is specified driver will be set for linear dimming curve.

For 0-10V driver details go to: PeerlessLighting.com/566L
For DALI driver details go to: PeerlessLighting.com/560L

Electrical
LED light engine — consisting of modular LED boards and dimming driver — is rated for 50,000 hours (L_{80}) at 25° C ambient temperature. Specify 120V or 277V. Pre-wired with 16AWG fixture wire. For special circuiting or wire gauge, consult factory. Plug-in electrical connectors included.

Environment
Ambient operating temperature between 0° C and 25° C. Suitable for damp location.

Validation
CSA/CUS listed. CSA tested to UL 1598 standards. LM-79 tested. Individual sections meet FCC Part 15 requirements. Lighting Facts partner.

Packaging
100% post-consumer recycled cardboard box and inserts. Biodegradable protective luminaire bag. Recycled kraft paper tape.

Government Procurement
BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA - Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to www.acuitybrands.com/resources/buy-american for additional information.

Warranty
5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25°C.
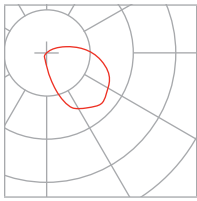
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MODEL NUMBER

Example: RDMW LLP 12FT MSL4 80CRI 35K 500LMF DARK ZT 120 SCT F1/24A C032

Luminaire	Linear Length Plan		Total Run Length	Maximum Section Length		LED Color Rendering		LED Color Temperature		Indirect LED Ouput	
RDMW	**LLP**	Linear longest possible	**__FT**	**MSL4**	4' Section(s)	**80CRI**	80+ CRI	**30K**	3000K	**500LMF**	500 nominal direct lumens per foot
	LSL	Longest same length	*Indicate Luminaire Row Length in 4' increments. Ex: 12FT*	**MSL8**	8' Section(s)			**35K**	3500K	**900LMF**	900 nominal direct lumens per foot
								40K	4000K		

Minimum Dimming Level		Control Input		Voltage		Wiring Option		Emergency Options	
DARK	Constant current, dimming to < 1%	**ZT***	0-10V	**120**	120V	**SCT**	Single circuit	**(Blank)**	None
		DALI**	DALI	**277**	277V			**1EC**	(1) Emergency circuit module
		*0-10V will use linear dimming curve						**2EC**	(2) Emergency circuit module
		**Will use logarithmic dimming curve						**__EC**	___ Emergency circuit modules
								Emergency type is installed in last 4' of luminaire sections. Separate feed required.	
								4FT MSL4 Individual fixture with EC Consult factory	

Mounting Type/		Overall Suspension		Color		Options			
F1/	T-bar ceiling (universal mounting bracket)	**24A**	24" adjustable	**C032**	Gloss white	**BLK***	Black cord and canopy	**MCS***	Matching canopy at support for aesthetics
F1A/	T-bar ceiling (UMB with integrated J-box)	**36A**	36" adjustable	**C110**	Painted Aluminum (low gloss)	**CSA**	Manufactured to Canadian Standards	**MCSJ****	Matching canopy for J-box mounting at non-power feed support locations
F2/	Hard ceiling (horizontal J-box)	**48A**	48" adjustable	**C201**	Black (low gloss)	**CP**	Chicago Plenum (available with F1A only)	**OJB***	Offset J-box at feed
		72A	72" adjustable	**C099***	Custom color	**GLR**	Fast blow	**SLP*****	Sloped ceiling
*F1 & F1A Mount uses standard 3 1/2" canopy on feed and 2" canopy on support		**96A**	96" adjustable	**C099 for pricing only. Custom color chip needs to be sent in to Customer Care and matched up with our paint department and customer approved before order is entered.*		**GMF**	Slow blow	**Not available with NLIGHT*	
**F2 Mount uses standard 5" canopy on feed and 2" canopy on support		**144A**	144" adjustable					***CSA with EC consult factory*	
*** All feed cords, cord managers and canopies are standard white. They are not painted to match fixture color.		**192A**	192" adjustable					****MCS & OJB cannot be chosen together*	
		240A	240" adjustable					*****MCSJ Available with F2 Mount only*	
		Overall suspension is measured from ceiling to bottom of luminaire						******When SLP is chosen need to choose F2 mount and OJB*	

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PHOTOMETRICS

500LMF 80CRI 35K
67 lumens per watt
2016 delivered lumens
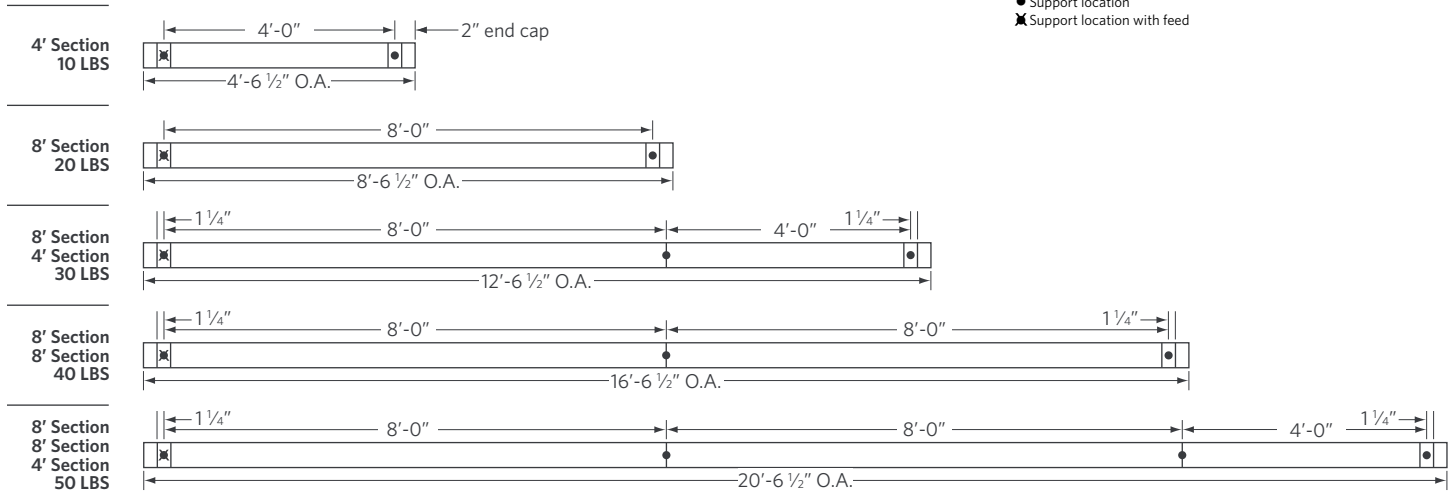per 4' section

14% up / 86% down
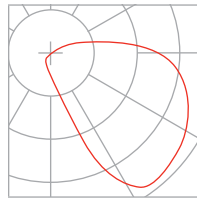
900LMF 80CRI 35K
64 lumens per watt
3701 delivered lumens
per 4' section

13% up / 87% down

WEIGHTS & SUPPORT SPACING

Suspension spacing equals section length. Default location shown.

STANDARD SECTIONS

Key:
● Support location
✖ Support location with feed

4' Section
10 LBS
4'-0" | 2" end cap
4'-6 ½" O.A.

8' Section
20 LBS
8'-0"
8'-6 ½" O.A.

8' Section
4' Section
30 LBS
1 ¼" | 8'-0" | 4'-0" | 1 ¼"
12'-6 ½" O.A.

8' Section
8' Section
40 LBS
1 ¼" | 8'-0" | 8'-0" | 1 ¼"
16'-6 ½" O.A.

8' Section
8' Section
4' Section
50 LBS
1 ¼" | 8'-0" | 8'-0" | 4'-0" | 1 ¼"
20'-6 ½" O.A.

PLAN VIEW

LINEAR PLAN:

PEERLESS offers the ability to provide a continuous run plan to suit your requirements by optionally offering three different methods of configuration.

LSL- Linear Same Length:
In this configuration, each segment is the same length and is standardized based on the longest length available and is the only option provided. Because it is dependent on one segment length there are mathematical limitations on what overall row lengths can be achieved. Example: 20 FT row would be achieved with 5, 4 FT long segments equaling 20 FT (nominal).

LSL	4FT	4FT	4FT	4FT	4FT
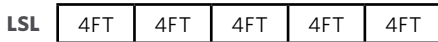
LLP- Linear Longest Possible
In this configuration, the longest length available is optimized, resulting in the fewest segments and mounting locations. Caution, should be used where balanced appearance is a concern. Example: 20 FT run would have 2, 8 FT segment and 1, 4 FT segment at the end of the run.

LLP	8 FT	8 FT	4FT
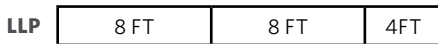
eldoLED COMPATIBILITY   For compatible dimmers & switches please see the EldoLED compatibility document

PeerlessLighting.com/eldoLED-compatibility

PeerlessLighting.com
1- 800-705-SERV (7378) | TechSupport-Peerless@AcuityBrands.com
Rev. 04/05/24

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MOST COMMON MOUNTING TYPES AND OPTIONS
Options available for this specific luminaire are checked in the boxes below.

Mounting Type

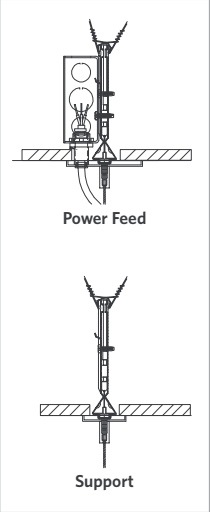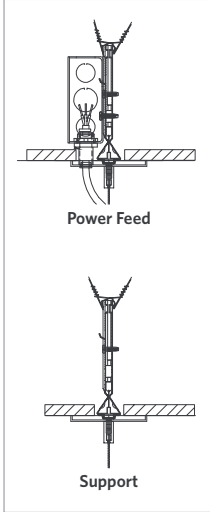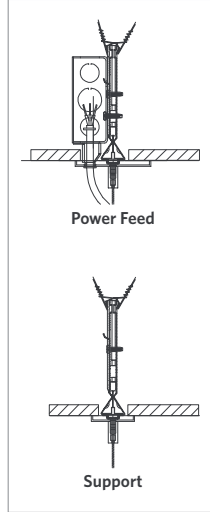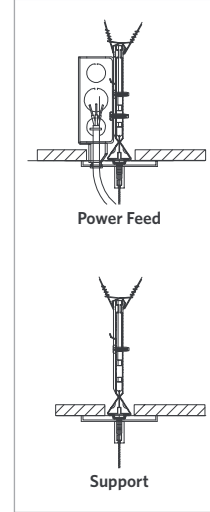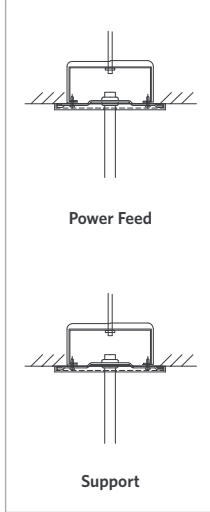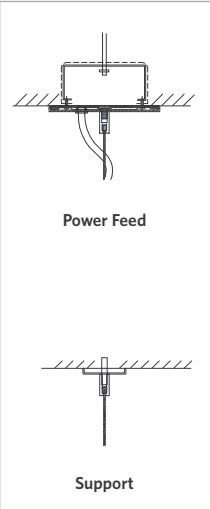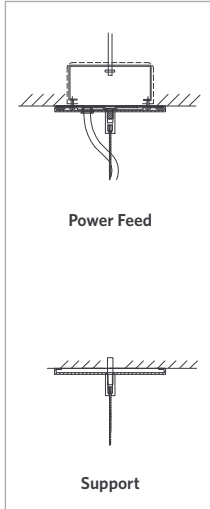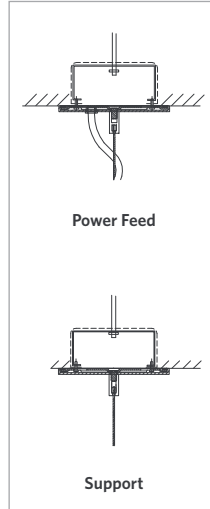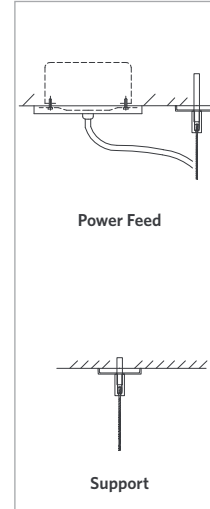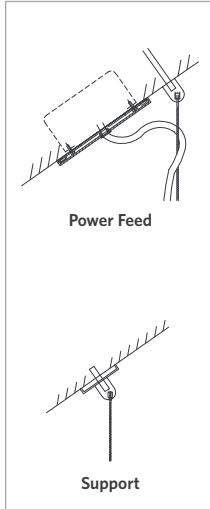**F1/** For use with most T-Bar and screw slot grid ceilings. Designed for on-grid and off-grid applications.

F2/ For use with recessed or surface mount horizontal J-box applications.

F3/ Stem mounting for use with recessed or surface mount horizontal J-box applications. *Check with local jurisdiction regarding rigid stem code requirements.*

F1A/ For use with most T-Bar and screw slot grid ceilings. Designed for on-grid and off-grid applications. *Comes complete with vertical J-box with built-in wire way. See also CP.*

Mounting Options

MCS Matching canopy at support for aesthetics.

MCSJ Matching canopy for J-box mounting at non-power feed support locations.

OJB Offset J-box at feed.

SLP OJB Sloped ceiling couplers and offset J-box option at feed.

For more detailed mounting drawings and information, see peerlesslighting.acuitybrands.com/resources/product-resources

☑ **Indicates mounting options available with this luminaire.**

☑ **F1/**

Power Feed

Support

☑ **F1/MCS**

Power Feed

Support

☑ **F1A/**

Power Feed

Support

☑ **F1A/MCS**

Power Feed

Support

☐ **F3/**

Power Feed

Support

☑ **F2/**

Power Feed

Support

☑ **F2/MCS**

Power Feed

Support

☑ **F2/MCSJ**

Power Feed

Support

☑ **F2/OJB**

Power Feed

Support

☑ **F2/SLP OJB**

Power Feed

Support