RIM VERSO
ACOUSTIX - STATIC WHITE
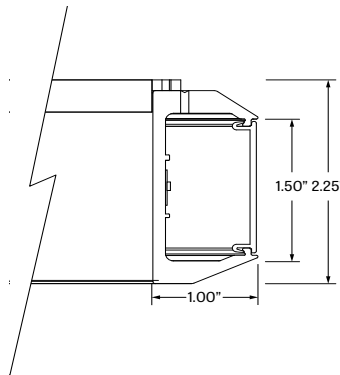
Lumenwerx

5 YEAR WARRANTY

Project: _____

Type: _____

Section View

1.50" 2.25"

1.00"

Rim Verso Acoustix combines generous ambient illumination with elegant geometry. The 2" high extruded aluminum frame is formed and finished into a seamless ring that can be painted in a wide range of standard and custom colors. The driver installs remotely, either above or below the ceiling. Three-to-four point suspension is available in an ultra-clean integrated power-over-cable option. Rim Verso Acoustix is available in three diameters: 24", 36" and 48". Nominal light output ranges from 2000 to 8000 lumens, with efficacy up to 77 lumens per watt. Rim Verso Acoustix is available in Static White. Chromawerx QUADRO, DUO and SOLA are also available, see separate spec sheets.

Performance
Based on 90CRI, 3000K, medium lumen package.

SIZE	LUMEN OUTPUT	EFFICACY
Ø 24"	3605 lm	77 lm/W

Order Guide

LUMINAIRE ID	SIZE	OPTIC	LIGHT SOURCE	CRI	LUMEN PACKAGE				COLOR TEMP.	VOLTAGE
RIMVACORP		**ULO**	**SW**	**90CRI**						
RIMVACORP - Rim Verso Acoustix Round Pendant	**24IN** - Ø 24" **36IN** - Ø 36" **48IN** - Ø 48"	**ULO** - Uniform Lambertian Optic	**SW** - Static white	**90CRI** - 90 CRI		Low	Medium	High	**27K** -2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K	**120V** -120V **277V** - 277V **UNV** - 120V-277V
					Ø 24" Ø 36" Ø 48"	**2000LM** **3000LM** **4000LM**	**3000LM** **4500LM** **6000LM**	**4000LM** **6000LM** **8000LM**		

REMOTE DRIVER [1]	ELECTRICAL	MOUNTING					
	1C						

REMOTE DRIVER [1]	ELECTRICAL	DRIVER BOX	CANOPY FINISH	POWER	MOUNTING POINTS	MOUNTING CABLE LENGTH [7]	
D1 - 1% 0-10V **DA** [2] - DALI **LDE1** [2] - Lutron Hi-Lume 1% Eco **ELD1** - eldoLED 1% ECOdrive 0-10V **ELD0** - eldoLED0.1% SOLOdrive 0-10V [1] PoE (Power-over-Ethernet) compatible. Consult factory for details. [2] On-site commissioning is required.	**1C** - 1 circuit	**RCD** [3] - Round canopy driver box **RDB** - Remote driver box [3] RCD is not available for lumen packages over 6000 lm (3500 lm for Lutron driver options).	**W** - Matte white **AL** - Aluminum **B** - Matte black **CF#** - Custom finish, specify RAL#	**POC** [4] - Integrated suspension power-over-aircraft cable **BAC** - Black power cord + aircraft cable **WAC** - White power cord + aircraft cable [4] For more information see page 3.	**SC** - Single canopy **MC** [5,6] - Multiple canopies [5] 4 Canopies provided. [6] Not available with RCD.	**18IN** - 18" **24IN** - 24" **36IN** - 36" **48IN** - 48" **60IN** - 60"	**72IN** - 72" **96IN** - 96" **120IN** - 120" **##IN** - Specify nominal length in inches

[7] For single canopy option, the minimum required mounting heights are (distance from ceiling to top of fixture in inches):

Fixture size	Minimum height
Ø 24"	min height 15"
Ø 36"	min height 22"
Ø 48"	min height 29"

FIXTURE FINISH	FELT COLOR

FIXTURE FINISH

W - Matte white
AL - Aluminum
B - Matte black
CF# - Custom finish, specify RAL#

FELT COLOR

STANDARD COLORS

FWN	LVN		
FON	LEN		
ION	CYN		
TBN	PMN		
MDN	FGN		

PREMIUM COLORS [8]

PKN	CDN	IVN	BHN	
OGN	LCN	SLN	CFN	
LNN	SYN	CNN	GRN	
LMN	BLN	GHN	MON	
EGN	NVN	CLN	ESN	

[8] Lead time may vary. Please consult factory for more color options.

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Standard Color Options
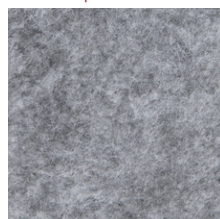
FWN - FROST WHITE	**FON** - FOG	**ION** - IRON	**TBN** - TRUE BLACK	**MDN** - MIDNIGHT BLUE
LVN - LAVENDER	**LEN** - LATTE	**CYN** - CHERRY	**PMN** - PLUM	**FGN** - FOREST GREEN
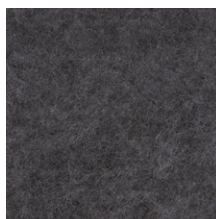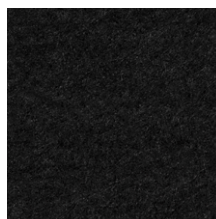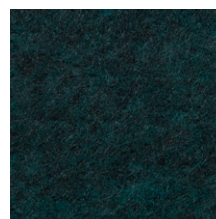
Premium Color Options*

PKN - PAPRIKA	**OGN** - ORANGE	**LNN** - LEMON	**LMN** - LIME	**EGN** - EVERGREEN
CDN - CLOUDY	**LCN** - LICHEN	**SYN** - SKY	**BLN** - BLUEBERRY	**NVN** - NAVY
IVN - IVORY	**SLN** - STEEL	**CNN** - CARBON	**GHN** - GRAPHITE	**CLN** - CHARCOAL
BHN – BLUSH	**CFN** - CAFÉ	**GRN** - GREIGE	**MON** - MOCHA	**ESN** - ESPRESSO
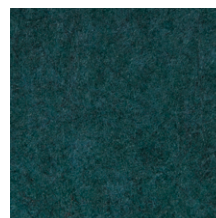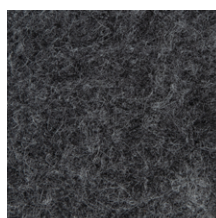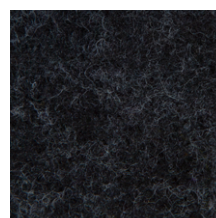
*Please consult factory for more color options.
*Lead time may vary.

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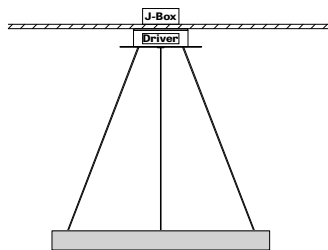
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Mounting Options

RCD - ROUND CANOPY DRIVER BOX

RCD - Round Canopy Driver Box - driver is in a 6" or 9" diameter, 2" deep enclosure that also supports suspension and power cables. Enclosure is available in standard finishes (see ordering code).
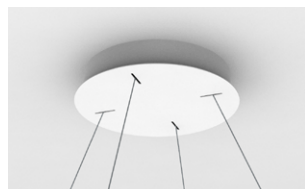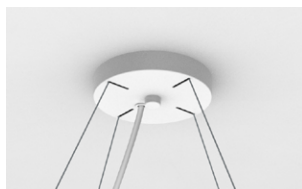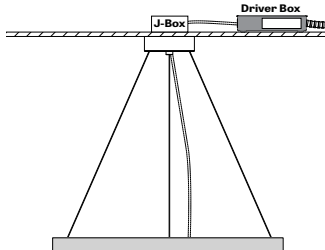
RDB - REMOTE DRIVER BOX

RDB -Remote Driver Box - driver is in a 26"x4"x5.5" enclosure with brackets for mounting to ceiling joists, runners, or other supporting members. The 5 1/2" diameter x 1 5/8" deep wiring compartment canopy conceals and supports suspension and power cables. It is available in standard finishes (see ordering code). It can be installed in drywall or grid ceilings.
Note: Support hardware is not supplied.

SC - SINGLE CANOPY

Shown with POC option.
Also available with AC.
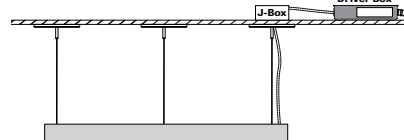
SC - SINGLE CANOPY

Shown with POC option.
Also available with AC.

MC - MULTIPLE CANOPIES

Shown with POC option.
Also available with AC.

The multiple canopy option, available with Remote Driver Box only, allows the fixture to be installed closer to the ceiling compared to the single canopy option. Three canopies are provided for Rim 24", and four canopies are provided for Rim 36" and Rim 48".

INTEGRATED SUSPENSION AND POWER-OVER-AIRCRAFT CABLE (POC)

The integrated suspension and power-over-aircraft cable option provides an elegant mounting option without the familiar jacketed power cord.

Current from the driver to the LED arrays flows through seven-strand galvanized copper conductors. A dielectric polymer coating insulates the cable, which is supported by insulated holders at the ceiling and luminaire mounting plate. Our standard integrated power-over-aircraft cable supports all dimming and control protocols available through the driver options without additional conductors.

Seven-strand galvanized copper conductors. Cable diameter - 0.06" (1.55mm)

- conductor   + conductor
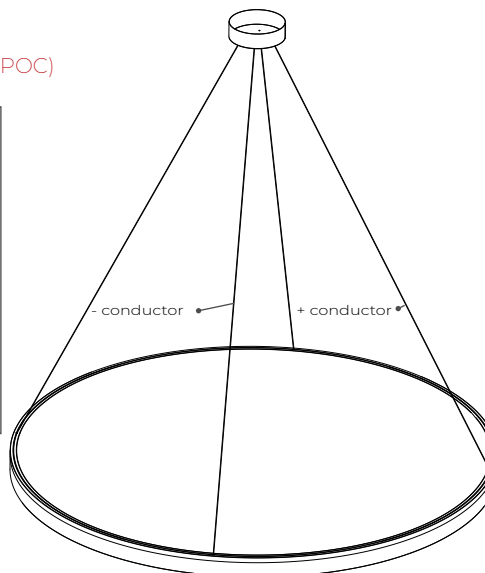
Color coded terminal block for ease of connection

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ACOUSTIC CALCULATOR

Using the Lumenwerx Acoustix Value Calculator table, you can determine the number of acoustic luminaires required in a space by fixture type. We have three levels of recommended sound reduction: good, better, and best. Choosing one of these options will reduce the sound accordingly. The best option indicates the best acoustic improvement. Calculations are based on a standard ceiling height of 9 feet.

① Calculate the square feet of your room (L x W).

② Choose the level of acoustical improvement you are looking for, and find the corresponding value based on your room dimension and luminaire configuration.

% in reduction in reverberation time		
☺ GOOD	25%
☺☺ BETTER	40%
☺☺☺ BEST	50%

SIZE	Room dimensions under 300 sq ft			Room dimensions over 300 sq ft		
	GOOD ☺	BETTER ☺☺	BEST ☺☺☺	GOOD ☺	BETTER ☺☺	BEST ☺☺☺
Ø 24"	18	9	6	28	14	9
Ø 36"	42	20	14	65	32	22
Ø 48"	75	38	25	120	59	41

③ Use the Lumenwerx Acoustix Value Formula to determine the number of luminaires needed in the room.

Square feet ÷ Value = Number of luminaires

Example:

Luminaires: Rim Verso Acoustix, Ø 48"

Room square feet: L: 20 ft x W: 18 ft = 360 sq ft

Desired acoustical improvement: Better = 59

Number of luminaires needed in the room: 360 ÷ 59 = **7 luminaires**

NOTES:
- You can mix lit and blank fixtures.
- Lumenwerx acoustic calculators were developed to act as a guide. For precise acoustic performance in a space, please consult an acoustician.

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Technical Specifications

OPTICS

Uniform Lambertian Optic (ULO) - Thermoformed from impact-modified white PMMA, the ULO provides even luminosity, with up to 88% transmission. Combined with the LED array running around the inside of the housing, the open form and ULO create a widespread 50% direct and 50% indirect light distribution with spacing criteria of 1.6.

LIGHT SOURCE - LED

Custom array of mid-flux LEDs are mounted directly to the housing for optimal thermal performance. Available in 2700K, 3000K, 3500K and 4000K with 90 CRI and elevated R9 value. Color consistency is maintained to 3 SDCM. LEDs are operated at a reduced drive current to optimize efficacy and lumen maintenance.

All LEDs have been tested in accordance with IESNA LM-80-08 and results have shown L80 lumen maintenance are greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.
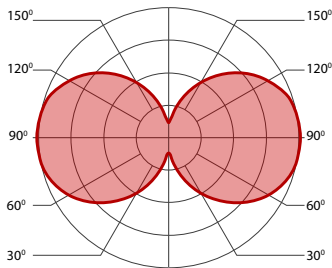
ELECTRICAL

Factory-set, adjustable output current LED driver with universal (120-277VAC) input. Dimmable from 100% to 1% with 0-10V dimming control. Rated life (90% survivorship) of 50,000 hours at 50°C max. ambient (and 70°C max. case) temperature. At maximum driver load: Efficiency>84%, PF>0.9, THD<20%. Other specifiable options include Lutron Hi-Lume 1% Eco, and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant.

WEIGHT

Ø 24" - 6.17lbs - 2.80kg
Ø 36" - 9.25lbs - 4.20kg
Ø 48" - 12.34lbs - 5.60kg

CONSTRUCTION

Housing - Rolled and seamlessly welded aluminum extrusion, wide variety of colored powder coating
Diffuser - Uniform Lambertian optic, co-extruded flexible polycarbonate satine finished lens

FINISH

Interior - 95% reflective, matte white powder coating
Exterior - matte white, matte black or aluminum powder coating.
Custom finishes are also available.

ACOUSTIC FINISH

Material is 100% polyester containing up to 50% of recycled plastic bottles (PET) with an ASTM E-84 Class A fire rating and is moisture resistant.

CARE

Remove dust and debris with a clean, dry, soft, lint-free cloth, or vacuum.

ENVIRONMENT

Ambient temperature at fixture location shall not exceed 30°C/86°F. For indoor use only.

CERTIFICATIONS

ETL - Rated for Indoor Dry/Damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.

WARRANTY

Lumenwerx provides a five-year limited warranty of electrical and mechanical performance of the luminaires, including the LED boards, drivers, and auxiliary electronics. Lumenwerx will repair or replace defective luminaires or components at our discretion, provided they have been installed and operated in accordance with our specifications. Other limitations apply, please refer to the full warranty on our website.

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WELL for Light - The WELL building standard focuses on light quality in several features. There are three categories that are fully attributed to the constriction and features of a luminaire. In WELL V1, it's Feature 54 Circadian Lighting, Feature 55 Glare Control, and Feature 58 Color Quality. In WELL V2, it's Feature L03 Circadian Lighting, Feature L04 Glare Control, and Feature L07 Electric Light Quality.

This fixture meets Features:
- Feature 58 or L07 when 90CRI is selected

All LED drivers used at Lumenwerx are deemed to have a low risk level of flicker, of 5 % or less below 90Hz operational as defined by IEEE standard 1789-2015 LED.

WELL for Sound - This luminaire is recommended for use as an acoustical absorption surface to limit reverberation times (RT) in a given space. This luminaire contributes to noise reduction and vibration dampening to promote focus and concentration. Reverberation needs to be calculated in each space based on the materials used.

WELL for Mind -This luminaire meets WELL for mind as it is a human centric luminaire offering quality light, excellent color, smooth optics, and a sound diminishing element. If any of these features are incorporated in a luminaire, it can improve the ability to focus, concentrate, and persist longer on a given task. This fixture harmoniously operates in a space to assist the mind.

For more information please contact well@lumenwerx.com.

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