

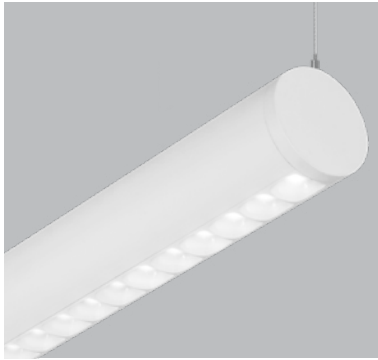
REVO

PENDANT
DIRECT / INDIRECT

LUMENWERX

Project: _____

Type: _____



DESCRIPTION

The Revo pendant offers a fresh interpretation of a classic shape, both attractive and functional. Just 2 3/8" in diameter, Revo delivers precise and well shielded illumination to task surfaces, such as counters, desks and conference tables. Miniature, low brightness reflectors and onboard **MikroDrive™** electronics achieve Revo's small scale. Revo can be used as an individual luminaire or combined into continuous runs. The Miniature Reflector Optic, developed specifically for the Revo pendant, creates intriguing visual texture as well as very comfortable brightness.



INTEGRATED™
MIKRODRIVE

Up to 142 lm/W performance

ORDER GUIDE

LUMINAIRE ID	DIRECT OPTICS	LOUVER COLOR	INDIRECT OPTIC	LIGHT SOURCE	CRI	DIRECT LUMEN PACKAGES	INDIRECT LUMEN PACKAGES	COLOR TEMP.
REOPDI			CLO					
REOPDI - Revo pendant direct/indirect	MRO18 - 18° Miniature Reflector Optic MRO35 - 35° Miniature Reflector Optic MRO55 - 55° Miniature Reflector Optic	W - White B - Black	CLO - Clear Lambertian Optic	SW - Static white FS - Full spectrum	80 ¹ - 80CRI 90 ¹ - 90CRI 95 ² - 95CRI	400 - Min. eco low output 400lm/ft 600 - Low output 600lm/ft 800 - Medium output 800lm/ft 1100 ³ - Max. high output 1100lm/ft #### - Other required lm/ft	500 - Min. medium output 500lm/ft 700 - Max. high output 700lm/ft #### - Other required lm/ft	27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K

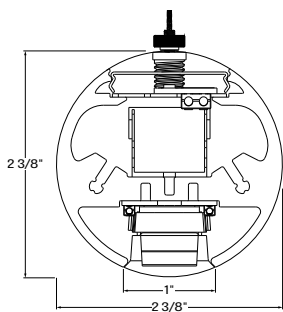
¹ Not available with full spectrum.
² Only available with full spectrum.
³ Not available with full spectrum.

LUMINAIRE LENGTH	VOLTAGE	DRIVER	ELECTRICAL	EMERGENCY SECTIONS (optional) ^{6,7}	MOUNTING	FINISH	OPTIONS
		MIKDR					
Standard sections - 4' 6' & 8' For all other specify length #FT - Nominal length in feet Continuous Run - for luminaires over 8' Minimum Individual section 4'	120 - 120V 277 - 277V UNV - 120V-277V	MIKDR - 0-10V Mikro driver	1C - 1 circuit 2C ⁴ - 2 circuits #MC ⁵ - Multi circuit EC - Emergency fixture NL - Night light fixture	#EC## ⁸ - Emergency light section #NL## ⁸ - Night light section NA - None	53WAC36W - 36" aircraft cable, white canopies (5" power + 3" non-power), white power cord 53WAC36B - 36" aircraft cable, white canopies (5" power + 3" non-power), black power cord For all other options refer to our Pendant Mounting Guide	W - Matte white B - Black	CTB9 - T-bar caddy clip, 9/16" CTB15 - T-bar caddy clip, 15/16" CTG9 - Tegular caddy clip, 9/16" CTG15 - Tegular caddy clip, 15/16" ST - Screw slot caddy clip NA - None

⁴ Separate direct and indirect circuits.
⁵ Specify total number of circuits (#), including any circuits required for optional emergency sections. Provide drawing or layout specifications. Minimum 4' section per circuit.

⁶ Specify with multi circuit (#MC) electrical option only.
⁷ Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'.
⁸ Specify quantity (#), and section length in feet (##).

CROSS SECTION



REOPDI - MRO-CLO

OPTICS



MRO - Miniature Reflector Optic

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REVO

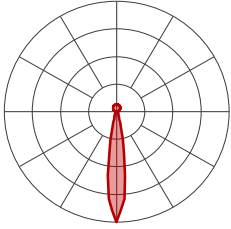
PENDANT
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Photometrics

DIRECT / INDIRECT

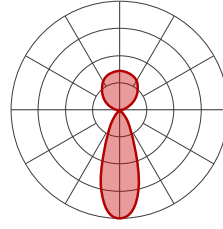
Delivered lumens at 35K at 80 CRI - MRO18 / CLO.



LM/FT		NOMINAL LM/4FT		TOTAL LM/4FT	INPUT WATTS	LPW		
D	I	D	I					
MRO18	CLO	400	500	1600	2000	3600	25.8	140
			700		2800	4400	4400	31.7
600	500	2400	2000	4400	32.8	134	134	
	700		2800	5200	38.7			
800	500	3200	2000	5200	40.4	129	129	
	700		2800	6000	46.4			
1100	500	4400	2000	6400	52.8	121	121	
	700		2800	7200	58.8			

DIRECT / INDIRECT

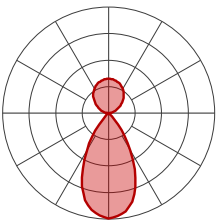
Delivered lumens at 35K at 80 CRI - MRO35 / CLO.



LM/FT		NOMINAL LM/4FT		TOTAL LM/4FT	INPUT WATTS	LPW		
D	I	D	I					
MRO35	CLO	400	500	1600	2000	3600	25.4	142
			700		2800	4400	4400	31.4
600	500	2400	2000	4400	32.2	137	136	
	700		2800	5200	38.2			
800	500	3200	2000	5200	39.6	131	132	
	700		2800	6000	45.6			
1100	500	4400	2000	6400	51.5	124	125	
	700		2800	7200	57.5			

DIRECT / INDIRECT

Delivered lumens at 35K at 80 CRI - MRO55 / CLO.



LM/FT		NOMINAL LM/4FT		TOTAL LM/4FT	INPUT WATTS	LPW		
D	I	D	I					
MRO55	CLO	400	500	1600	2000	3600	26	139
			700		2800	4400	4400	31.9
600	500	2400	2000	4400	33.1	133	133	
	700		2800	5200	39			
800	500	3200	2000	5200	40.8	127	128	
	700		2800	6000	46.8			
1100	500	4400	2000	6400	53.5	120	121	
	700		2800	7200	59.5			

Multiplier - CCT/CRI

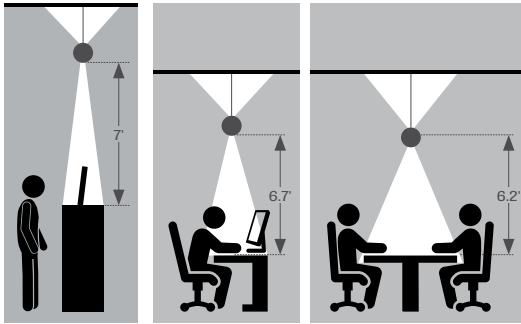
CCT (K)	Watts Multiplier		LPW Multiplier	
	CRI80	CRI90	CRI80	CRI90
2700	1.05	1.27	0.95	0.79
3000	1.02	1.23	0.98	0.81
3500	1.00	1.19	1.00	0.84
4000	1.00	1.19	1.00	0.84

Technical Specifications

OPTICS

Miniature Reflector Optic (MRO) - The Lumenwerx Miniature Reflector Optic (MRO) locates an individual, precisely molded TIR elements over each LED emitter, and further shield the source with precise parabolic reflectors.

Unlike typical diffuser and prismatic optics, MRO offers a choice of narrow, medium, and wide downlight beams. The downlight MRO can be paired with a simple uplight optic, creating a comfortable and distinctive direct/indirect luminaire with a total of six light distribution options.



Narrow 18 degree
500lm/f - 1000lux

Medium 35 degree
500lm/f - 500lux

Wide 55 degree
500lm/f - 300lux

CLEAR LAMBERTIAN OPTIC (CLO)

The Clear Lambertian Optic (CLO) uses a single horizontal LED array and a clear acrylic cover to provide simple uplight with high efficiency.

LIGHT SOURCE - STATIC WHITE

Custom linear array of high-flux LEDs mounted onto aluminum-backed circuitry with quick-connect wiring to facilitate service and optimize thermal management. Available in 2700K, 3000K, 3500K and 4000K with a minimum 80 CRI and an option for 90 CRI with elevated R9 value. Color consistency maintained to within 3 SDCM. All LEDs have been tested in accordance with IESNA LM-80-08 and the results have shown L80 lumen maintenance greater than 60,000 hours. Absolute product photometry is measured and presented in accordance with IESNA LM-79, unless otherwise indicated.

LIGHT SOURCE - FULL SPECTRUM

The full spectrum LED option offers improved color particularly in the cyan region that is beneficial in both healthcare and circadian lighting strategies. The cyan region in full spectrum LED is richer at the 480 nm range.



WELL for Light - The WELL building standard focuses on light quality in several features. There are three categories that are fully attributed to the construction 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 54 or L03 when full spectrum LED is selected
- Feature 55 or L04 meets WELL glare category (b-c-d)
- Feature 58 or L07 when 90CRI or above 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.



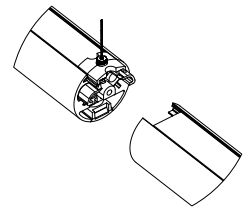
WELL for Mind - This luminaire meets WELL for mind as it is a human centric luminaire offering quality light, excellent color, and smooth optics. If any of these features are incorporated in a luminaire, it can improve the ability to focus, concentrate, and persist longer on a given task. This fixture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

For more information, please contact well@lumenwerx.com

LUMINAIRE LENGTH

Revo is made up of standard 4, 6 and 8 foot sections that may be joined together to create longer continuous run lengths. Exact run length must be noted in the product code. The minimum individual section available is 4 foot.

All individual sections are joined together onsite using the joiner kits provided. Lumenwerx offers joiner kits that are extremely simple to work with in the field and result in a fixture that appears virtually seamless with no light leak at any connection.



joining system for
Revo Direct/Indirect

ELECTRICAL - INTEGRATED DRIVER

Fully integrated, ultra-slim, **Mikrodrive™** driver eliminates the need for the remote drivers typical of very small cross-section luminaires. Factory-adjustable drive current and universal (120-277VAC) input. Long life: over 100,000 hours Mean Time Between Failures (MTBF). 0-10V dimming protocol. At maximum driver load: Efficiency > 84%, PF > 0.9, THD < 20%. Due to space limitations, other driver, control and wiring options are not currently available.

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PENDANT DIRECT / INDIRECT

LUMENWERX

MOUNTING OPTIONS

Fixtures can be pendant-mounted, using aircraft cables. Unless otherwise specified, Lumenwerx provides the following hardware:

For pendant-mounted fixtures - 53WAC36 (5" white canopy for all power mounting point, 3" white canopy for non power mounting point, and a 36" cable)

[For all other options, see our website for a detailed Pendant Mounting Guide](#)

FINISH

Interior - 95%, reflective matte powder coated white paint

Exterior - matte white or matte black powder coating.

Louver - reflective white or reflective black.

CONSTRUCTION

Housing - Extruded aluminum (0.100" nominal) up to 90% Recycled Content

Interior brackets - Die formed cold rolled sheet steel 10 gauge thick

Joining system - Die cast aluminum

MRO - Injection molded optical grade polycarbonate (0.100" nominal) up to 95% reflective

End caps - Die cast aluminum (0.125" nominal)

Hanger - Chromed griplock with safety nuts securely attached with stainless-steel hardware in end caps and/or joiners

Aircraft cable suspension - 7x7 braids stainless steel air craft cable 0.05" thick.

WEIGHT

Revo 4ft - 9.15lbs - 4.15kg

Revo 6ft - 14.06lbs - 6.38kg

Revo 8ft - 18.07lbs - 8.19kg

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.