

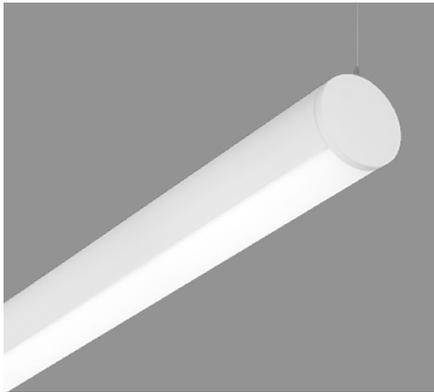
REVO 3

PENDANT
DIRECT, DIRECT / INDIRECT

LUMENWERX

Project: _____

Type: _____



DESCRIPTION

The Revo pendant offers a fresh interpretation of a classic shape, both attractive and functional. Revo delivers precise and well shielded illumination to task surfaces, such as counters, desks and conference tables. Revo can be used as an individual luminaire or combined into continuous runs.



Up to 153 lm/W performance

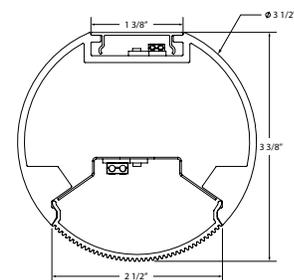
ORDER GUIDE

LUMINAIRE ID	DISTRIBUTION	DIRECT OPTIC	INDIRECT OPTIC	LIGHT SOURCE	CRI	DIRECT LUMEN PACKAGE	INDIRECT LUMEN PACKAGE	COLOR TEMP.
REO3P		FGRO	CLO					
REO3P - Revo 3 Pendant	DI - Direct / Indirect D - Direct	FGRO - Furrowed Glare Reduction Optic	CLO - Clear Lambertian Optic	SW - Static white FS - Full Spectrum BIOSST - Static biologically-optimized lighting BIOSDY - Dynamic biologically-optimized lighting	80 ¹ - 80CRI 90 ¹² - 90CRI 95 ³ - 95CRI ¹ Not available with full spectrum. ² Not available with BIOS. ³ Only available with full spectrum.	350 - Min. eco low 350lm/ft 500 - Low output 500lm/ft 750 - Medium output 750lm/ft 1000 ⁴ - Max. high output 1000lm/ft ⁴ Not available with BIOS or full spectrum.	350 - Min. eco low 350lm/ft 500 - Low output 500lm/ft 750 - Medium output 750lm/ft	27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K

LUMINAIRE LENGTH	VOLTAGE	DRIVER ⁶	ELECTRICAL	EMERGENCY SECTIONS (optional) ^{12 13}
#FT - Specify nominal length (#) in 1 foot increments Standard nominal lengths: Single units - Direct: 2' to 12' Single units - Direct/Indirect: 4' to 12' Continuous runs - Lengths over 12'	120 - 120V 277 - 277V UNV - 120V-277V 347 ⁵ - 347V ⁵ Only available with D1 driver.	D1 - 1% 0-10V DA ⁷ - DALI LTEA2W - Lutron 1% - 2 wires FP 120V LDE1 ⁷ - Lutron Hi-Lume 1% Eco ELDI - eldoLED 1% ECOdrive 0-10V ELDO - eldoLED 0.1% SOLOdrive 0-10V ⁶ PoE (Power-over-Ethernet) compatible. Consult factory for details. ⁷ On-site commissioning is required.	1C - 1 circuit 2C ⁸ - 2 circuits #MC ⁹ - Multi circuit EC - Emergency fixture NL - Night light fixture GTD ^{10 11} - Generator transfer device ⁸ Available for Direct/Indirect only. Separate direct and indirect circuits. ⁹ Specify total number of circuits (#), including any circuits required for optional emergency sections. Provide drawing or layout specifications. Minimum 4' section per circuit. ¹⁰ Minimum 4' fixture. ¹¹ Not available with 347V.	#EC## ¹⁴ - Emergency light section #NL## ¹⁴ - Night light section #GTD## ^{14 15 16} - Generator transfer device section #EMB ^{16 17} - Emergency battery NA - None ¹² Specify with multi circuit (#MC) electrical option only. ¹³ Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. ¹⁴ Specify quantity (#), and section length in feet (##). ¹⁵ Minimum 4' section. ¹⁶ Not available with 347V. ¹⁷ Specify quantity (#). Each battery powers a 4' section. For Direct/Indirect, minimum 8' fixture.

MOUNTING	FINISH	OPTIONS
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 AL - Aluminum CF# - Custom finish, specify RAL#	CTB9 - T-bar caddy clip, 9/16" CTB15 - T-bar caddy clip, 15/16" CTC9 - Tegular caddy clip, 9/16" CTG15 - Tegular caddy clip, 15/16" ST - Screw slot caddy clip NA - None

CROSS SECTION



REO3P - FGRO-CLO

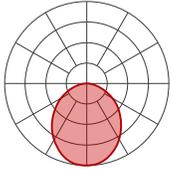
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Photometrics

DIRECT

Delivered lumens at 35K at 80 CRI - FGRO



LM/FT	TOTAL LM/4FT	INPUT WATTS	LPW
350	1400	9.6	146
500	2000	14	144
750	3000	21.5	140
1000	4000	29.2	137

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

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.

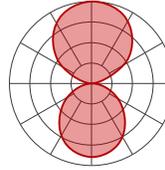
LIGHT SOURCE - FULL SPECTRUM

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.

LUMENWERX

DIRECT / INDIRECT

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

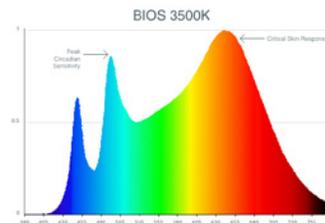


	LM/FT		NOMINAL LM/4FT		TOTAL LM/4FT	INPUT WATTS	LPW
	D	I	D	I			
FGRO							
	350		1400		2800	18.4	153
350	500	1400	2000		3400	22.4	152
	750		3000		4400	29.5	149
	350		1400		3400	22.7	150
500	500	2000	2000		4000	26.7	150
	750		3000		5000	33.8	150
	350		1400		4400	30.2	146
750	500	3000	2000		5000	34.2	146
	750		3000		6000	41.3	145
	350		1400		5400	38	142
1000	500	4000	2000		6000	42	143
	750		3000		7000	49.1	143



BIOS SkyBlue™ Technology is designed to provide the specific circadian stimulus to improve overall sleep quality, recovery during the night, and overall feelings of well-being.

The non-visual light signals that stimulate our circadian system have peak intensity in the "sky blue" region. As the diagram below illustrates, BIOS SkyBlue technology shifts the peak LED spectral intensity (490 nm) to align better with the peak response of circadian stimulus. Also note the enhanced deep-red (near 660 nm) spectrum.



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LUMENWERX



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 BIOS or full spectrum LED is selected
- 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 3 is made up of standard 2 to 12 foot sections that may be joined together to create longer continuous run lengths. Exact run lengths must be noted in the product code. The minimum length is 2 feet for Direct fixtures, and 4 feet for Direct/Indirect. Lengths can be ordered in 1 foot increments.

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.

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% (specify 2-wire, or Ecosystem Dim-to-Off), eldoLED 1% ECOdrive, eldoLED 0.1% SOLOdrive, and DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant.

PoE

Depending on the PoE manufacturer selected, Lumenwerx will install the node in factory as either integral to the luminaire, or as a remote module. Factory programming of the PoE node may or may not enable the following functionalities: lumen package, emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

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.

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

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 aircraft cable 0.05" thick.

WEIGHT

Revo 3 2ft - 5.23lbs - 2.37kg

Revo 3 4ft - 9.15lbs - 4.15kg

Revo 3 6ft - 14.06lbs - 6.38kg

Revo 3 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.