

UBIK CUBE

LUMENWERX

PENDANT

STATIC WHITE, BIOS ST/DY

Project: _____

Type: _____

DESCRIPTION

Sleek square form meets superb function in Ubik, a lighting family designed to provide a multitude of creative options. The pendant version is a compact fixture offered with HLO (High-Efficiency Lambertian Optic), parabolic louver, or wall wash optics for direct illumination. Ubik Cube Pendant comes in Static White or Bios LED. For Chromawerx Sola and Duo solutions, consult other spec sheet.



Up to 137 lm/W performance

OPTICS

Parabolic Louver



Matte White



Matte Silver



Matte Black

High-Efficiency Lambertian Optic



Wall Wash Optic



Matte White



Matte Silver



Matte Black

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MOUNTING & LIGHT ENGINE

Consult pages 3-4 for details before specifying

Mounting and light engine can be ordered separately.

LUMINAIRE ID	DISTRIBUTION	FINISH	END CAP	LIGHT SOURCE ¹	OPTIC
UBICUBP6 - Ubik Cube Pendant 6" UBICUBP12 - Ubik Cube Pendant 12" UBICUBP18 - Ubik Cube Pendant 18"	D - Direct	W - Matte white AL - Aluminum B - Matte black CF# - Custom finish, specify RAL#	BE - Beveled FL - Flat	SW - Static white BIOSST - Static biologically-optimized lighting BIOSDY - Dynamic biologically-optimized lighting ¹ Chromawerx Sola and Duo also available. Consult other spec sheet.	MWPL - Matte White Parabolic Louver MSPL - Matte Silver Parabolic Louver MBPL - Matte Black Parabolic Louver HLO - High-Efficiency Lambertian Optic WWW - Wall Wash White Optic WWS - Wall Wash Silver Optic WWB - Wall Wash Black Optic

CRI	COLOR TEMP	DRIVER	VOLTAGE	LUMEN PACKAGE				INTEGRAL DRIVER	
80 - 80CRI 90² - 90CRI ² Not available with BIOS.	27³ - 2700K 30 - 3000K 35 - 3500K 40 - 4000K ³ Not available with BIOS.	INTEGRAL	120 - 120V 277 - 277V UNV - 120V-277V 347⁴ - 347V ⁴ Available with D1 driver only.	6" 12" 18"	Parabolic Louvers SW 800 lm 1600 lm 2400 lm	BIOS 500 lm 1000 lm 1500 lm	HLO and Wall Wash SW 600 lm 1200 lm 1800 lm	BIOS 350 lm 500 lm 700 lm	D1 - 1% 0-10V ELV⁵ - ELV 120V TRI⁵ - TRIAC 120V ⁵ Available with 120V only.
		REMOTE	FOR FULL REMOTE DRIVER SPECIFICATION, SEE "REMOTE DRIVER" SECTION BELOW.						

CANOPY TYPE	CANOPY FINISH	HANGER	POWER CORD ^{9,10}	POWER-OVER-AIRCRAFT CABLE	STEM	LENGTH
REG⁶ - 4" octagonal junction box INT⁷ - Integral driver on junction box CD⁸ - Conduit box ⁶ Available with remote driver only. ⁷ Available with integral driver only. ⁸ Available with integral driver and remote driver.	W - Matte white B - Matte black CF# - Custom finish, specify RAL#		BPC - Black PVC WPC - White PVC FRE - Red fabric FGR - Green fabric FBL - Blue fabric FA# - Consult factory for more colors Min 18" - max 72" ⁹ Not available with parabolic louvers. ¹⁰ Suspended with a power cord and two aircraft cables.	POC¹¹ - Power-over-aircraft cable ¹¹ Not available with BIOSDY.	BKS - Black stem WHS - White stem Min 18" - max 48"	#IN - Length in inches

REMOTE DRIVER SPECIFICATION

Consult page 4 for details before specifying

Continue here for full remote driver specifications. Remote driver can be ordered separately.

REMOTE DRIVER ID	LUMINAIRE QTY	LUMINAIRE ID	VOLTAGE	LUMEN PACKAGE				REMOTE DRIVER ^{14,15}
RDB# - Remote driver box If multiple driver boxes are needed, please specify a line number for each driver type used.	#X - Number of luminaires Please specify number of luminaires per remote driver. (e.g. 3X) For the minimum and maximum number of lighting units per driver, refer to the table on page 4.	UBICUBP6 - Ubik Cube Pendant 6" UBICUBP12 - Ubik Cube Pendant 12" UBICUBP18 - Ubik Cube Pendant 18"	120 - 120V 277 - 277V UNV - 120V-277V 347¹² - 347V ¹² Available with D1 driver only.	Eco Low Medium ¹³ High ¹³ Ultra High ¹³	6" E250 lm	12" E500 lm	18" E750 lm	RD1 - 1% 0-10V RELV¹⁶ - ELV 120V RTRI¹⁶ - TRIAC 120V RDA¹⁷ - DALI RLTEA2W - Lutron 1% - 2 wire FP 120V RLDE1¹⁷ - Lutron Hi-Lume 1% Eco RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V ¹⁴ PoE (Power-over-Ethernet) compatible. Consult factory for details. ¹⁵ For configurations with different Ubik Cube sizes on a remote driver, please consult factory. ¹⁶ Available with 120V only. ¹⁷ On-site commissioning is required.



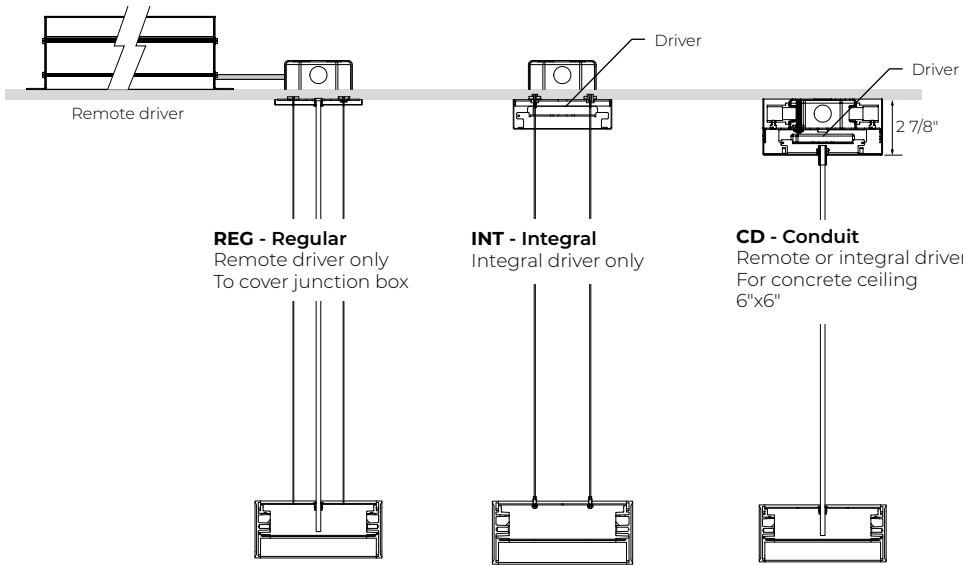
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MOUNTING ¹



CANOPY	
Regular	REG
Integral	INT
Conduit	CD
Finish	
Matte white	W
Matte black	B
Custom finish	CF#

HANGER	
Power Cable	
Black PVC	BPC
White PVC	WPC
Red fabric	FRE
Green fabric	FGR
Blue fabric	FBL
Custom fabric	FA#
Power-Over-Aircraft Cable	
Power-over-aircraft cable	POC
Stem	
Black	BKS
White	WHS

Power Cable
Choice of PVC or fabric cable, with two aircraft cables
Min 18" - max 72"
#IN specify length ²

Power-Over-Aircraft Cable
2 cables
#IN specify length ²

Stem
Min 18" - max 48"
#IN specify length ²

¹ Canopies can be specified with any suspension type. Not interchangeable on site.
² To specify, replace # with requested length. (i.e. 18IN)

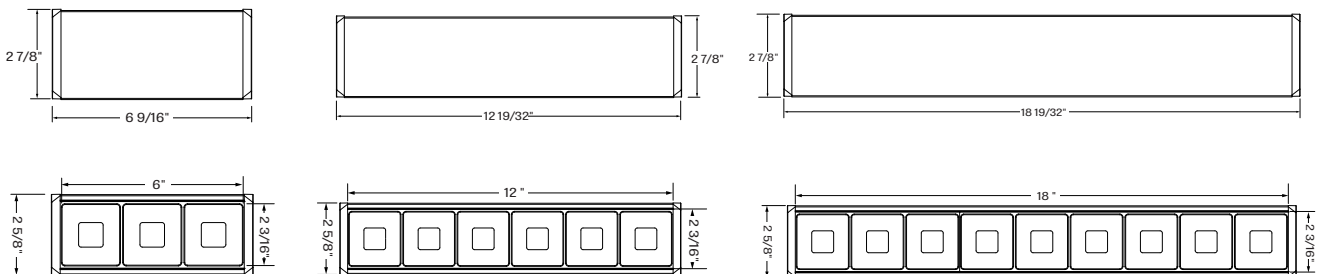
Canopy dimensions for REG - regular canopy type

	POWER CABLE	POWER-OVER-AIRCRAFT-CABLE	STEM
6"	4 1/2" x 4 1/2" x 1/4"		
12"	11" x 4 5/8" x 13/16"		4 1/2" x 4 1/2" x 1/4"
18"			

Canopy dimensions for INT - Integral canopy type

	POWER CABLE	POWER-OVER-AIRCRAFT-CABLE	STEM
6"	4 5/8" x 4 5/8" x 1 3/8"		
12"	11" x 4 5/8" x 13/16"		4 5/8" x 4 5/8" x 1 3/8"
18"			

FIXTURE DIMENSIONS



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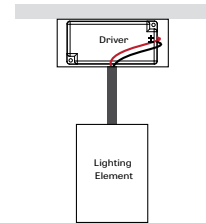
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DRIVER

INTEGRAL CANOPY DRIVER

The integral driver is sized to the lighting unit and is connected directly with Class 2 wiring and quick-splice connectors. The driver is accessible for service through the canopy.



VOLTAGE	LUMEN PACKAGE				INTEGRAL DRIVER
120 - 120V 277 - 277V UNV - 120V-277V 347 ¹ - 347V	Parabolic Louvers		HLO and Wall Wash		D1 - 1% 0-10V ELV ² - ELV 120V TRI ² - TRIAC 120V
	6"	SW 800 lm	BIOS 500 lm	SW 600 lm	BIOS 350 lm
	12"	1600 lm	1000 lm	1200 lm	500 lm
	18"	2400 lm	1500 lm	1800 lm	700 lm
¹ Available with D1 driver only.					² Available with 120V only.

REMOTE DRIVER

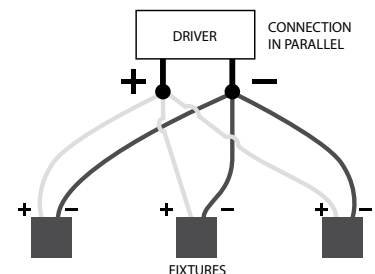
The remote driver can power several lighting units, depending on their total power. The minimum and maximum number of lighting units and driver type are shown in the table below and must be observed. The remote driver and lighting units are wired together through connection boxes, which are furnished pre-wired to the driver enclosure. All wiring is Class 2 with quick-splice connectors. The remote driver requires access from above the ceiling (or an access panel).

REMOTE DRIVER ID	LUMINAIRE QTY	LUMINAIRE ID	VOLTAGE	LUMEN PACKAGE				REMOTE DRIVER ^{3,4}
RDB# - Remote driver box If multiple driver boxes are needed, please specify a line number for each driver type used.	#X - Number of luminaires Please specify number of luminaires per remote driver. (e.g. 3X) For the minimum and maximum number of lighting units per driver, refer to the table on page 4.	UBICUBP6 - Ubik Cube Pendant 6" UBICUBP12 - Ubik Cube Pendant 12" UBICUBP18 - Ubik Cube Pendant 18"	120 - 120V 277 - 277V UNV - 120V-277V 347 ¹ - 347V ¹ Available with D1 driver only.	Eco	6" E250 lm	12" E500 lm	18" E750 lm	RD1 - 1% 0-10V RELV ⁵ - ELV 120V RTRI ⁵ - TRIAC 120V RDA ⁶ - DALI RLTEA2W - Lutron 1% - 2 wire FP 120V RLDE1 ⁶ - Lutron Hi-lume 1% Eco RELD1 - eldoLED 1% ECOdrive 0-10V RELD0 - eldoLED 0.1% SOLOdrive 0-10V
				Low	L375 lm	L750 lm	L1125 lm	³ PoE (Power-over-Ethernet) compatible. Consult factory for details. ⁴ For configurations with different Ubik Cube sizes on a remote driver, please consult factory. ⁵ Available with 120V only. ⁶ On-site commissioning is required.
				Medium ²	M500 lm	M1000 lm	M1500 lm	
				High ²	H600 lm	H1200 lm	H1800 lm	
				Ultra High ²	UH700 lm	UH1400 lm	UH2100 lm	
					² Not available with BIOS.			

NUMBER OF LIGHTING UNITS PER DRIVER - MINIMUM AND MAXIMUM

Based on 1200lm/ft, matte white finish for wall wash optic and parabolic louvers. Range may differ based on lumen package and louver finish.

DRIVER TYPE	UBICUBP6			UBICUBP12			UBICUBP18		
	WW	PAR	HLO	WW	PAR	HLO	WW	PAR	HLO
RD1 - 1% 0-10V	1-11	1-11	2-15	1-5	1-8	1-7	1-3	1-5	1-5
RELV - ELV 120V	2-6	2-8	2-6	1-3	1-4	1-3	1-2	1-2	1-2
RTRI - TRIAC 120V	2-6	2-8	2-6	1-3	1-4	1-3	1-2	1-2	1-2
RDA - DALI	1-10	1-10	2-14	1-5	1-7	1-4	1-3	1-4	1-4
RLTEA2W - Lutron 1% - 2 wire FP 120V	2-5	2-5	2-7	1-2	1-3	1-3	1	1-2	1-2
RLDE1 - Lutron Hi-lume 1% Eco	1-10	1-10	2-14	1-5	1-7	1-7	1-3	1-4	1-4
RELD1 - eldoLED 1% ECOdrive 0-10V	1-10	1-10	2-14	1-5	1-7	1-4	1-3	1-4	1-4
RELD0 - eldoLED 0.1% SOLOdrive 0-10V	1-10	1-10	2-14	1-5	1-7	1-4	1-3	1-4	1-4



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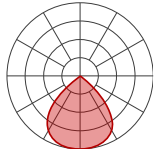
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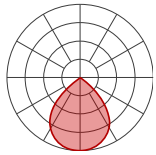
Photometrics

Watts and lumens per watt may vary based on the type of driver selected, as well as on the number of lighting units per driver for the remote driver option.



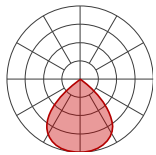
MWPL - Delivered Lumens at 35K at 80 CRI

LUMINAIRE ID	LUMEN OUTPUT	INPUT WATTAGE	LPW
UBICUB6	800	5.8	137
UBICUB12	1600	11.7	137
UBICUB18	2400	17.5	137



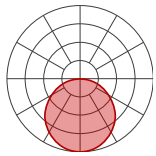
MSPL - Delivered Lumens at 35K at 80 CRI

LUMINAIRE ID	LUMEN OUTPUT	INPUT WATTAGE	LPW
UBICUB6	800	6.4	125
UBICUB12	1600	12.8	125
UBICUB18	2400	19.2	125



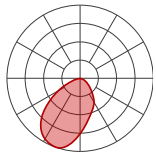
MBPL - Delivered Lumens at 35K at 80 CRI

LUMINAIRE ID	LUMEN OUTPUT	INPUT WATTAGE	LPW
UBICUB6	800	7.3	109
UBICUB12	1600	14.7	109
UBICUB18	2400	22.0	109



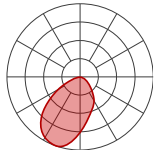
HLO - Delivered Lumens at 35K at 80 CRI

LUMINAIRE ID	LUMEN OUTPUT	INPUT WATTAGE	LPW
UBICUB6	600	7.0	87
UBICUB12	1200	10.8	111
UBICUB18	1800	15.5	116



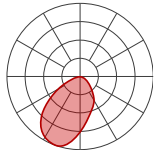
WWW - Delivered Lumens at 35K at 80 CRI

LUMINAIRE ID	LUMEN OUTPUT	INPUT WATTAGE	LPW
UBICUB6	600	7.7	78
UBICUB12	1200	14.3	84
UBICUB18	1800	20.5	88



WWS - Delivered Lumens at 35K at 80 CRI

LUMINAIRE ID	LUMEN OUTPUT	INPUT WATTAGE	LPW
UBICUB6	600	8.0	75
UBICUB12	1200	15.1	80
UBICUB18	1800	21.5	84



WWB - Delivered Lumens at 35K at 80 CRI

LUMINAIRE ID	LUMEN OUTPUT	INPUT WATTAGE	LPW
UBICUB6	600	9.1	66
UBICUB12	1200	17.1	70
UBICUB18	1800	24.4	74

Multiplier - CCT/CRI - MWPL/MSPL/MBPL

CCT (K)	Watts		LPW	
	CRI80	CRI90	CRI80	CRI90
2700	1.04	1.19	0.96	0.84
3000	1	1.15	1	0.87
3500	1	1.12	1	0.89
4000	0.99	1.10	1.01	0.91

Multiplier - CCT/CRI - HLO/WWW/WWS/WWB

CCT (K)	Watts		LPW	
	CRI80	CRI90	CRI80	CRI90
2700	1.05	1.27	0.95	0.79
3000	1.02	1.23	0.98	0.81
3500	1	1.19	1	0.84
4000	1	1.19	1	0.84

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Technical Specifications

OPTICS

High-Efficiency Lambertian Optic (HLO)

The High-Efficiency Lambertian Optic (HLO) shielding of diffusing 0.075" thick acrylic with up to 88% transmission and good source obscuration is combined with matte white side reflectors to create an efficient optical chamber with uniform luminosity. Luminaire brightness is controlled by the flux-to-shielding area ratio. For visual comfort, avoid high lumen output unless Ubik is installed in a high ceiling application.



Parabolic Louvers

Parabolic louvers provide excellent shielding and a pleasing crisp visual texture. The precisely molded louvers consist of 1" deep blades and is 2"x2" in size. The LED array is secured in the direct position, with the light transmitting through a beam-forming lens creating a conical distribution. Three matte (MPL) finishes are available in black, white and silver, offering a soft appearance, a wide beam spread of up 85-91 degrees, gentle brightness transition at cut-off, and exceptional UGR.



Wall Wash Optics

Ubik wall wash is an offset horizontal linear LED array that reflects from a matte white internal side kicking reflector. It then transmits through the beam-forming lens and then softened by a 2" asymmetric louver. The lens is fully illuminated, and the wall wash is only slightly angled to complement the direct optic.

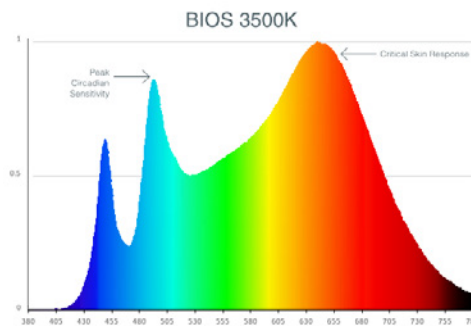


LIGHT SOURCE

Custom array of mid-flux LEDs are mounted directly to the housing for optimal thermal performance. 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. LEDs operated at reduced drive current to optimize efficacy and lumen maintenance. 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.



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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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 LED is selected
- Feature 55 or L04 meets WELL glare category (b-c-d)
- 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 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.

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 ELV, TRIAC, Lutron Hi-Lume 1% (specify 2-wire, or Ecosystem Dim-to-Off), eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, 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, Duo (tunable white), emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

FINISH

Interior - 95%, reflective matte powder coated white paint

Exterior - Powder-coat paint in standard white, aluminum, or black. Custom colors are also available.

END CAPS



FL - Flat



BE - Beveled

CONSTRUCTION

Housing - Extruded aluminum (0.070" nominal) up to 90% recycled content

Louvers - Injection molded optical grade polycarbonate up to 95% reflective

HLO lens - Coextruded PMMA

Parabolic heatsink - Extruded aluminum (0.10" nominal) up to 90% recycled content

HLO/WW heatsink - Aluminum sheet 10 gauge thick

WEIGHT

UBICUBP6 - 1.33lbs - 0.60kg

UBICUBP12 - 2.16lbs - 1kg

UBIKCUBP18 - 3lbs - 1.36kg

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.