UBIK PERIMETER

RECESSED
STATIC WHITE

Lumenwerx

5 YEAR WARRANTY
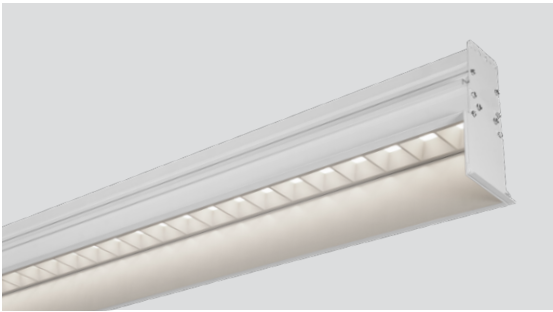
Project: _____

Type: _____

DESCRIPTION

Sleek square form meets superb function in Ubik, a lighting family designed to provide a multitude of creative options. With a 2.5" aperture, Ubik Perimeter offers subtle, low-glare illumination in level, shallow, and deep recessed arrangements with HLO (High-Efficiency Lambertian Optic) or parabolic louver options for direct illumination. Ubik Perimeter comes in static white. For Chromawerx SOLA and DUO solutions, consult other spec sheets.

SENSORS For latest information on sensors, click here.

IC RATED

Up to 135 lm/W performance

Order Guide

LUMINAIRE ID	DISTRIBUTION	OPTIC	LIGHT SOURCE [1]		CRI
	D		**SW**		
UBIPERL - Ubik Perimeter Level **UBIPERS** - Ubik Perimeter Shallow **UBIPERD** - Ubik Perimeter Deep	**D** - Direct	**MWPL** - Matte White Parabolic Louver **MSPL** - Matte Silver Parabolic Louver **MBPL** - Matte Black Parabolic Louver **HLO** - High-Efficiency Lambertian Optic	**SW** - Static white [1] Chromawerx SOLA and DUO also available. Consult other spec sheet.		**80CRI** - 80 CRI **90CRI** - 90 CRI

LUMEN PACKAGE	COLOR TEMP.	LUMINAIRE LENGTH	VOLTAGE	DRIVER [6]	
350LMF - Eco low output 350 lm/ft **500LMF** - Low output 500 lm/ft **750LMF** - Medium output 750 lm/ft **1000LMF** [2] - High output 1000 lm/ft **1200LMF** [2] - Ultra high output 1200 lm/ft [2] Available for non-IC applications only.	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K **50K** - 5000K	**#FT#IN** [3,4] - Specify nominal length (#) **Standard nominal lengths:** Single units: 3' to 12' Continuous runs: lengths over 12' [3] Minimum length 3'. [4] Parabolic louvers are only available in 6" increments. If the fixture length is not a multiple of 6", blanks of equal length will be added at both ends of the fixture.	**120V** - 120V **277V** - 277V **UNV** - 120V-277V **347V** [5] - 347V [5] Available with D1 driver only.	**D1** - 1% 0-10V **DA** [7] - DALI **LDE1** [7] - Lutron Hi-lume 1% Eco **ELD1** - eldoLED 1% ECOdrive 0-10V **ELD0** - eldoLED 0.1% SOLOdrive 0-10V [6] PoE (Power-over-Ethernet) compatible. Consult factory for details. [7] On-site commissioning is required.	

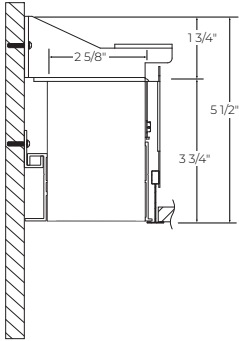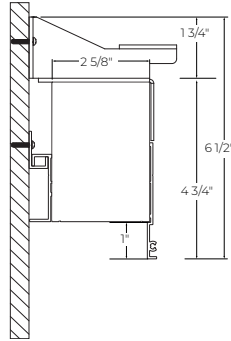| ELECTRICAL	ELECTRICAL SECTIONS (optional) [11,12]	MOUNTING	FINISH	OPTIONS [17]	
1C - 1 circuit **#MC** [8] - Multi circuit **EC** - Emergency powered fixture **NL** - Night light fixture **DL** - Daylight fixture **GTD** [9,10] - Generator transfer device fixture [8] Specify total number of circuits (#), including any circuits required for electrical section options. Provide drawing or layout specifications. Minimum 4' section per circuit. [9] Minimum 4' fixture. [10] Not available with 347V.	**#EC##** [13] - Emergency-powered section **#NL##** [13] - Night light section **#DL##** [13] - Daylight section **#GTD##** [13,14,15] - Generator transfer device section **#EMB** [15,16] - Emergency powered battery **NA** - None [11] Specify with multi circuit (#MC) electrical option only. [12] Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. [13] Specify quantity (#), and section length in inches (##). [14] Minimum 4' section. [15] Not available with 347V. [16] Specify quantity (#). All batteries will be on the same circuit. Each battery powers a 4' section.	**TG9** - Tegular 9/16" **TG15** - Tegular 15/16" **TB9** - T-bar 9/16" **TB15** - T-bar 15/16" **ST** - Screw slot T-bar **DTR** - Drywall trim **DTL** - Drywall trimless **DMF** - Drywall mud flange	**W** - Matte white **AL** - Aluminum **B** - Matte black **CF#** - Custom finish, specify RAL#	**NEF** [18] - No end flanges **FU120** - Fuse 120V **FU277** - Fuse 277V **FWC** - Flexible whip cable (6' std) **CP** - Chicago Plenum **NA** - None [17] Separate codes with a "+" if more than one is specified. [18] For wall-to-wall installations.	

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PoE Power-over-Ethernet   WELL   WELL

UBIK PERIMETER

Lumenwerx

RECESSED
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Dimensions

LEVEL

1 3/4"
2 5/8"
5 1/2"
3 3/4"

SHALLOW

1 3/4"
2 5/8"
6 1/2"
4 3/4"
1"

DEEP

1 3/4"
2 5/8"
8 3/4"
7"
3 1/4"

DRYWALL

DTR - Trim

3 9/16"
hole width
3 3/4"
wall to flange

DTL - Trimless

3 3/8"
Hole width
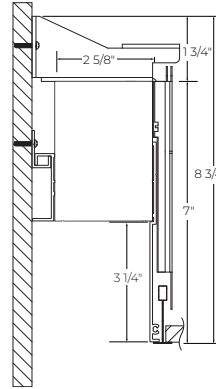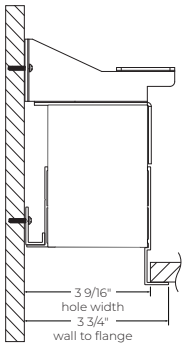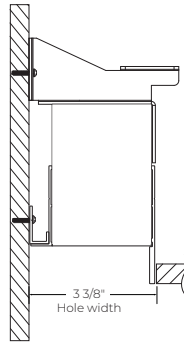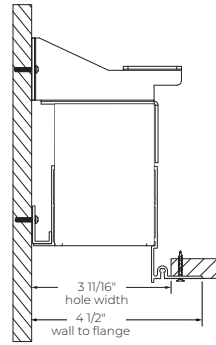
*For Level, the hole width is 3 3/16"

DMF - Mud flange

3 11/16"
hole width
4 1/2"
wall to flange

GRID

A
B

	TG9	TB9	TG15	TB15	ST
	Tegular 9/16"	T-bar 9/16"	Tegular 15/16"	T-bar 15/16"	Screw slot T-bar
A wall to flange	3 7/16"		3 9/16"		3 7/16"
B wall to T-bar	3 1/2"		3 5/8"		3 1/2"

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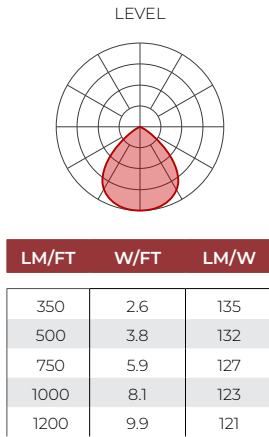
PoE Power over Ethernet

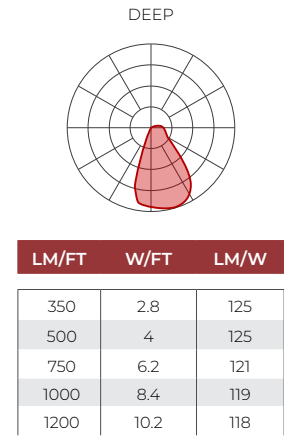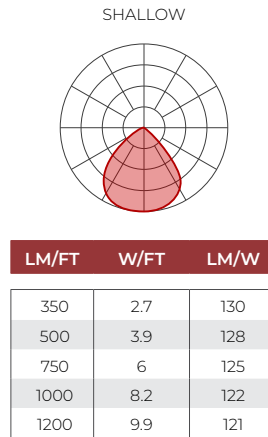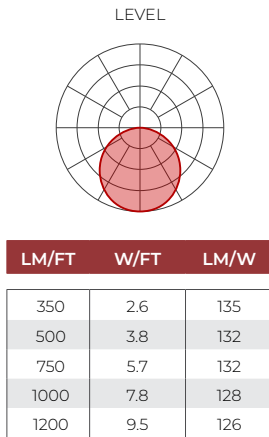WELL   WELL

UBIK PERIMETER

RECESSED
STATIC WHITE

Photometrics

Values calculated based on a 4' fixture at 3500K and 80 CRI for all optics. Watts and lumens per watt may vary based on the type of driver selected.

MWPL

LEVEL

LM/FT	W/FT	LM/W
350	2.6	135
500	3.8	132
750	5.9	127
1000	8.1	123
1200	9.9	121

SHALLOW

LM/FT	W/FT	LM/W
350	2.7	130
500	4	125
750	6.2	121
1000	8.5	118
1200	10.4	115

DEEP

LM/FT	W/FT	LM/W
350	2.8	125
500	4.1	122
750	6.3	119
1000	8.7	115
1200	10.7	112

HLO

LEVEL

LM/FT	W/FT	LM/W
350	2.6	135
500	3.8	132
750	5.7	132
1000	7.8	128
1200	9.5	126

SHALLOW

LM/FT	W/FT	LM/W
350	2.7	130
500	3.9	128
750	6	125
1000	8.2	122
1200	9.9	121

DEEP

LM/FT	W/FT	LM/W
350	2.8	125
500	4	125
750	6.2	121
1000	8.4	119
1200	10.2	118

MULTIPLIER TABLES

Use these tables to get results for different color temperatures and CRI for all photometric tables.

Multiplier - CCT/CRI - MWPL/MSPL/MBPL

CCT	WATTS		LPW	
	80 CRI	90 CRI	80 CRI	90 CRI
2700K	1.04	1.19	0.96	0.84
3000K	1.00	1.15	1.00	0.87
3500K	1.00	1.12	1.00	0.89
4000K	0.99	1.10	1.01	0.91
5000K	0.94	1.06	1.06	0.94

Multiplier - CCT/CRI - HLO

CCT	WATTS		LPW	
	80 CRI	90 CRI	80 CRI	90 CRI
2700K	1.05	1.27	0.95	0.79
3000K	1.02	1.23	0.98	0.81
3500K	1.00	1.19	1.00	0.84
4000K	1.00	1.19	1.00	0.84
5000K	0.96	1.12	1.04	0.89

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PoE Power over Ethernet

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Technical Specifications

OPTICS

Parabolic Louvers

Parabolic louvers provide excellent shielding and a pleasing crisp visual texture. The precisely molded louvers consist of 1" deep blades and are 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 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.

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.

LIGHT SOURCE

Custom linear array of mid-flux LEDs are mounted directly to the housing for optimal thermal performance. Available in 2700K, 3000K, 3500K, 4000K, and 5000K 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.

WELL BUILDING STANDARD

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 58 or L07 when 90 CRI 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

Ubik Perimeter is made up of standard 3' to 12' 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 3'. Parabolic louvers available in 6" increments. HLO available in 1" 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 (120-277 VAC) 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, eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, DALI protocol drivers. All of our standard 0-10V drivers are NEMA 410 compliant.

PoE Power over Ethernet

WELL

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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), QUADRO (RGBW), emergency battery backup, and sensor integration. These must be addressed and evaluated on a case-by-case basis.

ELECTRICAL SECTION OPTIONS

Electrical section options are available for fixtures specified as multi circuit (#MC). With MC, specify the total number of circuits (#), including any circuits required for optional electrical sections. A drawing is required to specify the layout. Please consult factory for custom configurations.

Electrical sections

Options include emergency-powered (#EC##), night light (#NL##), daylight (#DL##), and generator transfer device (#GTD##) sections. Specify the quantity (#), as well as the section length in inches (##).

Example 1: A 32' Direct fixture with two 8' emergency-powered sections on a second circuit.
Code: 2MC-2EC96

Example 2: A 24' Direct fixture with one 4' generator transfer device section.
Code: 1MC-1GTD48

Battery

Each emergency battery (#EMB) powers a 4' section. All batteries will be on the same circuit. Specify the number of batteries (#) required.
Factory installed long life, high temperature, maintenance-free Lithium-Ion battery pack with self-test functionality, test switch and charge indicator. Minimum of 90 minutes operation, up to 1000 lumens per 4' (25°C) emergency lighting output and recharge time of 24 hours.

MOUNTING

Recessed fixtures can be mounted into exposed or concealed T-bar or tegular ceiling, as well as in drywall ceilings with trim, trimless, or mud flange options.

FINISH

Interior: 95%, reflective matte powder coated white paint
Exterior: Powder-coat paint in standard white, aluminum, or black. Custom colors are also available.

CONSTRUCTION

Housing: Extruded aluminum up to 90% recycled content
Joiner bracket (DTL-DTR): Cold drawn steel
Joiner bracket (other): Galvanised steel
Louvers: Injection molded optical grade polycarbonate up to 95% reflective
HLO lens: Coextruded PMMA
Parabolic heatsink: Extruded aluminum up to 90% recycled content
Recessed flanges: Extruded aluminum up to 90% recycled content
HLO heatsink: Aluminum sheet
End plate: Aluminum sheet

WEIGHT

4': 16.5 lbs - 7.5 kg
8': 32.9 lbs - 14.9 kg
12': 49.4 lbs - 22.4 kg

CERTIFICATIONS

ETL: Rated for indoor dry/damp locations. Conforms to UL Standard 1598 and certified to CAN/CSA Standard C22.2 No. 250.0.
IC rated: Suitable for direct contact with insulation
Chicago Plenum: City of Chicago Approved (CCEA) when specified with CP option.

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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