

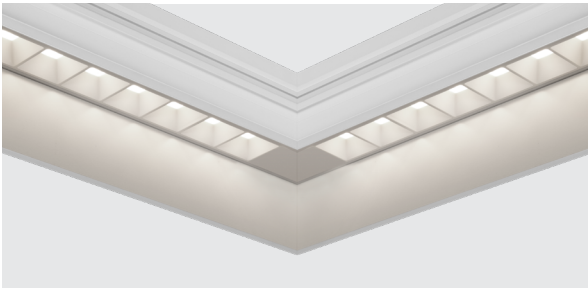
# UBIK PERIMETER

# LUMENWERX

RECESSED PATTERN  
STATIC WHITE



Project: \_\_\_\_\_  
Type: \_\_\_\_\_



## DESCRIPTION

Sleek square form meets superb function in Ubiq, a lighting family designed to provide a multitude of creative options. Designed with a 2.5" aperture, Ubiq 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. Ubiq 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 <sup>1</sup>	CRI
	<b>D</b>		<b>SW</b>	
<b>UBIPERLP</b> - Ubiq Perimeter Level Pattern <b>UBIPERSP</b> - Ubiq Perimeter Shallow Pattern <b>UBIPERDP</b> - Ubiq Perimeter Deep Pattern	<b>D</b> - Direct	<b>MWPL</b> - Matte White Parabolic Louver <b>MSPL</b> - Matte Silver Parabolic Louver <b>MBPL</b> - Matte Black Parabolic Louver <b>HLO</b> - High-Efficiency Lambertian Optic	<b>SW</b> - Static white  <sup>1</sup> Chromawerx Sola and Duo also available. Consult other spec sheet.	<b>80</b> - 80 CRI <b>90</b> - 90 CRI

LUMEN PACKAGE	COLOR TEMP.	PATTERN LENGTH	CORNER TYPE	CORNER DEGREE	VOLTAGE	DRIVER <sup>5</sup>
<b>350</b> - Eco low output 350 lm/ft <b>500</b> - Low output 500 lm/ft <b>750</b> - Medium output 750 lm/ft <b>1000</b> <sup>2</sup> - High output 1000 lm/ft <b>1200</b> <sup>2</sup> - Ultra high output 1200 lm/ft  <sup>2</sup> Available for non-IC applications only.	<b>27</b> - 2700K <b>30</b> - 3000K <b>35</b> - 3500K <b>40</b> - 4000K	<b>#FT#IN</b> <sup>3</sup> - Specify nominal length (#)  <b>Standard nominal lengths:</b> Single units: 3' to 12' Continuous runs: lengths over 12'  <sup>3</sup> 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.	<b>LEVO</b> - Leveled outside corner <b>LEVI</b> - Leveled inside corner	<b>90(#)</b> - 90 degrees, specify number of corners (#) <b>##(#)</b> - Other degrees, specify the angle degree #, followed by the number of corners (#)	<b>120</b> - 120V <b>277</b> - 277V <b>UNV</b> - 120V-277V <b>347</b> <sup>4</sup> - 347V  <sup>4</sup> Available with D1 driver only.	<b>D1</b> - 1% 0-10V <b>DA</b> <sup>6</sup> - DALI <b>LTEA2W</b> <sup>7</sup> - Lutron 1% - 2 wire FP 120V <b>LDE1</b> <sup>6</sup> - Lutron Hi-lume 1% Eco <b>ELD1</b> - eldoLED 1% ECOdrive 0-10V <b>ELDO</b> - eldoLED 0.1% SOLOdrive 0-10V  <sup>5</sup> PoE (Power-over-Ethernet) compatible. Consult factory for details. <sup>6</sup> On-site commissioning is required. <sup>7</sup> Available with 120V only.

ELECTRICAL	ELECTRICAL SECTIONS (optional) <sup>11,12</sup>	MOUNTING	FINISH	OPTIONS
<b>1C</b> - 1 circuit <b>#MC</b> <sup>8</sup> - Multi circuit <b>EC</b> - Emergency powered fixture <b>NL</b> - Night light fixture <b>DL</b> - Daylight fixture <b>GTD</b> <sup>9,10</sup> - Generator transfer device fixture  <sup>8</sup> Specify total number of circuits (#), including any circuits required for electrical section options. Provide drawing or layout specifications. Minimum 4' section per circuit. <sup>9</sup> Minimum 4' fixture. <sup>10</sup> Not available with 347V.	<b>#EC##</b> <sup>13</sup> - Emergency-powered section <b>#NL##</b> <sup>13</sup> - Night light section <b>#DL##</b> <sup>13</sup> - Daylight section <b>#GTD##</b> <sup>13,14,15</sup> - Generator transfer device section <b>#EMB</b> <sup>15,16</sup> - Emergency powered battery <b>NA</b> - None  <sup>11</sup> Specify with multi circuit (#MC) electrical option only. <sup>12</sup> Provide drawing or layout specifications. Consult factory for other configurations. Default section length is 4'. <sup>13</sup> Specify quantity (#), and section length in inches (##). <sup>14</sup> Minimum 4' section. <sup>15</sup> Not available with 347V. <sup>16</sup> Specify quantity (#). All batteries will be on the same circuit. Each battery powers a 4' section.	<b>TG9</b> - Tegular 9/16" <b>TG15</b> - Tegular 15/16" <b>TB9</b> - T-bar 9/16" <b>TB15</b> - T-bar 15/16" <b>ST</b> - Screw slot T-bar <b>DTR</b> - Drywall trim <b>DTL</b> - Drywall trimless <b>DMF</b> - Drywall mud flange	<b>W</b> - Matte white <b>AL</b> - Aluminum <b>B</b> - Matte black <b>CF#</b> - Custom finish, specify RAL#	<b>FUI20</b> - Fuse 120V <b>FU277</b> - Fuse 277V <b>FWC</b> - Flexible whip cable (6' std) <b>CP</b> - Chicago Plenum <b>NA</b> - None



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## Pattern

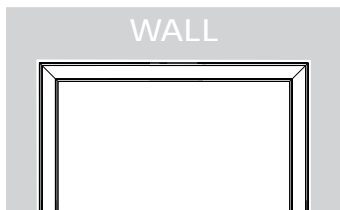


### HOW TO SPECIFY A PATTERN?

Please follow these steps when specifying in order to be as precise as possible.

- (1) We require a drawing illustrating the pattern you are trying to achieve - anything from a simple line drawing to elaborate architectural drawings will suffice. Please mark clearly on the drawing the location of the wall.
- (2) Under **PATTERN LENGTH**, enter the overall length of your pattern - either in feet or inches.
- (3) Under **CORNER TYPE**, please enter LEVO for leveled outside corner or LEVI for leveled inside corner.
- (4) Under **CORNER DEGREE**, please enter the angle in degrees of each corner required to complete your pattern, followed by the number of corners.

PATTERN LENGTH	CORNER TYPE	CORNER DEGREE
<p><b>#FT#IN</b><sup>1</sup> - Specify nominal length (#)</p> <p><b>Standard nominal lengths:</b> Single units: 3' to 12' Continuous runs: lengths over 12'</p> <p><sup>1</sup>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.</p>	<p><b>LEVO</b> - Leveled outside corner <b>LEVI</b> - Leveled inside corner</p>	<p><b>90(#)</b> - 90 degrees, specify number of corners (#) <b>#(#)</b> - Other degrees, specify the angle degree #, followed by the number of corners (#)</p>



Inside Corner



Outside Corner

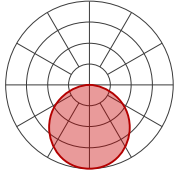
# UBIK PERIMETER

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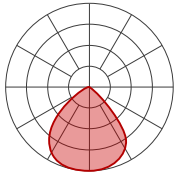
## Photometrics

Watts and lumens per watt may vary based on the type of driver selected.



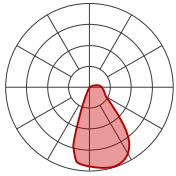
HLO - Level - Delivered Lumens at 35K at 80 CRI

LUMENS PER FOOT	TOTAL LUMENS PER 4FT	INPUT WATTAGE	LPW
350	1400	10.4	135
500	2000	15	133
750	3000	22.9	131
1000	4000	31.1	129
1200	4800	37.8	127



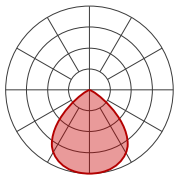
HLO - Shallow - Delivered Lumens at 35K at 80 CRI

LUMENS PER FOOT	TOTAL LUMENS PER 4FT	INPUT WATTAGE	LPW
350	1400	10.8	129
500	2000	15.7	128
750	3000	24	125
1000	4000	32.6	123
1200	4800	39.6	121



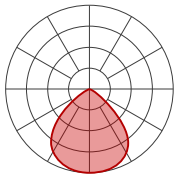
HLO - Deep - Delivered Lumens at 35K at 80 CRI

LUMENS PER FOOT	TOTAL LUMENS PER 4FT	INPUT WATTAGE	LPW
350	1400	11.2	126
500	2000	16.1	124
750	3000	24.6	122
1000	4000	33.5	119
1200	4800	40.7	118



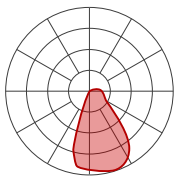
MWPL - Level - Delivered Lumens at 35K at 80 CRI

LUMENS PER FOOT	TOTAL LUMENS PER 4FT	INPUT WATTAGE	LPW
350	1400	10.4	135
500	2000	15.1	133
750	3000	23.4	128
1000	4000	32.4	124
1200	4800	39.6	121



MWPL - Shallow - Delivered Lumens at 35K at 80 CRI

LUMENS PER FOOT	TOTAL LUMENS PER 4FT	INPUT WATTAGE	LPW
350	1400	10.9	129
500	2000	15.8	127
750	3000	24.6	122
1000	4000	33.9	118
1200	4800	41.5	116



MWPL - Deep - Delivered Lumens at 35K at 80 CRI

LUMENS PER FOOT	TOTAL LUMENS PER 4FT	INPUT WATTAGE	LPW
350	1400	11.2	125
500	2000	16.2	123
750	3000	25.2	119
1000	4000	34.8	114
1200	4800	42.7	112

Multiplier - CCT/CRI - MWPL/MSPL/MBPL

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

Multiplier - CCT/CRI - HLO

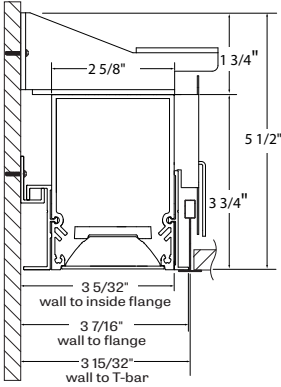
CCT (K)	WATTS		LPW	
	CRI 80	CRI 90	CRI 80	CRI 90
2700	1.05	1.27	0.95	0.79
3000	1.02	1.23	0.98	0.81
3500	1.00	1.19	1.00	0.84
4000	1.00	1.19	1.00	0.84

# UBIK PERIMETER

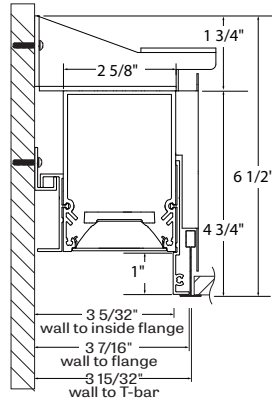
LUMENWERX

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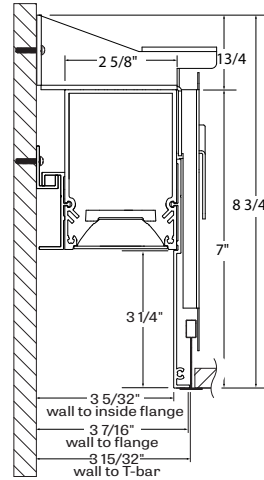
## Cross sections



Ubik Perimeter - Level



Ubik Perimeter - Shallow



Ubik Perimeter - Deep

## Technical Specifications

### OPTICS

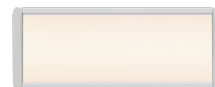
#### Parabolic Louvers

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



#### 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.



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### LIGHT SOURCE

Custom linear 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 operate 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.



**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](mailto:well@lumenwerx.com).

### PATTERN LENGTH

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 0-10V, eldoLED 0.1% SOLOdrive 0-10V, 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.

### 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.

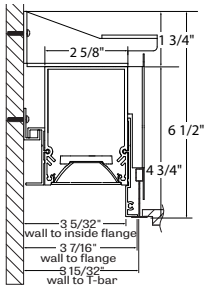
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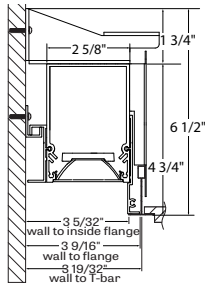
RECESSED PATTERN  
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## MOUNTING OPTIONS

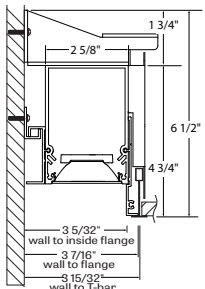
Recessed fixtures can be mounted into exposed or concealed T-bar or tegular grid ceilings.



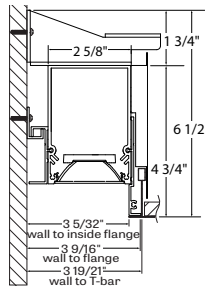
TG9 - Tegular 9/16"



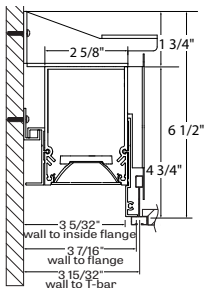
TG15 - Tegular 15/16"



TB9 - T-bar 9/16"

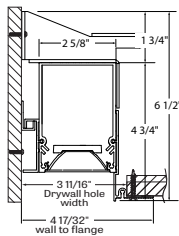


TB15 - T-bar 15/16"

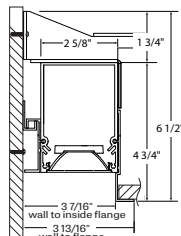


ST - Screw slot T-bar

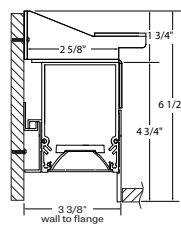
Mounting for drywall ceilings are available with visible trim, trimless or mud flange.



DMF - Drywall mud flange



DTR - Drywall trim



DTL - Drywall trimless

## CONSTRUCTION

- Housing** - Extruded aluminum (0.070" nominal) up to 90% recycled content
- Joiner bracket (DTL-DTR)** - Cold drawn steel 8 gauge thick
- Joiner bracket (other)** - Galvanised steel 16 gauge thick
- 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
- Recessed flanges** - Extruded aluminum (0.075" nominal) up to 90% recycled content
- HLO heatsink** - Aluminum sheet 10 gauge thick
- End plate** - Aluminum sheet 0.019" thick

## FINISH

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

## 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)

## 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.