PETITE DOWNLIGHT
ROUND RECESSED WALL WASH

Lumenwerx

5 YEAR WARRANTY

Flanged Trim

1"

Flush Flanged Trim

The Petite family strikes that perfect balance of compact size, streamlined aesthetics, and high performance. Through their 1" lens apertures, these meticulously engineered downlight, cylinder, and multi-aperture luminaires breathe light into spaces with a quiet, straightforward sophistication.

Beam Angle

Wall Wash

Light Source

Static White   SOLA   DUO

Performance

LUMEN OUTPUT [1]	WATTS	EFFICACY
243 lm	7 W	35 lm/W
316 lm	10 W	32 lm/W
422 lm	14 W	30 lm/W

[1] Lumen packages are assuming 3500K, 90 CRI, 45° beam, flush trim.

Ceiling Types

Drywall   Millwork   Acoustic Tile

Plenum Clearance

As low as 1 3/4"

Petite Family (Refer to other spec sheets)

Downlight

Adjustable   Recessed   Wall Wash

Multi-aperture

Adjustable   Recessed   Wall Wash

Cylinder

Pendant   Surface

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PoE
Power over Ethernet

PETITE DOWNLIGHT
ROUND RECESSED WALL WASH

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Project: _____

_____

Type: _____

Order Guide

LUMINAIRE ID [1]	TRIM STYLE	LENS	CEILING THICKNESS	INSTALLATION TYPE [2]	MOUNTING OPTION [5]
PETMRRWW		**WW**			
PETRRWW - Petite Round Recessed Wall Wash [1] Recessed (fixed) and Recessed Adjustable also available. Consult other spec sheets.	**TRM** - Flanged trim **TRMP** - Flush flanged trim drywall mudplate **TRMW** - Flush flanged trim millwork	**WW** - Wall wash diffuser	**05IN** - Up to 0.5" **1IN** - 0.5" - 1"	**IC** [3] - Type-IC **NIC** [4] - Type Non-IC **CP** [3] - Chicago Plenum Type-IC (CCEA) [2] See page 3 for more details. [3] Up to 10 W with 90 CRI. [4] Up to 14 W with 90 CRI.	**ASB** - Adjustable standard bar hangers **FMB** - Flush mount bars **ACB** - Adjustable commercial bar hangers **AHC** - Adjustable hat channel bars **NA** - None [5] See page 5 for more detail

LIGHT SOURCE	BEAM	COLOR QUALITY	CRI	COLOR TEMPERATURE	DRIVER
	WW				
SW - Static white	**WW** - Wall wash	**2STP** - 2 Step MacAdam Ellipse **3STP** - 3 Step MacAdam Ellipse	**90CRI** - 90 CRI **95CRI** - 95 CRI **80CRI** - 80 CRI	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K	**INTEGRAL** [6] [6] Access above the ceiling is required.
SOLA - Dim-to-warm single channel control **DUO** - Tunable white 2-channel control		**3STP** - 3 Step MacAdam Ellipse	**90CRI** - 90 CRI	SOLA **30K18K** - 3000K to 1800K **27K18K** - 2700K to 1800K DUO **65K27K** - 6500K to 2700K **50K27K** - 5000K to 2700K	**REMOTE** [7] [7] A remote driver box is provided, see page 4 for details.

VOLTAGE	WATTAGE	DIMMING [12]	BAFFLE FINISH	TRIM FLANGE FINISH
120V - 120V **277V** - 277V **UNV** - 120V-277V	**7W** - 7 W, up to 243 lm **10W** [9] - 10 W, up to 316 lm **14W** [10] - 14 W, up to 422 lm [9] Available with 90 CRI when specified with Type-IC/CP. [10] Only available with 90 CRI when specified with Type-NIC. [11] Not available with Type-IC/CP.	**D1** - 1% 0-10V **ELV** [13] - ELV 120V **TRI** [13] - TRIAC 120V **ELD1** - eldoLED 1% ECOdrive 0-10V **ELD0** - eldoLED 0.1% SOLOdrive 0-10V **PEQ0*** - Lutron Hi-lume Premier 0.1% EcoSystem [12] PoE (Power-over-Ethernet) compatible. Consult factory for details. [13] Available with 120V only. *On-site commissioning is required.	**FTMW** - Textured matte white **FTMB** - Textured matte black **FSPC** - Specular **FSSPC** - Semi-specular **FCHP** - Champagne **CF#** - Custom finish, specify RAL# **NA** - Not applicable	**FTMW** - Textured matte white **FTMB** - Textured matte black **FSPC** - Specular **FSSPC** - Semi-specular **FCHP** - Champagne **CF#** - Custom finish, specify RAL# **NA** - Not applicable
	SOLA **10W** - 10 W output, up to 269 lm **14W** [11] - 10 W output, up to 358 lm	SOLA **SD1** - Single 0-10V input **SELV** [13] - ELV 120V **STRI** [13] - TRIAC 120V		

> **FOR FULL REMOTE DRIVER SPECIFICATION, SEE "REMOTE DRIVER" SECTION BELOW.**

REMOTE DRIVER
Ordered separately. Specify each required remote driver box on a separate line.

REMOTE DRIVER [14]	LUMINAIRE QTY.	LUMINAIRE ID	VOLTAGE	WATTAGE	DIMMING [18]	
RDB						
RDB - Remote driver [14] Specify each required remote driver box on a separate line.	**1X** - 1 luminaire **2X** - 2 luminaires **3X** - 3 luminaires	**PETRRWW** - Petite Round Recessed Wall Wash	**120V** - 120V **277V** - 277V **UNV** - 120V-277V **347V** [15] - 347V [15] Available with RD1 driver only. Please consult factory.	**7W** - 7 W, up to 605 lm **10W** - 10 W, up to 798 lm **14W** [16] - 14 W, up to 1074 lm **16W** [17] - 14 W, up to 1163 lm [16] Only available with 90 CRI when specified with Type-IC/CP. [17] Not available with Type-IC/CP.	**RD1** - 1% 0-10V **RELV** [19] - ELV 120V **RTRI** [19] - TRIAC 120V **RLDE1** [20] - Lutron Hi-lume 1% Eco **RDA** [20] - DALI	**RELD1** - eldoLED 1% ECOdrive 0-10V **RELD0** - eldoLED 0.1% SOLOdrive 0-10V **+EB** [21] - Emergency battery
					[19] Available with 120V only. [20] On-site commissioning is required. [21] For emergency battery, code will be like the following example: RD1+EB.	
				SOLA **10W** - 10 W output, up to 428 lm **14W** [17] - 10 W output, up to 567 lm DUO **7W** - 7 W output, up to 251 lm	SOLA **RSD1** - Single 0-10V input **RSELV** [19] - ELV 120V **RSTRI** [19] - TRIAC 120V	DUO **RDMX** [20] - DMX **RDDA** [20] - DALI DT6 **RDDA8** [20] - DALI DT8
						RDD1 - Dual 0-10V input for CCT/intensity **RPSQ0** [20] - Lutron T-Series 1% tunable white

EXAMPLE CODE:		
LIGHT	PETRRWW-TRM-WW-05IN-IC-ASB-SW-WW-2STP-90CRI-35K-UNIV-7W-D1-FTMW-FTMW	**REMOTE DRIVER** RDBC-2X-PETRRWW-RD1 RDBC-1X-PETRRWW-RD1

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PoE

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ROUND RECESSED WALL WASH

Installation Types

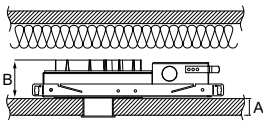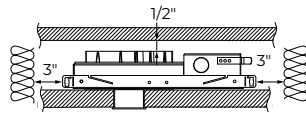| **IC** - Type-IC **NIC** - Type Non-IC	
INTEGRAL	**REMOTE**
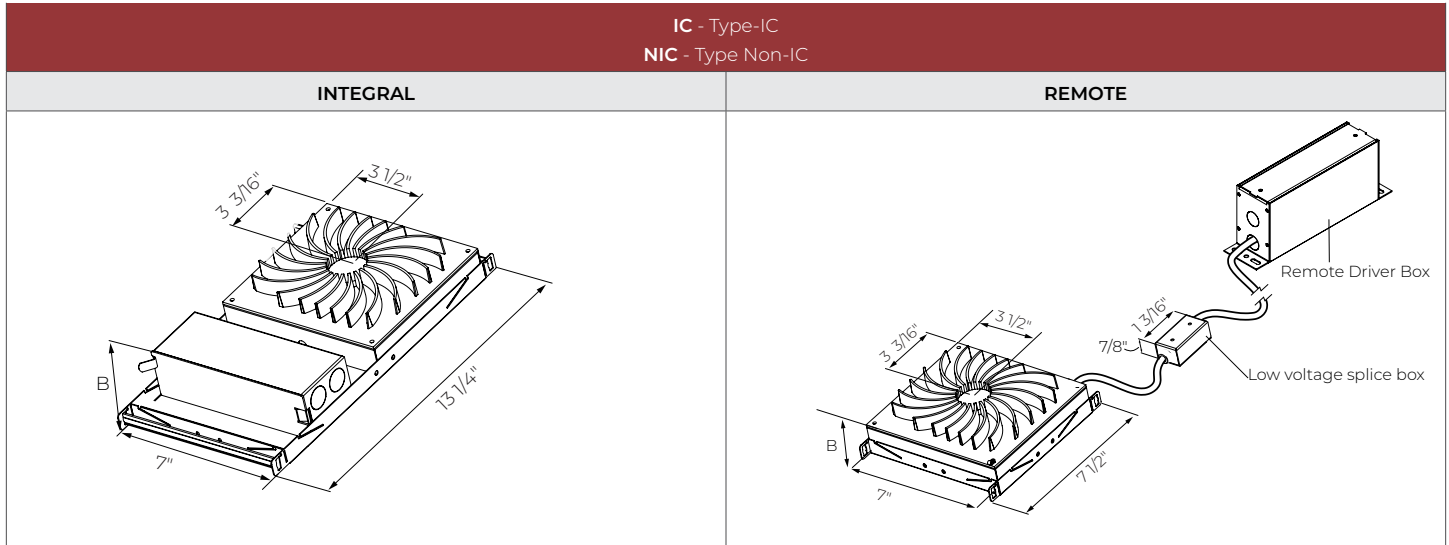
For integral, access above the ceiling is required.

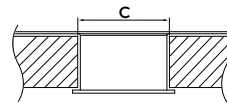For dimension B, see the PLENUM CLEARANCE table below.
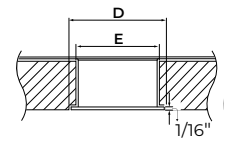
PLENUM CLEARANCE

IC - Insulated ceiling

NIC [2] - Non-insulated ceiling

[2] No insulation within 3" of the fixture.

CUT-OUT DIMENSIONS

TRM - TRMP

TRMW

PLENUM CLEARANCE HEIGHT AND CEILING THICKNESS					
		IC - TYPE IC		**NIC - TYPE NON-IC**	
A	Ceiling Thickness	**1IN**	**0.5IN**	**1IN**	**0.5IN**
B	Integral	2 1/8" (FMB) 4" (ASB, ACB, AHC)		2 5/8" (FMB) 4" (ASB, ACB, AHC)	
	Remote	1 3/4" (FMB) 4" (ASB, ACB, AHC)	2 1/8" (FMB) 4" (ASB, ACB, AHC)	2 1/4" (FMB) 4" (ASB, ACB, AHC)	2 5/8" (FMB) 4" (ASB, ACB, AHC)

CUT-OUT DIMENSIONS				
		Drywall	Acoustic Tile	Millwork
C	TRM	Ø 1 11/16"		N/A
	TRMP	Ø 11/16"	N/A	
D	TRMW	N/A		Ø 1 13/16"
E				Ø 1 11/16" with 1/16" lip

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REMOTE DRIVER BOX

RDBCS

3"
1 1/2"
8"

RDBCM

4 3/16"
1 1/2"
8"

RDBCL

6 3/16"
2"
8"
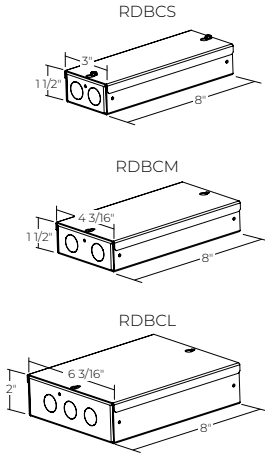
DRIVER	RDB	# DRIVERS
RD1	RDBCS	1X
	RDBCM	2X
	RDBCL	3X
RELV RTRI RDA RELD0 RELD1	RDBCS	1X
	RDBCM	2X, 3X

RDB18 / RDB24

2 3/8"
3 3/4"
B
A

RDB24W

5"
3 3/4"
B
A
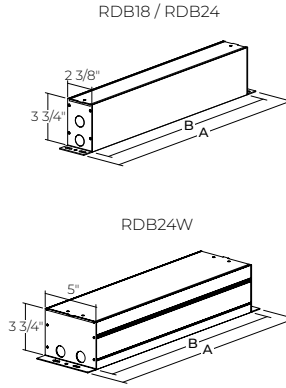
DRIVER	RDB	A	B
RLDE1	RDB18	20"	18"
RDMX RDDA RDDA8 RDD1 RPSQ0	RDB24	26"	24"
RD1+EB RELV+EB RTRI+EB			
RLDE1+EB RDA+EBI RELD1+EB RELD0+EB	RDB24W	26"	24"

RDBCS
Dim (optional)

RDBCM
Dim (optional)

RDBCL
Dim (optional)

■ LED (+)   ■ LED (-)   □ NEUTRAL   ■ LINE   ■ GROUND   ■ DIM+ optional   ■ DIM- optional

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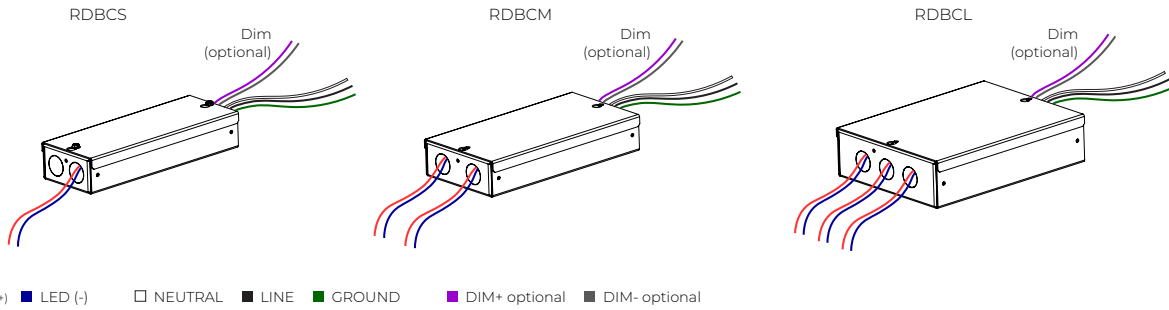
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Mounting Options

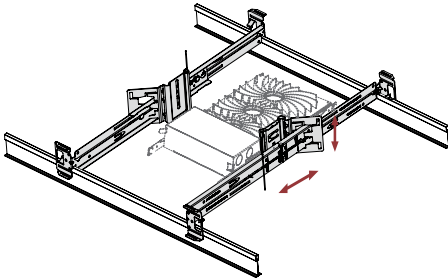### ASB - Adjustable Standard Bar Hangers
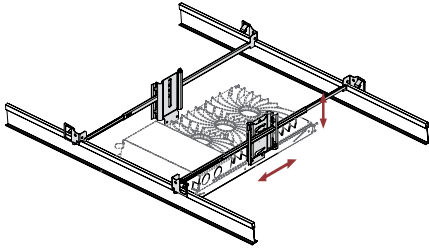
Adjustable Standard Bar hangers can be used in both commercial and residential applications and are adjustable to various heights in both Grid Ceiling and Drywall mounting. ASB hangers are less rigid and versatile than ACB hangers.

FMB - Flush Mount Bars
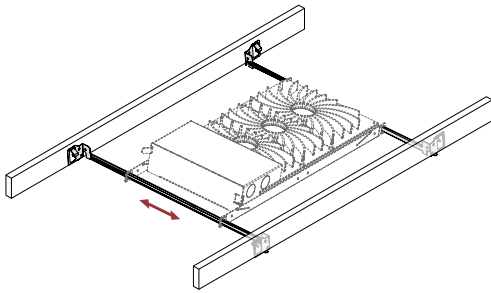
Flush Mount Bars are best used in residential applications, fitting snug to the surface and suitable for Wood, Metal, and Drywall mounting. The flush mounted bars are static and can't be adjusted.

ACB - Adjustable Commercial Bar Hangers

Adjustable Commercial Bar hangers can be used in both commercial and residential applications and are by far the most versatile mounting bar we offer with its adjustability to various heights. ACB hangers are suitable for Grid Ceiling, Drywall, Metal, Wood and Frame mounting.

· Extremely rigid
· Fits into C-Channel notches in a Butterfly Bracket

AHC - Adjustable Hat Channel Bars
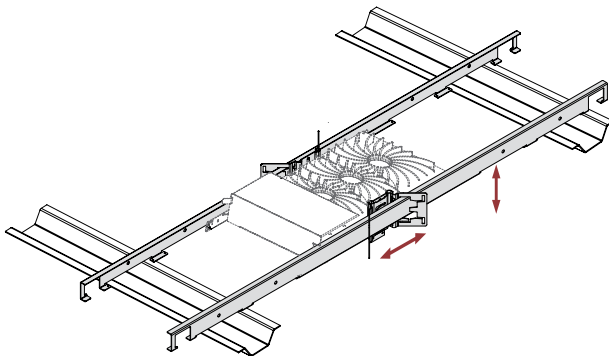
Adjustable Hat Channel bars can be used in both commercial and residential applications and come with a butterfly clip to adjust to various heights. AHC bars can be hung downward by 90 degrees in vertical position, and once wired, can be shifted onto the horizontal mounting plane. AHC bars are suitable for both Drywall and wood ceiling applications.
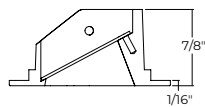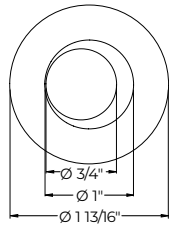
PETITE DOWNLIGHT
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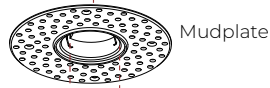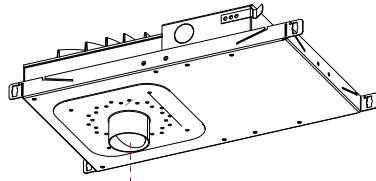
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Trim Style

Mudplate

TRM
Flanged trim

TRMP
Flush flanged trim drywall mudplate

TRMW
Flush flanged trim millwork

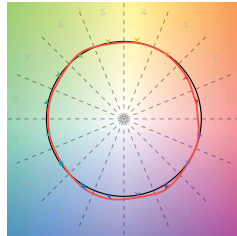| **TRM** - Flanged Trim	**TRMP -** Flush Flanged Trim Drywall Mudplate **TRMW** - Flush Flanged Trim Millwork

Ø 3/4"
Ø 1"
Ø 1 13/16"

7/8"
1/16"

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Color Quality

COLOR QUALITY - 3500K	
TM-30 R$_f$	91
TM-30 R$_g$	100
CRI	90
R9	> 50

Photometrics

Values calculated based on 3500K, 90 CRI, and with no lens.
The light distribution will vary depending on baffle finish and trim style.
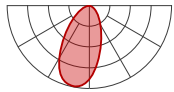
WW - Wall Wash

WATTAGE		7W		10W		14W	
Trim Style	Baffle Finish	lm	lm/W	lm	lm/W	lm	lm/W
Trim	White	243	35	316	32	422	30
	Black Champagne	190	27	246	25	328	23
	Specular Semi-specular	217	31	281	28	375	27
Trimless	White	NA	NA	NA	NA	NA	NA
	Black Champagne	NA	NA	NA	NA	NA	NA
	Specular Semi-specular	NA	NA	NA	NA	NA	NA

MULTIPLIERS

Please follow the multiplier tables to ensure correct lumen value. CCT, CRI, and lensing will change the lumen value.

CCT	
2700K	0.91
3000K	0.96
3500K	1
4000K	1.01

CRI	
80 CRI	1
90 CRI	1
95 CRI	0.77

For SOLA and DUO,
please consult factory.

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Technical Specifications

OPTIC
The CircaFlex™ Optic uses advanced beam-splitting technology to allow light to follow an intended optical path with maximal precision, minimal spread, and even distribution.

LIGHT SOURCE
Compact COB (Chip-On-Board) LED module, available in 2700K, 3000K, 3500K and 4000K with a choice of 80 CRI, 90 CRI, or 95 CRI, with elevated R9 value for 90 CRI and above. Color consistency is maintained to within 2 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.

CHROMAWERX
Chromawerx SOLA
Chromawerx SOLA is single-channel control that dims output while warming the color temperature in a pre-determined relationship. Two color temperature range options are offered: 3000K to 1800K, and 2700K to 1800K. A simple analog control adjusts a specially populated LED array to emulate the effect of dimming a filament source.

Chromawerx DUO
Chromawerx DUO offers a two-channel control system which uses analog or digital protocols for synchronous control of both cool to warm LED arrays - maintaining a CRI above 90. Two color temperature range options are offered: 6500K to 2700K, and 5000K to 2700K. The range of color DUO offers is useful for entraining circadian rhythms, stimulating alertness, and compensating for jet lag among other applications. The Chromawerx drivers are programmed to limit maximum light output and power usage across all color temperatures. When paired with DALI drivers (DDA/DDA8), color tuning follows a linear dimming curve.

ELECTRICAL
Unless otherwise specified, dimming down to 1%. At maximum driver load: efficiency>84%, PF>0.9, THD<20%.
Integral: 0-10V, ELV, TRIAC, eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, Lutron Hi-lume Premier 0.1% EcoSystem.
Remote: 0-10V, ELV, TRIAC, Lutron Hi-lume 1% Eco, DALI, eldoLED 1% ECOdrive 0-10V, eldoLED 0.1% SOLOdrive 0-10V, Lutron Hi-lume Premier 0.1% EcoSystem, DMX, Lutron T-series (tunable white).
Emergency Battery Option: Remotely-installed, long-life, high-temperature, maintenance-free, Bodine Lithium-Ion battery pack with self-test functionality, test switch and charge indicator. IOTA and Fulham options available upon request. Minimum of 90 minutes operation, and recharge time of 24 hours. For fixtures less than 10W, the battery provides 6W of emergency light output. For fixtures 10W and over, the battery provides 10W.

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.

CONSTRUCTION
Housing: For new construction, 20 gauge powder coated steel. 18 gauge galvanized steel junction box with ½" trade size knockouts. Adjustable hanger bars and butterfly brackets are included. Adjustable commercial hat channel and flush mounted brackets are also available.
Baffle: Die-cast aluminum mounted with retaining spring clips
Heat sink: Die-cast aluminum

WEIGHT
Integral: 4 lbs - 1.8 kg
Remote: 2.1 lbs. - 0.95 kg

LENS

Wall Wash

ENVIRONMENT
Ambient temperature at fixture location shall be within 0°C/32°F - 25°C/77°F, indoor dry or damp as well as outdoor damp use (canopies or marquees)

CERTIFICATION
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 on 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.