

ORDERING IN	FO SYSTEM DATA	DRIVER OPTIONS	SENSOR OPTIONS	PHOTOMETRIC DATA
JOB				
TYPE				
DATE				
	Rev	rised 12 /1 1 /2 4	LALIGHTING.COM	626-454-8300

INTERACTIVE BUTTONS

SUSPENSION/SURFACE MOUNTED LED LUMINAIRE



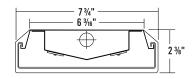


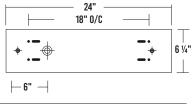
♦ 11/16" Stem Mtg. K.O. ⊕ 2" K.O.

7/8" K.O. on side of housing

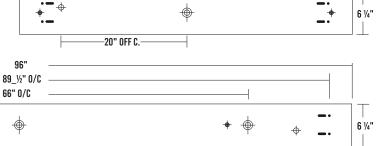
·- V-Hook

55 %" O/C





36" OFF C.



48"

42" O/C

SPECIFICATIONS

CONSTRUCTION

- 22 ga. die formed cold rolled steel housing
- Screwed-on end plates

FINISH

- · Baked white polyester finish
- Minimum reflectance 86%
- End plates powder coated finished / painted after fabrication

OPTICAL

• Frosted prismatic arcylic lens with linear side prisms

ELECTRICAL

- High efficiency drivers coupled with long-life LEDs
- Service life tested at 50,000 hours (L70)
- Universal voltage 120V through 277V (347V / 480V available)
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) ≤ 20%

LISTING

- DLC & DLC Premium
- UL USA and Canada listed
- · Suitable for damp locations

WARRANTY

- 5-year limited warranty
- 10-year limited warranty available

APPLICATIONS

- Stairwells
- Passageways
- Corridors

- Aisle Lighting
- Office
- Classrooms

FEATURES

- 0-10V Dimming driver standard
- Supports California Title 24 compliance

OPTIONS

- Controls
- Row mounting
- Cord & Plug
- Tunable white (2700K 6500K)
- Emergency battery pack
- Customization available upon request



Los Angeles Lighting Mfg. Co.





Due to continued product improvements and enhancements, Los Angeles Lighting Manufacturing Company reserves the right to alter specifications, dimensions, data, and/or materials without notice. Please visit our website to view the most current information.





WAN 107 LED 73/4" WIDE WRAPAROUND LED LUMINAIRE

ORDERING INFORMATION EXAMPLE: WAN107-4-4L-FPA-BPL1.5-DRDM-UNV-2/840 BACK TO TOP NOMINAL LED LUMENS **EFFICACY OPTICAL CONTROLS ELECTRICAL VOLTAGE** CRI / CCT **SERIES NOMINAL DRIVER** # OF LED LENGTH 2 • 2 LED Row **WAN107** (Blank) 2L **FPA** MSPCD(xx) **BPL1.5** Emergency Battery Pack
1500 lm Motion Sensor
 & Photocell 73/4" Wide 2000lm Standard • 2ft Frosted 0-10V Dimming 120V-277V · 80+CRI / 3000K **3** - 3000lm **4** - 4000lm Driver Wraparound Prismatic 120V 4L Arcylic Dimming 835 6 - 6000lm High Efficacy • 4ft Lens with Lens Option PIW(xx) DRSD 120 Volt • 80+CRI / 3500K Plug-in Branch Wiring Connector Step Dimming Driver Linear Side 4ft 2 - 2000lm 4 - 4000lm 5 - 5000lm HE Packages 2ft • 2000lm 8L Prisms MSPC(xx) 277V • 8ft Motion Sensor
 & Photocell · One or Two Circuit • 277 Volt • 80+CRI / 4000K Low Voltage Dimming DR2W *Contact • 3000lm *Contact 2-Wire Phase 347V factory for Lens Option 6 - 6000lm 8 - 8000lm 12 - 12000lm • 80+CRI / 5000K 4000lm factory for additional Dimming Driver • 347 Volt Cord 18 ga. 3-wire
 Plug Options
 NEMA Plug Type
 Length of Cord MSSD(xx) • 6000lm additional lens options Requires Motion Sensor Specific Voltage 480V 8TW length 4ft 2000lm Tunable White 827 to 865 options Step Dimming Callout 480 Volt 8ft 4 - 4000lm (Bi-Level) • 4000lm Lens Option Location on the fixture *Contact factory *Contact Contact factory 6 - 6000lm 8 - 8000lm factory for additional • 6000lm for additional regarding • 8000lm MS(xx) *Contact factory for driver options lumen Motion Sensor **10** - 10000lm additional electrical voltage packages **12** - 12000lm **16** - 16000lm • 14000lm Lens Option options options *Consult factory 20 - 20000lm **MSH** *Leave blank if not for additional <u>8ft</u> • 6000lm • 8000lm 24 - 24000lm Motion specified available options Sensor High for CRI & CCT *Contact factory · 12000lm Frequency for additional 16000lm • 20000lm lumen packages **MSHSD** · 24000lm Motion Sensor High Ferguency Step Dimming WLC(xx)

SYSTEM DATA CONTROLS DRIVER/BATTERY ELECTRICAL MOUNTING ACCESSORIES ACCESSORIES PHOTOMETRIC

*Contact factory for additional sensor options

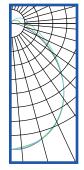
INTERACTIVE BUTTONS

PHOTOMETRIC DATA

WAN107-4-4L-FPA-DRDM-UNV-2/840

TEST NO. = LA-T LED TYPE = 24 LED MODULE NO. OF MODULE = 4 SYSTEM WATT (W) = 25.8 $CRI \ge 80$ $L70(Hrs.) \ge 50,000$ PHOTOMETRY TYPE = C

SPACING CRITERION					
ALONG	ACROSS				
1.23	1.26				



ZONAL LUMEN SUMMARY							
DEGREES	LUMENS	% LAMP	% FIXTURE				
0-30	1012	24.3	26.8				
0-40	1620	38.9	42.9				
0-60	2685	64.5	71.2				
0-90	3398	81.7	90.1				
90-120	268	6.5	7.1				
90-150	363	8.7	9.6				
90-180	375	9.0	9.9				
0-180	3773	90.7	100.0				

Luminaire Output = 3773.17 lumens Luminaire Efficacy = 146.25 lm/W Luminaire Efficiency = 90.66%



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WAN 107 LED 73/4" WIDE WRAPAROUND LED LUMINAIRE

SYSTEM DATA THESE ARE THE MOST POPULAR LUMEN PACKAGES. PLEASE CONSULT FACTORY FOR ADDITIONAL SYSTEM DATA. BACK TO TOP

2' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	LUMINAIRE EFFICIENCY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	WAN107-2-2L-FPA-DRDM-UNV-2/840	1862	13.4	138.84 lm/W	89.50%	-20°C / 35°C (-4°F / 95°F)	2-F17T8 1-F24T5HO	<u>LA-T3675</u>
3000 Lumens (Nominal)	WAN107-3-2L-FPA-DRDM-UNV-2/840	2950	22.1	133.49 lm/W	89.50%	-20°C / 35°C (-4°F / 95°F)	3-F17T8	*
4000 Lumens (Nominal)	WAN107-4-2L-FPA-DRDM-UNV-2/840	3657	26.7	136.94 lm/W	89.50%	-20°C / 35°C (-4°F / 95°F)	4-F17T8 2-F24T5HO	*

2' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	LUMINAIRE EFFICIENCY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	WAN107-2HE-2L-FPA-DRDM-UNV-2/840	2014	13.5	148.68 lm/W	89.50%	-20°C / 35°C (-4°F / 95°F)	2-F17T8 1-F24T5HO	*
3000 Lumens (Nominal)	WAN107-3HE-2L-FPA-DRDM-UNV-2/840	2809	18.3	153.36 lm/W	89.50%	-20°C / 35°C (-4°F / 95°F)	3-F17T8	*
4000 Lumens (Nominal)	WAN107-4HE-2L-FPA-DRDM-UNV-2/840	3580	23.5	152.65 lm/W	89.50%	-20°C / 35°C (-4°F / 95°F)	4-F17T8 2-F24T5HO	*

4' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	LUMINAIRE EFFICIENCY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	WAN107-2-4L-FPA-DRDM-UNV-2/840	1888	13.2	143.38 lm/W	90.66%	-20°C / 35°C (-4°F / 95°F)	1-F32T8	*
4000 Lumens (Nominal)	WAN107-4-4L-FPA-DRDM-UNV-2/840	3773	25.8	146.45 lm/W	90.66%	-20°C / 35°C (-4°F / 95°F)	2-F32T8 1-F54T5HO	<u>LA-T3676</u>
6000 Lumens (Nominal)	WAN107-6-4L-FPA-DRDM-UNV-2/840	5615	39.0	144.14 lm/W	90.68%	-20°C / 35°C (-4°F / 95°F)	3-F32T8	<u>LA-T3677</u>
8000 Lumens (Nominal)	WAN107-8-4L-FPA-DRDM-UNV-2/840	7411	52.7	140.70 lm/W	90.68%	-20°C / 35°C (-4°F / 95°F)	4-F32T8 2-F54T5HO	<u>LA-T3678</u>

4' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	LUMINAIRE EFFICIENCY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	WAN107-2HE-4L-FPA-DRDM-UNV-2/840	2003	12.8	156.40 lm/W	90.66%	-20°C / 35°C (-4°F / 95°F)	1-F32T8	*
4000 Lumens (Nominal)	WAN107-4HE-4L-FPA-DRDM-UNV-2/840	3671	22.7	161.44 lm/W	90.66%	-20°C / 35°C (-4°F / 95°F)	2-F32T8 1-F54T5HO	*
6000 Lumens (Nominal)	WAN107-6HE-4L-FPA-DRDM-UNV-2/840	5690	35.4	160.55 lm/W	90.66%	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*
8000 Lumens (Nominal)	WAN107-8HE-4L-FPA-DRDM-UNV-2/840	7253	45.3	160.15 lm/W	90.66%	-20°C / 35°C (-4°F / 95°F)	4-F32T8 2-F54T5HO	*

8' - LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	LUMINAIRE EFFICIENCY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
4000 Lumens (Nominal)	WAN107-4-8L-FPA-DRDM-UNV-2/840	3779	25.4	148.69 lm/W	90.70%	-20°C / 35°C (-4°F / 95°F)	2-F32T8 1-F54T5HO	*
8000 Lumens (Nominal)	WAN107-8-8L-FPA-DRDM-UNV-2/840	7550	50.1	150.82 lm/W	90.70%	-20°C / 35°C (-4°F / 95°F)	4-F32T8 2-F54T5HO	<u>LA-T3679</u>
12000 Lumens (Nominal)	WAN107-12-8L-FPA-DRDM-UNV-2/840	11232	75.6	148.59 lm/w	90.70%	-20°C / 35°C (-4°F / 95°F)	6-F32T8 3-F54T5HO	*
16000 Lumens (Nominal)	WAN107-16-8L-FPA-DRDM-UNV-2/840	14826	102.4	144.82 lm/W	90.70%	-20°C / 35°C (-4°F / 95°F)	4-F54T5HO 400W MH	*

8' - LED LUMEN	NORMAL AMBIENT TEMPERATURE	DELIVERED	SYSTEM	LUMINAIRE	LUMINAIRE	AMBIENT	FLUORESCENT	IES FILES
PACKAGE	(HIGH EFFICACY) PRODUCT CODE	LUMENS	WATTS	EFFICACY	EFFICIENCY	TEMP.	EQUIVALENT	
8000 Lumens (Nominal)	WAN107-8HE-8L-FPA-DRDM-UNV-2/840	7345	44.8	163.97 lm/W	90.70%	-20°C / 35°C (-4°F / 95°F)	4-F32T8 2-F54T5HO	*

System data is based on 120V input voltage. Actual performance may differ as a result of end-user environment and application.

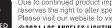
This fixture has been tested and listed in accordance with UL Standards. L.A. Lighting certifies that it will operate safely when installed properly, and within an ambient temperature range noted in the system data table. Additional lumen packages and color temperatures available.



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CONTROL OPTIONS

MS(W)(Lens Option) - Motion Sensor¹
• Turns light ON/OFF with motion detection

MSSD(W)(Lens Option) - Motion Sensor - Step Dimming (Bi-Level)1

Step-dims output with motion detection

MSPC(W)(Lens Option) - Motion Sensor & Photocell1

Holds lights OFF when sufficient daylight is present regardless of

MSPCD(W)(ADC)(Lens Option) - Motion Sensor & Photocell Dimming (Auto Dim Control)1

- Automatically dims output through preset photocell
- ON/OFF with motion detection

MSPCD(W)(ANL)(Lens Option) - Motion Sensor & Photocell Dimming (Auto Night Light)1

- Automatically dims output through preset photocell
 Low setting when unoccupied full ON with motion
- For 24 hour use

MSPCDBT(W)(Lens Option) - Motion Sensor & Photocell Dimming (Setup w/Smartphone App)²

- Field adjustable dimming sensor capabilities: »Step-dims (HIGH/LOW output)
- »Auto Dim Control (dim to desired foot-candles, ON/OFF with motion) »Auto Night Light (dim to desired foot-candles, LOW without motion)
- · Holds lights OFF when sufficient daylight is present regardless of motion detection
- Adjustable ramp up & fade down time
 Remote setup & adjustment via the iOS® or Android® sensor

 Adjustable ramp up & fade down time
 Remote setup & adjustment via the iOS® or Android® sensor configuration app

MSPCDR(W)(Lens Option) - Motion Sensor & Photocell Dimming (setup w/Remote Control)2

- · Field adjustable dimming sensor capabilities:
- »Step-dims (HIGH/LOW output)
- »Auto Dim Control (dim to desired foot-candles, ON/OFF with motion)
- »Auto Night Light (dim to desired foot-candles, LOW without motion)
- Holds lights OFF when sufficient daylight is present regardless of motion detection
- · Adjustable ramp up & fade down time
- · Remote setup & adjustment via handheld wireless tool sold separately P/N: REMOTE(Mfg. Name)

PCSE(W)(Lens Option) - Photocell¹
• Holds lights OFF when sufficient daylight is present regardless of motion detection

PCSDE(W)(Lens Option) - Photocell Sensor & Step Dimming (Bi-Level)1

Step-dim's light output with motion detection

PCS / SH - Photocell Sensor with Light Shield Dome¹

- Turns light ON/OFF based on light levels
- Comes with Light Shield Dome

Mounting Heights

- 2 8-40ft

MC F \A/ /I\							
<u>VIS Ę W (LV</u>	LENS	LENS OPTION					
	(LW)	Extra Wide	6x Height				
	(H)	High Bay	3x Height				
	(L)	Standard	2x Height				
	(A)	Aisle Way	3x Height				
	(Blank)	No Specifie Option	ed Lens				
	(Blank) - L W - Wet Li		for damp liste				
		eave blank tounted sense	for default m				
			FF based on				
	MSPC - Ho	olds light OF	F when suffi				
	MSPCD - /	MSSD - Step-dims output with motion detection MSPCD - Automatically dims output through preset photocell, ON/OFF with motion detection PCS - Photocell PCSD - Photocell with step-dimming					
	PCSD - Ph						
	*Not all se	*Not all sensor configurations allow for apply to all fixtures. Please consult factory for additional information.					

HIGH FREQUENCY MOTION SENSORS

MSH - Motion Sensor High Frequency (Microwave)

- Super high frequency motion sensor (also known as microwave sensor) which detects movement when installed behind low density fixture materials, such as polycarbonate, acrylic and glass diffusers
- Turns light ON/OFF based on motion detection
- Fixture mounting height ~30ft

MSHSD - Motion Sensor High Frequency Step Dimming (Microwave)

- · Step-dims output with motion detection
- Turns light ON/OFF based on motion detection





CONTROL OPTIONS BACK TO TOP



WLC(LEDRU) - EnOcean® LED Relay Zone Controller

- Supports a single LED fixture or multiple daisy chained LED fixtures
- Module installed inside lighting fixture

ESRPU-W-EO - EnOcean® Rocker Switch - Single - Surface Mount

- Wireless single rocker switch with mounting plate

EDRPU-W-EO - EnOcean® Rocker Switch - Double - Surface Mount

- Wireless double rocker switch with mounting plate
- No batteries needed

S3054-N300 - EnOcean® Navigan NWC 300U - Commissioning Tool

- Navigan Wireless Commissioner is used to configure EnOcean controllers & sensors
- It can be used to define link tables, change parameters/settings, & to edit & store projects
- Configuration settings can be saved & cloned to enable quick configuration
- Connectivity is through the NWC 300U USB Stick

EOSWU-W-EO - EnOcean® Occupancy Sensor - Wall Mount

- Wireless wall mounted occupancy sensor
- · Solar powered no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with both wide angle (50ft) and long range (100ft) options
- · Mounting height: 6-8ft

EOSCU-W-EO - EnOcean® Occupancy Sensor - Ceiling Mount

- · Wireless ceiling mounted occupancy sensor
- · Solar powered no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with 360° viewing angle lens (34' diameter)
- Mounting height: 7-10ft

ELLSU-W-EO - EnOcean® Light Level Sensor - Ceiling Mount

- Light Level sensor that measures and reports the level of available natural light
- Solar powered no batteries needed (coin battery operated in low light conditions)
- Enables implementation of daylight harvesting control systems
- · Mounting position: At the ceiling, close to ambient light source

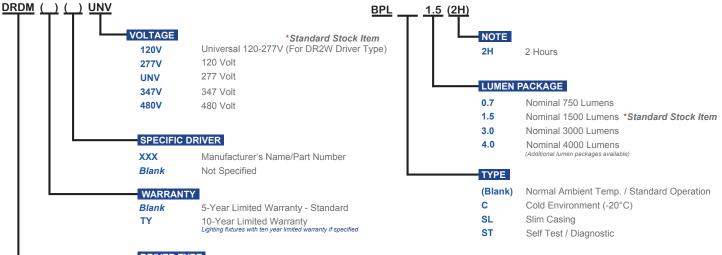
DRIVER OPTIONS BATTERY PACK OPTIONS BACK TO TOP

PLEASE CONSULT FACTORY TO SEE IF YOUR SELECTED DRIVER OPTION WORKS WITH THIS FIXTURE

PLEASE CONSULT FACTORY TO SEE IF YOUR SELECTED BATTERY OPTION WORKS WITH THIS FIXTURE

LED EMERGENCY BATTERY PACKS

(Operates for 90 minutes unless otherwised specified)



DRIVER TYPE

DRDM 0-10V Dimming Driver *Standard Stock Item

DRDM1 0-10V Dimming Driver, 1% Dimming

DRDM2C 2-Channel 0-10V Dimming Driver (for Color Tunable White)

DR2W 2-Wire Phase Dimming Driver (TRIAC, Mark 10) **DRDA** Digital Addressable DALI Dimming Driver

DRDA2C Digital Addressable DALI Type 8, 2-Channel Driver (for Color Tunable White)

DRSD Step Dimming Driver

DR(LTEA2W) Lutron® 2-Wire, 1% Dimming Driver (120V Forward Phase only)

DR(LDE1) Lutron® EcoSystem 1% Soft-On, Fade-to-Black

DR(PEQ0E) Lutron® EcoSystem 0.1% Soft-On, Fade-to-Black Dimming Driver

DR(PSQ020) Lutron® T-Series Digital 1% Dimming 2-Channel Driver (for Color Tunable White) DRCR(DXL) Osram Dexal Driver

DRCR(SR) Signify Sensor Ready Driver

DRCR(xxx) Control Ready Driver (Specify Driver Manufacturer)

(UL)



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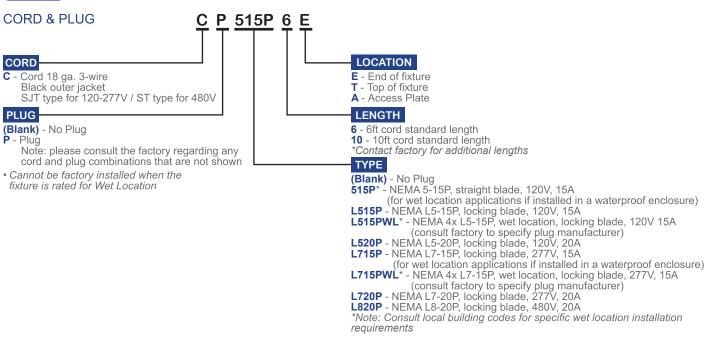


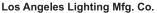






ELECTRICAL BACK TO TOP





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MECHANICAL MOUNTING BACK TO TOP

THREADED MOUNTING STEMS

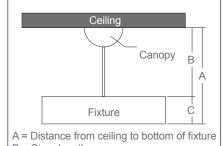
STEM

- 3/8" IPS, nominal OD 5/8"
- Threaded 1" each end
- 2 lock nuts provided per stem
- Standard lengths: 6", 12", 18", 24", 30", 36", 48"
- · Baked white enamel finish
- To order, specify length required after STEM. Example: **STEM12** for 12", **STEM24** for 24", etc.

Other lengths & finishes are available as specified



Stem Length Calculation



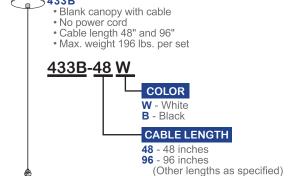
B = Stem length

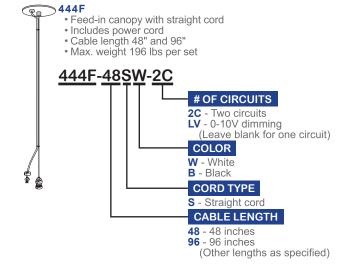
C = Height of fixture

Stem Length B = A - C

CANOPY / CABLE SUSPENSION SYSTEM

Self-locking, one-step adjustable suspension device with canopies
 Provides a full circumferential 360° swivel action







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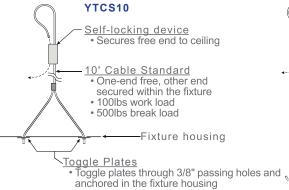
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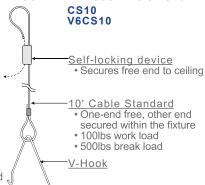


MECHANICAL MOUNTING BACK TO TOP

Y-TOGGLE-END / CABLE SUSPENSION SYSTEM



V-HOOK / CABLE SUSPENSION SYSTEM





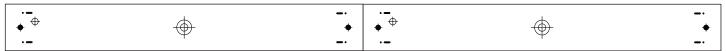
 Hooks install at end of fixture and in "CMC" tabs between fixtures when chain mounted in rows
 Two (2) per fixture

AT. NO	FOR FIXTURE SERIES
VC	6" LEG HEIGHT

ACCESSORIES

Row Mounting

Chase nipple and locknut not supplied by LA Lighting



Chase Nipple

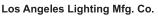
 Installs through a knockout from inside the fixture to create a short raceway between the fixtures



Lock Nut

 Secure threaded metal conduit fitting to a knockout





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