LRX5 LED
5" Wide Linear Recessed

Williams®

4-7/8"

5-11/16"

CATALOG #: _____

Type: _____

PROJECT: _____

BAA & BABA COMPLIANT · *DLC LISTED* · *CCEA Approved* · *UL 924*

FEATURES

- Sleek design incorporates clean lines, slim styling, and diffused matte acrylic lens
- Attractive source of direct lighting for use in offices, hallways, conference rooms or common areas
- Lift and shift lens allows easy access to internal components
- For use as stand-alone fixture or in continuous rows
- Grid or hardpan ceilings
- High-performance, seamless illumination
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING – 22-gauge die-formed, C.R.S.
- SHIELDING – Lift-and-shift flat diffuse matte acrylic, .080" thick.
- FINISH – 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- ELECTRICAL – High-quality mid-power LED boards. L70 >50,000 hours. 50/60 Hz constant current driver.
- MOUNTING – NEMA Type "G" 15/16" or 1" grid standard. 9/16" narrow-face grid and drywall flange types available.
- LISTINGS –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - City of Chicago Environmental Air approved when specified with CP option.
  - IC-rated for direct contact with insulation. [17]
  - UL 924 available, see Options.
  - DesignLights Consortium qualified product. Not all versions of this product may be DLC qualified, see the DLC Qualified Products List at designlights.org/QPL
  - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at hew.com/buy-american
- WARRANTY – 5-year limited warranty, see hew.com/warranty

ORDERING EXAMPLE: LRX5G - 4 - L20/835 - DMA - OPTIONS - CONTROL/DIM - UNV

SERIES	FIXTURE STYLE	LENGTH	LUMENS [1]	CRI	CCT
LRX5	**G** 15/16" or 1" grid [2]		**L8** 800lm	**8** 80	**27** 2700K
	N 9/16" Narrow grid [3]		**L12** 1,200lm	**9** 90	**30** 3000K
	F Flange		**L15** 1,500lm		**35** 3500K
			L20 2,000lm		**40** 4000K
					50 5000K

LENGTH

Stand-alone – 2', 4', 6' & 8' nominal lengths, fixture ships assembled. Example: **4** = 4'

Row-mount – Lengths specified in 2' increments. Example: **12** = 12'

PRODUCT BUILDER
Simplify ordering & layout design with the Williams Linear Product Builder at hew.com/product-builder

SHIELDING

DMA Diffuse matte acrylic lens, .080" thick

OPTIONS [4]

EM/10W	10-watt emergency battery [5]
EM/10WRM	Remote mount 10-watt emergency battery
EM/10WRM/RTS	Remote mount 10-watt emergency battery with regressed test switch
(L__)	Additional lower lumen packages available [6] Example: 1,800 lumens = LRX5G-4-L20/835-**(L18)**
CP	Chicago plenum (CCEA) [7]
GEN	Approved for UL 924 emergency generator circuit through-feed wiring [8]

CONTROL [9]

See page 5 for ADDITIONAL CONTROL OPTIONS.

–	None
AVI-LVFA	Avi-on wireless fixture control [10]
AVI-LVFA-CS2-PIR	Avi-on wireless fixture control with PIR motion and daylight sensor [11]
AWNR	Lutron Athena wireless node integral fixture control, RF only [12]
AWNS	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing [13]

DRIVER

See page 5 for ADDITIONAL DRIVER OPTIONS.

DIM	Driver with external 0-10V dimming wires
DRV	Driver without external dimming wires
DA	Driver with 12V auxiliary power, without external dimming wires [14]
DSR	Sensor-ready driver without external dimming wires (D4i DALI-2) [15]

VOLTAGE

120	120V
277	277V
UNV	120-277V
347	347V [16]

NOTES

[1] Lumens per foot output based on 80 CRI/3500K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
[2] Factory-installed earthquake clips provided.
[3] Field-installed earthquake clips provided.
[4] Remote EM batteries: max remote distance 50'. Large remote box provided. Specify CEC in the option code when California Energy Commission regulations are required. See page 2 for REMOTE MOUNT BATTERY DETAILS.
[5] Not available with 2' length.
[6] Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
[7] G or N fixture styles only.
[8] Maximum mounting height is 21.5' (6.6 m). Minimum lumen output is 400 lm/ft. See hew.com/UL924 for details.
[9] See page 4 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS. See page 3 for SENSOR & NODE PLACEMENT DETAILS.
[10] DA Driver only.
[11] DA Driver only.
[12] DA and DSR Drivers only.
[13] DA and DSR Drivers only.
[14] Avi-on and Lutron Athena Controls only.
[15] Lutron Vive and Athena Controls only.
[16] Not available with EM batteries, DA, or DSR Drivers.
[17] Not available with L20 lumen package.

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FIXTURE PERFORMANCE DATA

|	PER FOOT		
	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L8	803	6.4	125
L12	1204	9.6	125
L15	1513	12.2	124
L20	2006	16.4	122

- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI/3500K CCT, average wattage for 120V through 277V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier table to calculate additional options.

MULTIPLIER TABLE

	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
80 CRI	2700K	0.97
	3000K	0.99
	3500K	1.00
	4000K	1.03
	5000K	1.06
90 CRI	2700K	0.80
	3000K	0.82
	3500K	0.83
	4000K	0.86
	5000K	0.89

PHOTOMETRY

LRX5G-4-L20/835-DMA-DRV-UNV Total Luminaire Output: 8024 lumens; 65.4 Watts | Efficacy: 123 lm/W | 80 CRI; 3500K CCT
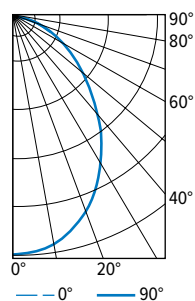
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	3512	3512	3512	
5	3539	3478	3478	331
15	3400	3304	3266	934
25	3106	2938	2826	1356
35	2653	2417	2263	1520
45	2077	1821	1666	1422
55	1464	1251	1133	1141
65	910	775	704	784
75	444	386	357	419
85	108	100	97	116
90	7	6	9	

CANDLEPOWER DISTRIBUTION

ZONE	LUMENS	% FIXTURE
0 - 30	2621	33
0 - 40	4142	52
0 - 60	6704	84
0 - 90	8024	100
0 - 180	8024	100

LUMEN SUMMARY

REMOTE MOUNT BATTERY DETAILS

EM/10WRM/RTS
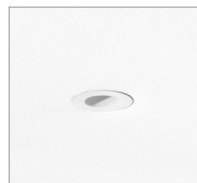
Regressed test switch
ø1-3/4"

EM/10WRM

Standard test switch
2-3/4" x 4-1/2"

Max remote distance is 50', connection by others.

Large remote box
9" x 24" x 2"

Fixture

Test switch
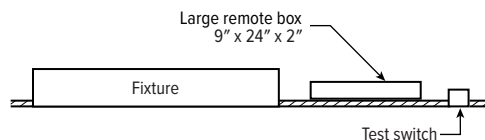
SEE NEXT PAGE FOR FIXTURE DETAILS

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FIXTURE DETAILS

See hew.com/power-entry for power entry details.

BACKVIEW

Access plate with (2) 7/8" KOs

7/8" KO

Overall Length

OVERALL LENGTH	
2'	23-13/16"
4'	47-13/16"
6'	71-13/16"
8'	95-13/16"

LRX5G

4-7/8"

5-1/16"
5-11/16"
Tee 6" O.C.

LRX5N

4-7/8"

4-15/16"
5-11/16"
Tee 6" O.C.

LRX5F

Min: 5-3/8"
Max: 6-7/16"

Min: 1-1/4"
Max: 2-5/16"

7-1/4"

RECOMMENDED CEILING OPENING	
2'	6-5/8" x 24"
4'	6-5/8" x 48"
6'	6-5/8" x 72"
8'	6-5/8" x 96"

For continuous row mounting, add 24"
for each additional 2' of row length.
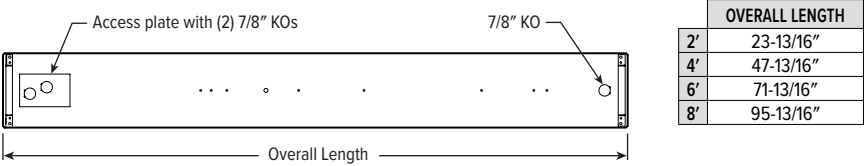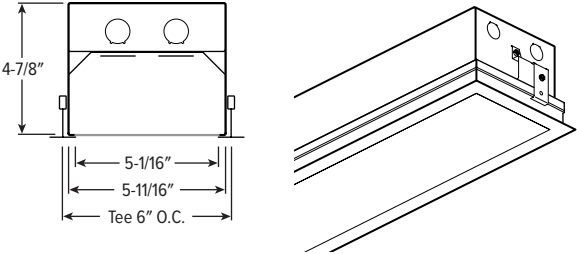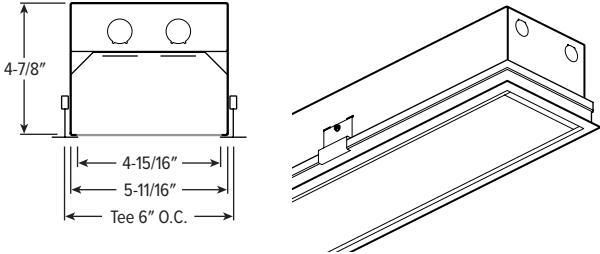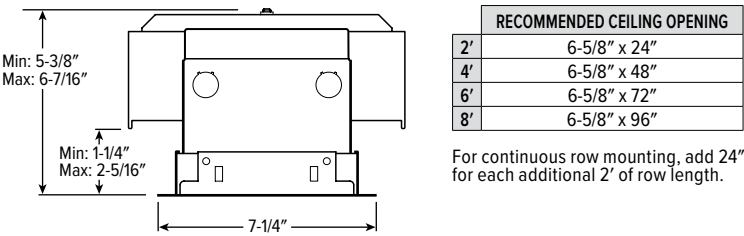
SENSOR & NODE PLACEMENT DETAILS
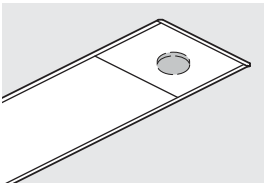
SEE NEXT PAGE FOR ADDITIONAL CONTROL DETAILS

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AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

FEATURES

Simple
- Gateway-free distributed control
- Contractor friendly installation
- Occupancy/vacancy/daylight sensing

Scalable
- Virtually unlimited network size
- Spans small offices to large warehouses
- Flexible control strategies

Secure
- Optional cloud connectivity
- UL IoT platinum security rating
- DLC 5.0 compliant

COMMISSIONING & INSTALLATION TOOLS

Avi-on mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers. Live commissioning training and on-site or remote support by Avi-on must be ordered separately through Avi-on.

Commissioning Mobile App

Zone Scanner Web App

Commissioning Pro App

SYSTEM COMPONENTS

Mobile Apps

Wall Stations

Remote Management & Monitoring

Remote Access Bridge

Ceiling Sensors
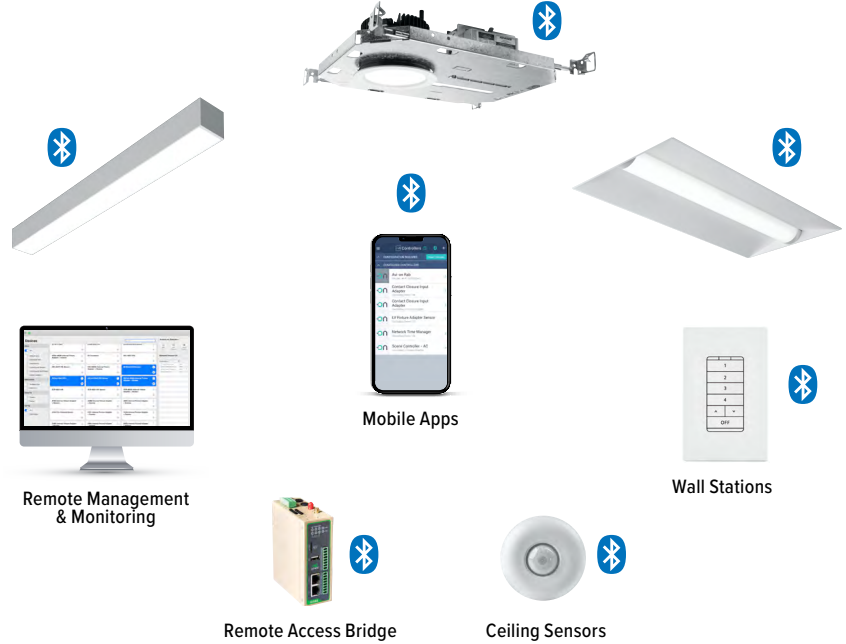
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ACCESSORIES

WALL STATIONS	
AVI-B-2401AC-1	Scene controller - buttons numbered 1-4 and up/down/off, 120-277VAC
AVI-B-2402BAT-1	Scene controller - buttons numbered 1-4 and up/down/off, battery powered
AVI-B-2401AC-2	Dimmer with presets - buttons with percentages and up/down/off, 120-277VAC
AVI-B-2402BAT-2	Dimmer with presets - buttons with percentages and up/down/off, battery powered
AVI-B-2401AC-3	Two button control on/off or hold to dim up/down, 120-277VAC
AVI-B-2402BAT-3	Two button control on/off or hold to dim up/down, battery powered

NETWORK	
AVI-RAB-LTE	Remote access bridge
AVI-NTM	Network time manager with battery backup

CEILING MOUNT SENSORS	
AVI-KIT-SEN-DUCM	PIR motion and ultrasonic sensor kit
AVI-KIT-SEN-ICM	PIR motion and photocell sensor kit

For load controllers and additional accessory info, see hew.com/avi-on

**AVI-LVFA-CS2-PIR** Avi-on wireless fixture control with PIR motion and daylight sensor. DA Driver only.

SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8′ – 10′
DETECTION ANGLE	360°
TEMPERATURE RANGE	-30° to 50°C
RELATIVE HUMIDITY	10 to 80% non-condensing
IP RATING	IP20
MANUFACTURER	Avi-On

AVI-ON®
Bluetooth® Lighting Controls

SENSOR COVERAGE PATTERNS

Side View

8′ height: ø24′ coverage
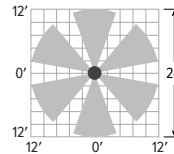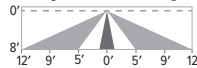
SENSOR DETAIL

Dimensions: 13/16″ x 2-1/4″

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ADDITIONAL CONTROL OPTIONS

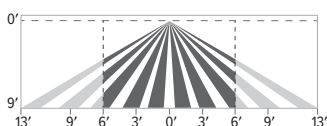**AWNS** Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing. DA and DSR Drivers only.

SPECIFICATIONS	
TYPE	Radio Frequency
MOUNTING HEIGHT	8' – 12'
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	Clear Connect gateway – Type X with app (iOS or Android)
MANUFACTURER	Lutron
	☀️LUTRON

SENSOR COVERAGE PATTERNS

9' height: ø12' coverage

Motion Sensor Coverage

CEILING HEIGHT	COVERAGE AREA (SQ FT)
8'	114
9'	144
10'	178
12'	256

SENSOR DETAIL

Dimensions: ø1-1/8"

ATHENA CONTROL OPTIONS

CATALOG NUMBER	DESCRIPTION
AWNR	Lutron Athena wireless node integral fixture control, RF only, for use with D4i DALI-2 or driver with 12V auxiliary power.
AWNS	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with D4i DALI-2 or driver with 12V auxiliary power.
AWNR-BL	Lutron Athena wireless node integral fixture control, RF only, for use with D4i DALI-2 or driver with 12V auxiliary power, black finish.
AWNS-BL	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with D4i DALI-2 or driver with 12V auxiliary power, black finish.

VDO Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC). DSR or LDE Drivers only. LDE drivers require driver interface

SPECIFICATIONS	
TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8' – 12'
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	App (iOS or Android)
MANUFACTURER	Lutron

SENSOR COVERAGE PATTERNS
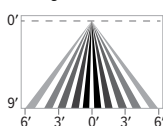
9' height: ø12' coverage

Motion Sensor Coverage

CEILING HEIGHT	COVERAGE AREA (SQ FT)
8'	114
9'	144
10'	178
12'	256

SENSOR DETAIL

Dimensions: 2-11/16" x 1"

VIVE CONTROL OPTIONS

CATALOG NUMBER	DESCRIPTION
VRF	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), for use with sensor-ready driver
VDO	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC), for use with sensor-ready driver
VRF/DBI	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and digital link interface, for use with Lutron Hi-lume 1% EcoSystem dimming LED driver
VDO/DBI	Lutron Vive integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OCC) and digital link interface, for use with Lutron Hi-lume 1% EcoSystem dimming LED driver

ADDITIONAL DRIVER OPTIONS

Note: Lumen restrictions apply, consult product builder at hew.com/product-builder

CATALOG NUMBER	DESCRIPTION
DRV	Driver without external dimming wires prewired for non-dimming applications
DIM	Driver with external dimming wires prewired for 0-10V low voltage applications
DIM1	1% driver with external dimming wires prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible, 120V only)
DIM TRC	Line voltage dimming driver (TRIAC compatible, 120V only)
DA	Driver with 12V auxiliary power, without external dimming wires
DSR	Sensor-ready driver without external dimming wires (D4i DALI-2)
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming driver

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