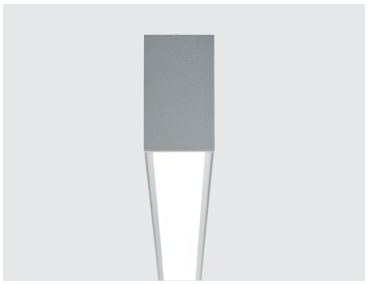
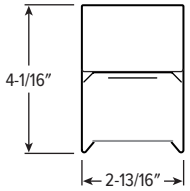
LRX2 Surface & Suspended 2″ Wide Linear





CATALOG #:

Type:

PROJECT:

BAA & BABA COMPLIANT

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
- Companion recessed fixture preserves continuity, see hew.com/LRX
- For use as stand-alone fixture or in continuous rows
- Installer friendly row aligners ensure seamless joining between fixtures
- High-performance, seamless illumination
- 2′, 4′, 6′ and 8′ lengths available
- Wireless in-fixture control solutions available
- Made Right Here® in the USA

SPECIFICATIONS

- HOUSING – 20-gauge die-formed and welded, C.R.S.
- SHIELDING – Lift-and-shift flat diffuse matte acrylic, .080″ thick.
- FINISH – Textured matte white polyester TGIC 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 per IES TM-21. 50/60 Hz constant current driver.
- MOUNTING – Surface (ceiling) or suspended (hanging hardware required).
- LISTINGS –
  - cCSAus certified as luminaire suitable for dry or damp locations.
  - UL 924 available, see Options.
  - 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: LRX2S - 4 - L8/835 - DMA - AC/D48 - OPTIONS - CONTROL/DIM - UNV

SERIES
LRX2

FIXTURE STYLE
S Surface
D Suspended

ILLUMINATED LENGTH [1]
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

LUMENS [2]
L4 400lm
L8 800lm
L12 1,200lm
L16 1,600lm

CRI
8 80
9 90

CCT
27 2700K
30 3000K
35 3500K
40 4000K
50 5000K

SHIELDING
DMA Diffuse matte acrylic lens, .080″ thick

MOUNTING (EXAMPLE: AC/D48) [3]
Prefix
AC/ Aircraft cables

Type
D 1″ grid & hardpan
N 9/16″ grid
S Slot grid

Length
24 24″
48 48″
96 96″

OPTIONS
*See page 3 for **FINISH OPTIONS**.*

EM/10W	10-watt emergency battery [4]
EM/10WRM	Remote mount 10-watt emergency battery [5]
EM/10WRM/RTS	Remote mount 10-watt emergency battery with regressed test switch [6]
(L__)	Additional lower lumen packages available [7] Example: 700 lumens = LRX2-4-L8/835-**(L7)**
GEN	Approved for UL 924 emergency generator circuit through-feed wiring [8]

CONTROL [9]
*Click **HERE** for control and sensor options.*

– None

DRIVER
*See page 3 for **ADDITIONAL DRIVER OPTIONS**.*

DIM Driver with external 0-10V dimming wires
DIM1 1% Driver with external 0-10V dimming wires
DRV Driver without external dimming wires

VOLTAGE
120 120V
277 277V
UNV 120-277V
347 347V [10]

NOTES
1. Endcaps add 3/16″ to overall specified length.
2. Lumens per foot output based on 80 CRI/3500K CCT. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
3. See page 2 for MOUNTING DETAILS.
4. Not available with 2′ length. Specify CEC in the option code when California Energy Commission regulations are required.
5. Max remote distance 50′. Large remote box provided. Specify CEC in the option code when California Energy Commission regulations are required. See page 3 for REMOTE MOUNT BATTERY DETAILS.
6. Max remote distance 50′. Large remote box provided. Specify CEC in the option code when California Energy Commission regulations are required. See page 3 for REMOTE MOUNT BATTERY DETAILS.
7. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
8. Maximum mounting height is 21.5′ (6.6 m). Minimum lumen output is 400 lm/ft. See hew.com/UL924 for details. Not available with tunable white.
9. Occupancy sensors add 2″ to overall fixture length.
10. Not available with EM batteries.

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FIXTURE PERFORMANCE DATA

	PER FOOT		
	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L4	423	4.0	106
L8	807	7.7	105
L12	1219	12.2	100
L16	1606	16.6	97

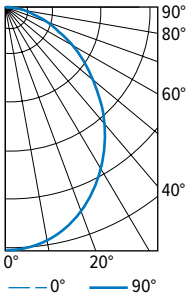
MULTIPLIER TABLE

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

- 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.

PHOTOMETRY

LRX2D-4-L8/835-DMA Total Luminaire Output: 3228 lumens; 30.8 Watts | Efficacy: 105 lm/W | 80 CRI; 3500K CCT

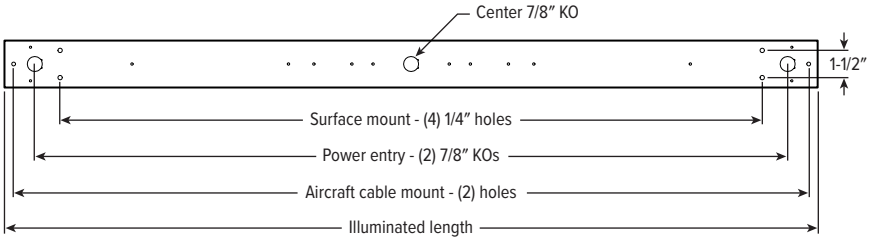


CANDLEPOWER DISTRIBUTION					
	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	1535	1535	1535	
	5	1529	1522	1511	144
	15	1450	1412	1368	396
	25	1299	1216	1138	559
	35	1090	978	883	614
	45	849	735	641	571
	55	608	510	422	459
	65	384	303	244	308
	75	189	132	103	150
	85	42	13	7	27
	90	0	0	0	

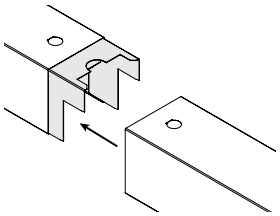
LUMEN SUMMARY			
	ZONE	LUMENS	% FIXTURE
	0 - 40	1713	53
	0 - 60	2742	85
	0 - 90	3228	100
	0 - 180	3228	100

FIXTURE DETAILS

BACKVIEW



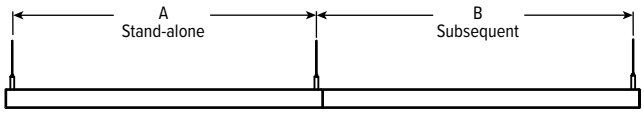
ROW ALIGNMENT SYSTEM



	ILLUMINATED LENGTH	SURFACE MOUNT	POWER ENTRY	AIRCRAFT CABLE	
				A	B
2′	24″	17-1/2″	20-1/2″	23″	24″
4′	48″	41-1/2″	44-1/2″	47″	48″
6′	72″	65-1/2″	68-1/2″	71″	72″
8′	96″	89-1/2″	92-1/2″	95″	96″

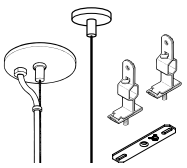
Note: Endcaps add 3/16″ to overall specified length.

AIRCRAFT CABLE ROW MOUNTING

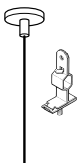


MOUNTING DETAILS

STANDARD HARDWARE FOR SUSPENDED PRODUCT (Grid and Hardpan)



Power End or Stand-Alone



Row Mount Support

Notes:

- Fixtures are provided with adjustable length aircraft cables and mounting hardware, must specify.
- Electrical supply is brought into the feeder fixture, either as part of a row or as a stand-alone unit. Joiner fixtures complete the row.
- The feeder kits are standard with a 5″ canopy to cover the junction box and a 2″ canopy at the non-feed point. No J-box is required at non-feed points.

CORD FOR SUSPENDED PRODUCT

The linear builder uses the mounting length and driver type to auto-select the necessary cord. See details below. Long fixture rows may require multiple feed points based on 18ga conductor size.

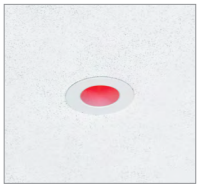
EXAMPLE: S2438D/W				
CORD TYPE	LENGTH	# OF COND.	WIRE SIZE	COLOR
S	**24** 24″ **48** 48″ **96** 96″	**3** **4** **5** [1] **6** [1]	**8D** 18ga	**/W** White **/B** Black

[1] Includes (2) 22ga purple & pink dimming conductors

LRX2 Surface & Suspended 2″ Wide Linear

REMOTE MOUNT BATTERY DETAILS

EM/10WRM/RTS



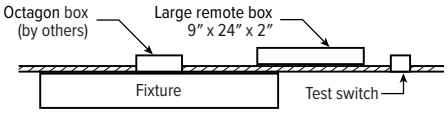
Regressed test switch
ø1-3/4″

EM/10WRM

Standard test switch
2-3/4″ x 4-1/2″

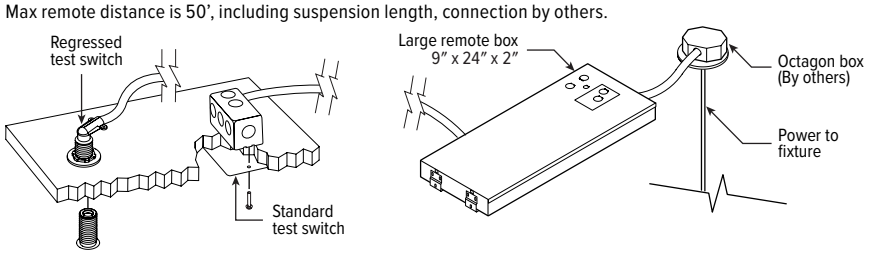
SURFACE

Max remote distance is 50′, connection by others.



SUSPENDED

Max remote distance is 50′, including suspension length, connection by others.



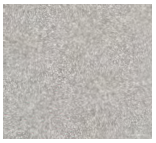
FINISH OPTIONS

WHITE

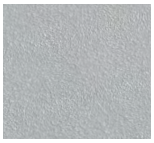
BLACK

BRONZE

NICKEL



SILVER

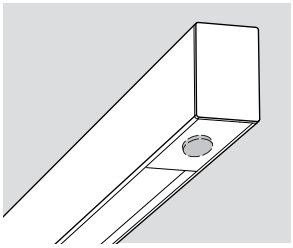


ALUM

RAL#____

For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require four sample swatches, minimum 1″ square.

SENSOR & NODE PLACEMENT DETAILS



ADDITIONAL DRIVER OPTIONS

Note: Restrictions may 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 (not available with 347V)
DSR	DALI-2 sensor-ready driver without external dimming wires (D4i DALI-2. Not available with 347V.)
DALI	DALI dimming driver
DMX	Driver prewired for DMX applications
SD40	40% step-dimming driver
SD50	50% step-dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming driver
LD2	Lutron DALI-2 digital driver, 1%
DCC	Remote UL Class 2 DC constant current supply, UL- or CSA-listed, by others