

PROJECT NAME		DATE	
CAT. NUMBER			
NOTES			

SPEC SHEET

URS Economy (URS-ECO)

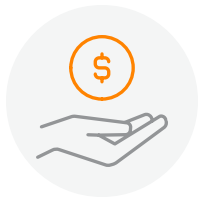
ECONOMICAL RETROFIT SYSTEM

*U.S. PATENT NO. 10,054,296



KEY FEATURES

- 2,400 to 19,000 lumens
- Up to 170 LPW
- 240° light distribution
- Up to 55°C ambient
- Estimated L70 >200,000 hours
- FCC CFR 47 Part 15
- 2' and 4' standard. Custom lengths available.⁵



Economical Retrofit Option

An economical, cost effective solution to the standard URS bar.



Quality Components

Comprised of a patented aluminum extrusion, high efficacy LEDs and an external dimmable LED driver.



Control and Sensors

Linmore LED driver with 0-10V dimming. Plus motion and dimming sensors, photocell and wireless controls available.



TECHNICAL SPECS

	LUMEN OUTPUT ²	EFFICACY	WATTS	PART NUMBER
2NA-2 2 ft. 2 bars	2,400	160	15	LL-URS-ECO-2NA-2-50K-15W
	2,880	160	18	LL-URS-ECO-2NA-2-50K-18W
	3,498	159	22	LL-URS-ECO-2NA-2-50K-22W
	4,082	157	26	LL-URS-ECO-2NA-2-50K-26W
	4,650	155	30	LL-URS-ECO-2NA-2-50K-30W
	5,572	155	36	LL-URS-ECO-2NA-2-50K-36W
2NA-3 2 ft. 3 bars	2,550	170	15	LL-URS-ECO-2NA-3-50K-15W
	3,024	168	18	LL-URS-ECO-2NA-3-50K-18W
	3,696	168	22	LL-URS-ECO-2NA-3-50K-22W
	4,316	166	26	LL-URS-ECO-2NA-3-50K-26W
	4,920	164	30	LL-URS-ECO-2NA-3-50K-30W
	5,817	162	36	LL-URS-ECO-2NA-3-50K-36W
	6,968	158	44	LL-URS-ECO-2NA-3-50K-44W
2NA-4 2 ft. 4 bars	2,550	170	15	LL-URS-ECO-2NA-4-50K-15W
	3,024	168	18	LL-URS-ECO-2NA-4-50K-18W
	3,696	168	22	LL-URS-ECO-2NA-4-50K-22W
	4,316	166	26	LL-URS-ECO-2NA-4-50K-26W
	4,950	165	30	LL-URS-ECO-2NA-4-50K-30W
	5,494	153	36	LL-URS-ECO-2NA-4-50K-36W
	6,580	150	44	LL-URS-ECO-2NA-4-50K-44W
	8,520	142	60	LL-URS-ECO-2NA-4-50K-60W
11,223	156	72	LL-URS-ECO-2NA-4-50K-72W	
4NA-1 4 ft. 1 bar	1,824	152	12	LL-URS-ECO-4NA-1-50K-12W
	2,235	149	15	LL-URS-ECO-4NA-1-50K-15W
	2,628	146	18	LL-URS-ECO-4NA-1-50K-18W
	3,168	144	22	LL-URS-ECO-4NA-1-50K-22W
	3,692	142	26	LL-URS-ECO-4NA-1-50K-26W
	4,200	140	30	LL-URS-ECO-4NA-1-50K-30W
	4,960	138	36	LL-URS-ECO-4NA-1-50K-36W
4NA-2 4 ft. 2 bars	2,898	161	18	LL-URS-ECO-4NA-2-50K-18W
	3,476	158	22	LL-URS-ECO-4NA-2-50K-22W
	4,056	156	26	LL-URS-ECO-4NA-2-50K-26W
	4,620	154	30	LL-URS-ECO-4NA-2-50K-30W
	5,505	153	36	LL-URS-ECO-4NA-2-50K-36W
	6,662	151	44	LL-URS-ECO-4NA-2-50K-44W
	8,900	148	60	LL-URS-ECO-4NA-2-50K-60W
9,968	138	72	LL-URS-ECO-4NA-2-50K-72W	

	LUMEN OUTPUT ²	EFFICACY	WATTS	PART NUMBER
4NA-3 4 ft. 3 bars	4,212	162	26	LL-URS-ECO-4NA-3-50K-26W
	4,830	161	30	LL-URS-ECO-4NA-3-50K-30W
	5,749	160	36	LL-URS-ECO-4NA-3-50K-36W
	6,956	158	44	LL-URS-ECO-4NA-3-50K-44W
	9,294	155	60	LL-URS-ECO-4NA-3-50K-60W
	10,045	140	72	LL-URS-ECO-4NA-3-50K-72W
	12,374	141	88	LL-URS-ECO-4NA-3-50K-88W
4NA-4 4 ft. 4 bars	5,886	164	36	LL-URS-ECO-4NA-4-50K-36W
	7,122	162	44	LL-URS-ECO-4NA-4-50K-44W
	9,483	158	60	LL-URS-ECO-4NA-4-50K-60W
	11,066	153	72	LL-URS-ECO-4NA-4-50K-72W
	13,464	153	88	LL-URS-ECO-4NA-4-50K-88W
	16,280	148	110	LL-URS-ECO-4NA-4-50K-110W
	19,140	145	132	LL-URS-ECO-4NA-4-50K-132W

Typical lumen output (±10%) at 120V (LV) under 25°C ambient temperature at 5000K.

Lumen Multipliers

Allows to calculate the actual lumen output for your application. Apply each multiplier to the lumens of the shaded table.

COLOR TEMP	
CCT	Multiplier
5000	1.000
4100	1.000
3500	0.980

Example: How to calculate the actual lumen output of the 13,464 model at 3500K.

- 1) Find the nominal lumens from the table above.
- 2) Apply all the corresponding multipliers.

$$\begin{array}{ccccccc}
 13,464 & \times & 0.980 & = & 13,195 \\
 \text{Nominal lumens} & & \text{CCT} & & \text{Actual lumens}
 \end{array}$$

ORDERING

SERIES MODEL	SIZE	# OF BARS	CCT	WATTAGE	
LL-URS-ECO	2NA	1	35K 3500K	12W	44W
				15W	60W
	4NA	2	41K 4100K	18W	72W
				22W	88W
		3	50K 5000K	26W	110W
				30W	132W
		4	Other CCT options available with extended lead time.	36W	

*Includes 25 URS-ECO bars per case.

ORDERING EXAMPLES

Standard: LL-URS-ECO-4NA-4-50K-36W

FEATURES & SPECIFICATIONS

CONSTRUCTION

- **Extruded Aluminum Heat Sinks:** The heat sink extrusion is made of 6063 T5 Aluminum with substantial fins & surface area for superior heat dissipation.
- **Patented Air Flow Cavity:** Patented Air Flow Cavity under LED PCB allows dissipated heat to leave the URS area.
- **LED Boards:** Interior PCB Board made of aluminum core and mechanically bonded to the aluminum extrusion heat sink.
- **Assembled in USA.**

ELECTRICAL

- **Power Input:** 120-277V.
- **Power Factor:** >0.9 (0.99 typical).
- **Total Harmonic Distortion:** <10%.

OPERATION

- **Environment:** Dry/Damp, for interior applications.
- **Ambient Range Operation:** -40°C up to 55°C (-40°F up to 130°F).

OPTICS

- **CCT:** 3500K, 4100K and 5000K standard, other CCT available (extended lead time).
- **CRI:** >80, other CRI available (extended lead time).
- **Lenses:** Integral Volumetric Diffuser eliminates glare, evenly distributes light and transmits 94% of generated lumens. Suitable for all of your lighting applications. The beam angle is 240° for a wide distribution of light. Glass-free.

MOUNTING

- **Installation Aid:** End cap design includes a rare earth magnet which may assist in the installation process.
- Option to remote-mount the LED driver, enabling multiple installation options.

CONTROLS³

- **Dimming:** 0-10V standard. Dim to OFF.
- **Networked Control Options:** Compatible with Avi-on networked controls and UltraLink SIG Bluetooth® with Mesh Networked Controls⁴.
- **Sensors:** Compatible with Wattstopper and McWong sensors, and Enocean switches.

WARRANTY

- **Standard:** 10-year product warranty on the light bar and driver.

LISTINGS & CERTIFICATIONS

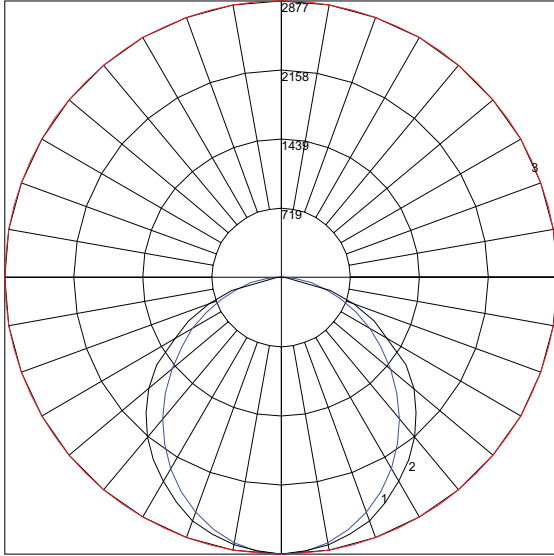
- U.S. Patent No. 10,054,296
- UL 1598
- RoHS compliant
- DesignLights™ Consortium Premium¹
- FCC CFR 47, Part 15
- cUL



LIGHT DISTRIBUTION

2NA MODEL

Polar Graph
LL-URS-ECO-2NA-4-35K-60W



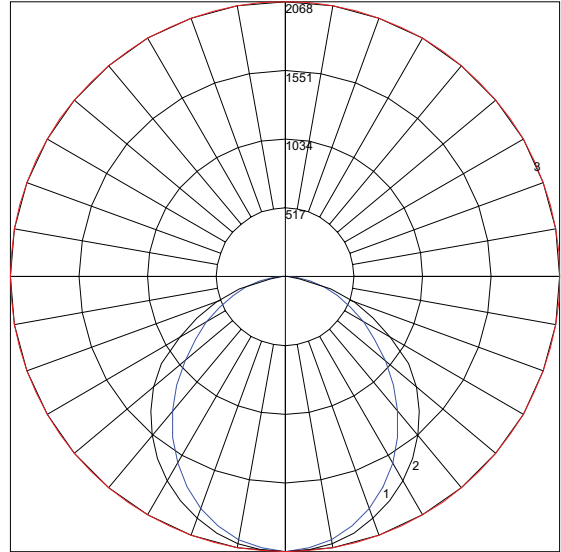
Maximum Candela: 2877

Located at horizontal angle: 0, Vertical angle : 0

- #1: Vertical plane through horizontal angles (0-180)(through max Cd.)
- #2: Vertical plane through horizontal angles (90-270)
- #3: Horizontal cone through vertical angle (0)(through max Cd.)

4NA MODEL

Polar Graph
LL-URS-ECO-4NA-4-35K-36W

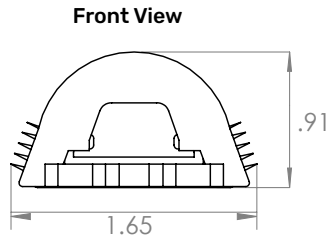


Maximum Candela: 2068

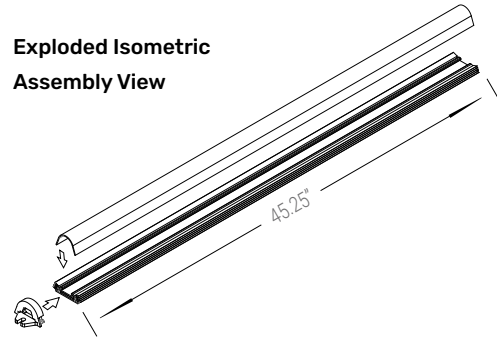
Located at horizontal angle: 0, Vertical angle : 0

- #1: Vertical plane through horizontal angles (0-180)(through max Cd.)
- #2: Vertical plane through horizontal angles (90-270)
- #3: Horizontal cone through vertical angle (0)(through max Cd.)

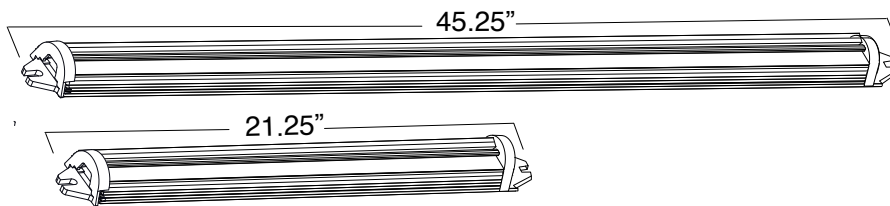
DIMENSIONS & DRAWINGS



Exploded Isometric Assembly View



Choices in Length



DIMENSIONS

Size	Length (in)	Width (in)	Height (in)	Weight (lb)
2NA	21.25	1.65	0.91	<1
4NA	45.25	1.65	0.91	<1

FOOTNOTES

1. Check QPL for up-to-date listings.
2. Estimated lumen output based on calculations.
3. Synapse, Daintree and Enlighted are available with extended lead time. Electrical changes and additional components required to make fixture compatible.
4. Requires Enoccean switch, McWong sensor or a gateway for complete functionality.
5. Extended lead time. Contact factory.

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