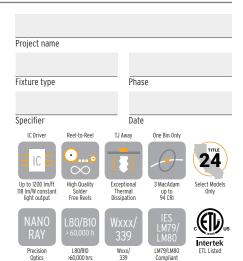
# ULTIMA-S Static White/Tunable White

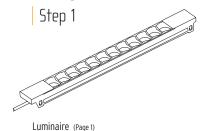




The stand-alone version presents ULTIMA in its most compact form as a system. Its cross section of .39"/10 mm x .51"/13 mm (H x W) makes it an ideal candidate for finesse integrations or confined spaces. ULTIMA embeds the second generation of the NanoRay technology offering 7 different lighting effects from spot to asymmetric with an outstanding control of glare (UGR <13) and color consistency. Its highest level of integration results in a luminaire sufficiently small to be easily integrated in any architectural structures and blend in seamlessly. Various cabling configurations and mounting possibilities enable full design freedom.



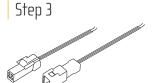
## Ordering Process



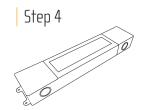




Mounting Accessory Details (Page 4) (Included with the Luminaire Order)



Cables and Connectors (Page 4) (Optional)



Drivers and Controllers (Page 5)

## Luminaire Order Code

Family	Туре	Mounting	Lumen Package	CCT/CRI	Standard length	Fonse Color	Optics	Cable/Connector	Ingress
ULTIMA-S				W					IP40
	NANO	CLO - Clips	6-150 lm/ft, 1.8W/ft	822-2200K, 80CRI	<b>290</b> –11 inches	BB- Black/Black	<b>15</b> – 15 Optics	DC- Female & Male (4")	
	OPAL	MAG - Magnetic	10-270 lm/ft, 3.1W/ft	<b>927</b> -2700K, 90CRI	<b>540</b> –21 inches	SW-Silver/White	<mark>25</mark> – 25 Optics	MO-Male one side (4")	
		AMC - Adjustable	15-440 lm/ft, 4.6W/ft	<b>930</b> -3000K, 90CRI	<b>790</b> –31 inches	BW-Black/White	<b>40</b> – 40 Optics	OO – Open cable one	
		FCC - Grid Ceiling	25-710 lm/ft, 7.6W/ft <sup>A</sup>	<b>935</b> -3500K, 90CRI	<b>1040</b> -41 inches	SB-Silver/Black	60–60 Optics	side (6')	
				<b>940</b> -4000K, 90CRI	<b>1290</b> –51 inches		BW- Batwing		
				<b>850</b> -5000K, 80CRI	<b>1540</b> –61 inches		AS- Asymmetrical <sup>0</sup>		
			20-550 lm/ft, 6.1W/ft <sup>8</sup>	IQW–Tunable White <sup>c</sup>			OL-Opal <sup>E</sup>		

A Not suitable for recessed mounting. B Not available with Opal and Asymmetrical Optics. BW and SB are not available for Opal type. The second letter indicates the endcap color.

<sup>&</sup>lt;sup>D</sup> Not available with Tunable White (IQW). <sup>E</sup> Only optic option for Opal type.

			6		10		15	15		20		25*	
		CCT	Lumen/ft	W/ft									
	W822	2,200 K	140	1.8	260	3.1	430	4.6	-	-	690	7.6	
je.	W927	2,700 K	150	1.8	260	3.1	430	4.6	-	-	710	7.6	
White	W930	3,000 K	150	1.8	270	3.1	440	4.6	-	-	710	7.6	
Static	W935	3,500 K	150	1.8	270	3.1	450	4.6	-	-	730	7.6	
8	W940	4,000 K	150	1.8	280	3.1	450	4.6	-	-	740	7.6	
	W850	5,000 K	210	1.8	340	3.1	530	4.6	-	-	840	7.6	
ع م	W822	2,200 K	-	-	-	-	-	-	280	6.1	-	-	
Tunable White	W850	5,000 K	-	-	-	-	-	-	340	6.1	-	-	
=-	Total	2,200 K - 5,000 K	-	-	-	-	-	-	620	6.1	-	-	

The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%. Lumen values are based on 25° optics with white louver. See page 2 for other light loss factors.

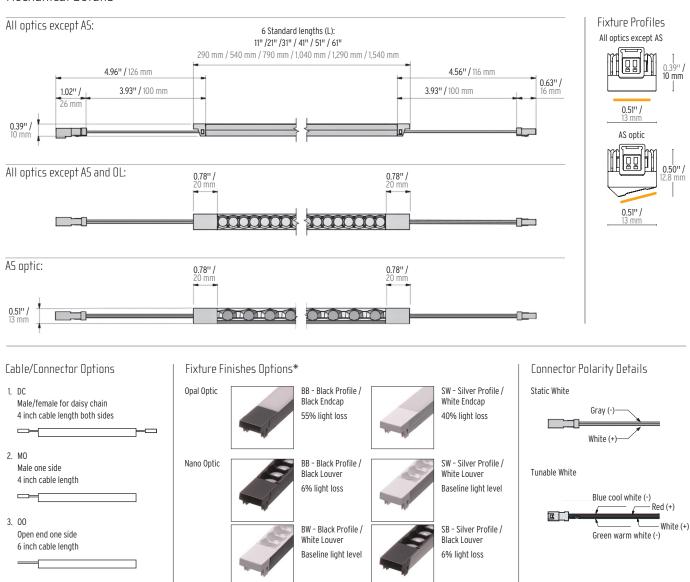
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<sup>\*</sup> Only for surface mounting - not suitable for recessed mounting.

# ULTIMA-5 Static White/Tunable White



### Mechanical Details



### Technical Details

		Tunable White			
	6 (1.8 W/ft)	10 (3.1 W/ft)	15 (4.6 W/ft)	25 (7.6 W/ft)	20 (6.1 W/ft)
Max efficacy (Im / W) <sup>B</sup> @ 5000 K	113	112	117	110	102
Max length (ft/m)	5/1.54	5/1.54	5/1.54	5/1.54	5/1.54
Max serial run length (ft / m)	24.6 / 7.5	16.4 / 5	16.4 / 5	9.8 / 3	9.8/3
CRI / R9 (up to) @ 3000 K	95 / 86	95 / 86	95 / 86	95 / 86	85 / 71
Case Temperature Tc-point (Tc <sub>min</sub> / Tc <sub>max</sub> ) <sup>A,B</sup>	-13°F / 176°F				
Ambient temperature (Ta <sub>min</sub> / Ta <sub>max</sub> )	-13°F / 122°F	-13°F / 122°F	-13°F / 104°F	-13°F / 104°F	-13°F / 104°F
Storage temperature (Ts <sub>min</sub> / Ts <sub>max</sub> )	-22°F / 185°F				
Voltage (23 V <sub>min</sub> , 25 V <sub>max</sub> )	24	24	24	24	24

<sup>^</sup>The position of the Tc-point is marked on each step of the LED strip. The Tc-point should be measured in thermal equilibrium according to IEC EN 60598-1.

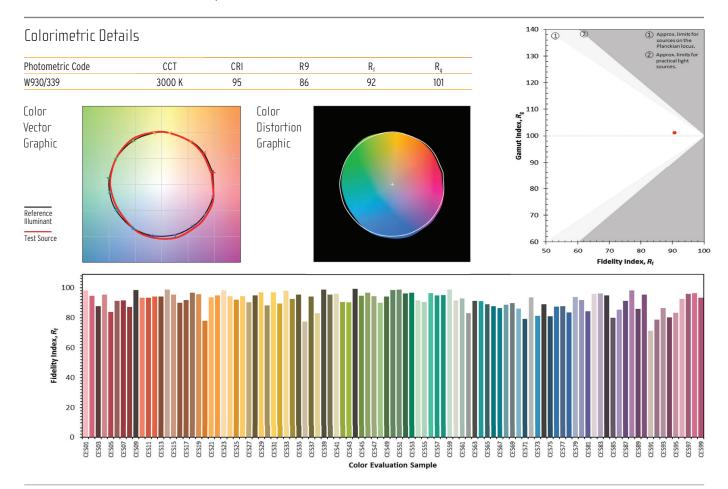
\* Refer to ies files for light levels of every variant.

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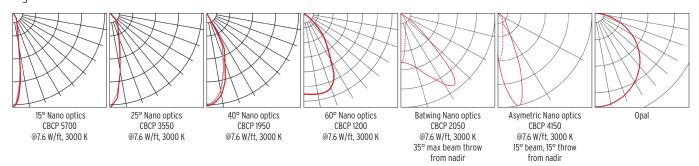
B The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

# **ULTIMA-S** Static White/Tunable White





## Light Distribution



### VOLTAGE DROP CHART – ULTIMA-S NANO

		Static White - AWG22									White
		1.8 V	V/ft	3.1 \	V/ft	4.6	W/ft	7.6	W/ft	6.1 \	V/ft
Product ru	un Length				max. ca	ble length betwee	n driver and the I	uminaire			
feet	m	feet	m	feet	m	feet	m	feet	m	feet	m
3.3	1	106.0	32.3	63.6	19.4	42.3	12.9	33.5	10.2	31.8	9.7
6.6	2	52.8	16.1	31.8	9.7	21.0	6.4	16.7	5.1	15.7	4.8
9.8	3	35.1	10.7	21.0	6.4	14.1	4.3	11.2	3.4	10.5	3.2
13.1	4	26.2	8	15.7	4.8	10.8	3.2	-	-	-	-
16.4	5	21.0	6.4	12.5	3.8	8.2	2.5	-	-	-	-
19.7	6	17.4	5.3	-	-	_	_	_	-	_	-
23.0	7	15.1	4.6	-	-	-	-	-	-	-	-

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\*Not suitable for 7.6 W/ft

# Mounting Accessory Details

_	Item	Description	Dime	nsions
	Adjustable Mounting Clip	Adjustable mounting clip for easy adjustment of the luminaire Black finish only  0° - 180° rotation span  2 pieces are included for lengths: 11", 21", 31"  3 pieces are included for lengths: 41", 51", 61"		0.98"/ 25 mm
	Grid Ceilig Clip	Grid ceiling clip for easy mounting along or across struts of the grid ceiling structure by simply rotating the clip 90° Suitabe for 15/16" Grid Systems 3 pieces are included for lengths: 11", 21", 31" 6 pieces are included for lengths: 41", 51", 61"		0.52"/13.2 mm
	Surface/Recessed Mounting Clip	Clips for surface or recessed mounting 3 pieces are included for lengths: 11", 21", 31" 6 pieces are included for lengths: 41", 51", 61" Black or white finish depending on profile color	0.52"/ 13.2 mm 0.5"/ 12.7 mm	RECESSED 0.6"/15 mm
	Magnetic Mounting - Steel Strip	Metal strip with adhesive tape on the backside for easy integration into furniture and almost any other surface 0.4" wide X 100' long *Order separately with magnetic (MAG) option Order no: 18100048 (one reel)	0.39"/10 mm 0.42"/ 10.65 mm	0.52"/13.2 mm  0.62"/10.6 mm

## Cables and Connectors

 Item	Description	Model	Dimensions	Order Code
Mini Female Connector IP67 for Static White	Use to run cable from the driver to the first fixture of the run or to the next fixture. Female mini connector on one side and open end cable on the other side.	Static White Static White	2 x 22 Awg, 8 in 2 x 22 Awg, 6.5 ft	15000141 15000142
Mini Extension IP67 for Static White	Use to extend the distance between connection points. Female connector on one side and male connector on the other side.	Static White Static White	2 x 22 Awg, 4 in 2 x 22 Awg, 6.5 ft	15000143 15000144
Mini Female Connector IP67 for Tunable White	Use to run cable from the driver to the first fixture of the run or to the next fixture. Female mini connector on one side and open end cable on the other side.	Tunable White Tunable White	4 x 23 Awg, 8 in 4 x 23 Awg, 6.5 ft	15000241 15000202
Mini Extension IP67 for Tunable White	Use to extend the distance between connection points. Female connector on one side and male connector on the other side.	Tunable White Tunable White	4 x 23 Awg, 4 in 4 x 23 Awg 6.5 ft	15000203 15000204

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### Drivers

Item Specifications Downloads • UL 8750 Listed Enclosure - With Built-In Junction Boxes · Universal Input Voltage 120V - 277V LED LINEAR" • IP65 - For Both Indoor and Outdoor Use • No Minimum Load Requirement Non-Dimmable • 24V Constant Voltage Output, Class 2 Drivers · Available in three wattages 30W, 60W and 96W Max. Dimensions: 12-1/8" x 2-3/8" x 1-3/8" • UL 8750 Listed Enclosure - With Built-In Junction Boxes • 0-10V Dimmable - Flicker Free Down to 1% LED LINEAR" • Universal Input Voltage 120V - 277V • IP65 - For Both Indoor and Outdoor Use 0-10V Dimmable · 24V Constant Voltage Output, Class 2, Class P Drivers · Available in three wattages 30W, 60W and 96W • Max. Dimensions: 12-1/8" x 2-3/8" x 1-3/8" • UL 8750 Listed Class 2 Enclosure • 24V constant voltage output LED LINEAR" • Compact size yet high efficiency and performance in dry and damp environments (IP67) • Multiple Inputs: 120V or 277V ELV/Triac Dimmable • Fully dimmable: ELV Dimmers - Reverse or Adaptive Phase Control, Trailing Edge Drivers · Available in two wattages 48W and 96W • Multiple Circuits are available up to 4 units (up to 384W) • Universal AC input / Full range (up to 305VAC) · Constant voltage PWM style output • Built-in 3 in 1 dimming function (0~10Vdc or PWM signal or resistance) • Dimming range : 0~100% **PWM Dimmable** · Class 2 power unit • Suitable for dry / damp / wet locations • UL Recognized component, 5 years warranty • UL Listed Enclosure • Dimming Range: 100% to 1% and 0.1% (Premiere) **\$LUTRON** • LED lighting turns on to any dimmed level without flashing to full brightness • Operating Voltage: 120V~ to 277V~ at 50/60 Hz Dimmable • Rated lifetime of 50,000 hours at 40°C (104°F) ambient temperature and maximum loading Drivers • For rated warranty, ambient temperature not to exceed 40°C (104°F) · Open-circuit protected output eldoLED · Available in linear or rectangular format • 100W, DMX/DALI interface for Static White, Tunable White and RGB/W Applications DALI/DMX Dimmable • 4 control channels Drivers • 24V constant voltage, 4 x 24V outputs · Metal or plastic case options Controllers

COIIIIOIICIS			
Item		Specifications	Downloads
	CHILDRING DM X		180/D SPEC SHEET
	Account services services	180/D DMX Controller for RGB/W and Tunable White Applications	210/D SPEC SHEET
		210/D Dali Contoller for Static White Applications	
eldoLED	That controler	211/D-LG 0-10V Logarithmic Dimming Controller	211/D-LG SPEC SHEET
Controllers	PARTIE DE COMPTE DE CONTROL DE CO	211/D-LN 0-10V Linear Dimming Controller	211/D-LN SPEC SHEET
		212/D DMX Controller for Static White and Static Color Applications	
		DimWheel DMX Wall Controller for RGB/W and Tunable White Applications	212/D SPEC SHEET
			DIM WHEEL SPEC SHEET

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PRODUCT BROCHURE

INSTALLATION

IES FILES

DRIVERS & CONTROLS

LED LINEAR TECHNOLOGY

**VOLTAGE DROP CALCULATOR** 

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