

KALYPSO IP67 Static White/Tunable White/RGB

LED LINEAR™
lighting solutions

Member of the
Fagermull Group



24V, IP67 protected and IK10 certified, linear surface-mounted LED luminaire with small form factor. Polyurethane encapsulation offering a premium water proof sealing, UV resistance, chemical stability and protection against abrasion. Extruded H-shaped aluminum body powder coated in white with cable runway on the back. Delivered with male/female mini IP67 connectors and translucent end caps for a perfect light continuity. Allows the use of 3 linear lenses (15°, 30° or 60°) integrated in the encapsulation material. Ideal solution for wall grazing (10°) or wide flood illumination (30° and 60°) with precise light control for outdoor or humid environments. Light source assembled using Reel to Reel (R2R) production process supporting LED Linear™ Tj Away® thin flexible circuit board technology. Outstanding lifetime of >60,000hrs L80/B10 (>30,000 hrs RGB). Embeds high quality Japanese LEDs with 3 step MacAdams (SDCM3) binning centered on target CCT (One Bin Only) with an extended photometric code of Wxxx/339 ensuring exceptional color consistency over the rated lifetime. Premium color rendition with CRI up to 95 and TM-30-15 up to R_a = 91 / R_g = 101. Consistent light intensity all along the luminaire length. Fully dimmable. Engineered and produced in Germany.

Project name

Fixture type

Specifier

Phase

Date

24

Select Models Only

ETL

Intertek ETL Listed

True Color

Minimal Color Shift

Integrated Circuit Driver

Up to 1330 lm/ft 120 lm/W Constant Light Output

Reel-to-Reel R2R Production

High Quality Solder Free Reels

Tj Away® Thermal Management

Exceptional Thermal Dissipation

One Bin Only

3 MacAdam up to 95 CRI

L/8 Lifetime

L80/B10 >60,000 hrs / RGB >30,000 hrs

6 Digit Photometric Code

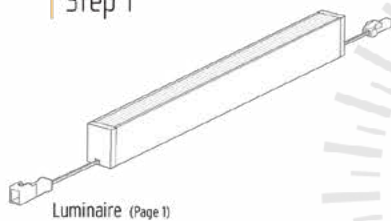
Wxxx/339

IES LM79/LM80

LM79/LM80 Compliant

Ordering Process

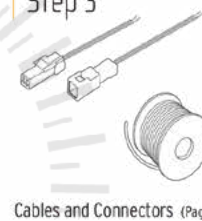
Step 1



Step 2



Step 3



Step 4



Luminaire Order Code

Family	Model	Lumen package ^a	Color rendering	Color temperature	Standard length ^c	Optic	Ingress
KALYPSO TC			W				IP67
	HYDRA - Static White	HD06-145 lm/ft	W8-85CRI	20-2000K	639-2 ft	10-10° Optic	
		HD10-240 lm/ft	W9-95CRI ^b	22-2200K	952-3 ft	30-30° Optic	
		HD15-480 lm/ft		25-2500K	1264-4 ft	60-60° Optic	
		HD25-775 lm/ft		27-2700K	1514-5 ft		
		HD36-1130 lm/ft			1827-6 ft		
	IQW ATON - Tunable White (2200K - 4000K)	HD12-210 lm/ft	-	-			
		HD24-440 lm/ft	-	-			
	RGB - 622nm (R) 532nm (G) 466nm (B)	HD20-210 lm/ft	-	-			

^a Lumen Values represent 3000K (W930) and with 60° optic.

^b Only available with HD06 and HD10 lumen packages with 2700K, 3000K, 3500K and 4000K.

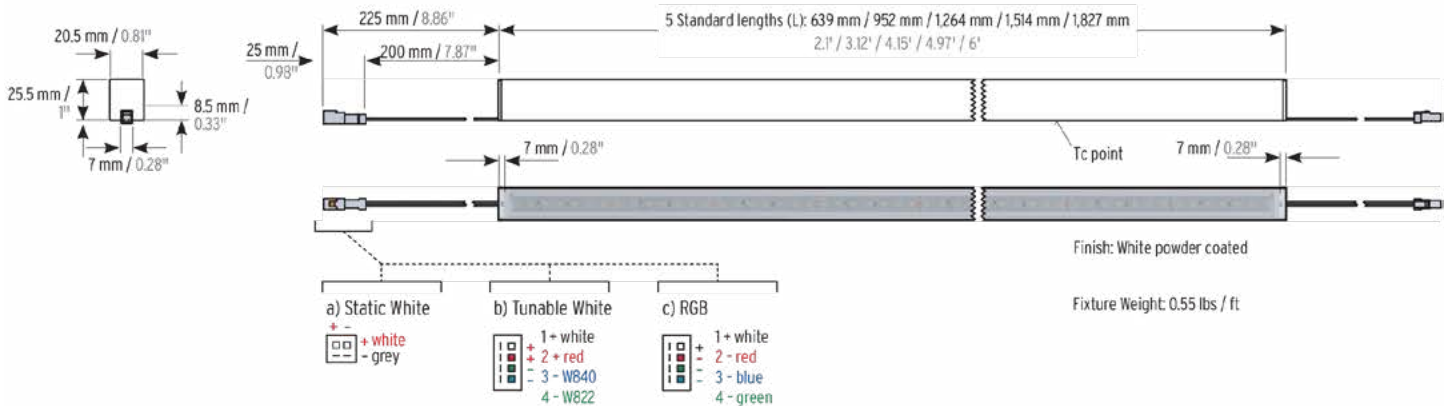
^c Values represent nominal lengths. For exact lengths see page 4.

			HD6		HD10		HD15		HD25		HD36		
			Color temperature ^a	Lumen/ft	W/ft ^b	Lumen/ft	W/ft ^b	Lumen/ft	W/ft ^b	Lumen/ft	W/ft ^b	Lumen/ft	W/ft ^b
Static White		W820	2,000 K	120	1.5	200	3.0	325	4.6	530	7.6	770	11
		W822	2,200 K	140	1.5	230	3.0	370	4.6	600	7.6	880	11
		W825	2,500 K	160	1.5	265	3.0	425	4.6	690	7.6	1000	11
		W827 / W927	2,700 K	140	1.5	235	3.0	450	4.6	730	7.6	1070	11
		W830 / W930	3,000 K	145	1.5	240	3.0	480	4.6	775	7.6	1130	11
		W835 / W935	3,500 K	150	1.5	250	3.0	500	4.6	815	7.6	1190	11
		W840 / W940	4,000 K	150	1.5	255	3.0	515	4.6	830	7.6	1215	11
		W850	5,000 K	210	1.5	350	3.0	560	4.6	910	7.6	1330	11

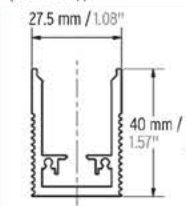
^a CCT Tolerances occur in IP67 products due to the encapsulation of the fixture.

^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%.

Mechanical Details



Inground Channel* (Accessory)



* Suitable up to 5W/ft (HD15)

Mounting

Easy and clean installation due to internal mounting clips. ADONIS / KALYPSO housing also acts as cable raceway. Therefore you do not see any clips or cables from the outside.



Technical Details

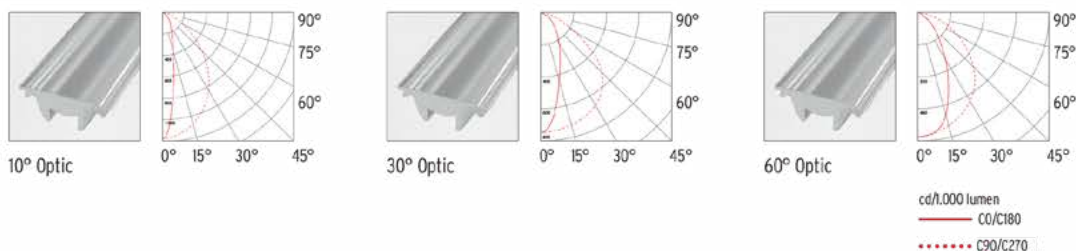
	Static White	Tunable White	RGB
Voltage	24 Volt (23 V _{min} , 25 V _{max})	24 Volt (23 V _{min} , 25 V _{max})	24 Volt (23 V _{min} , 25 V _{max})
Case temperature ^a	T _{Cmin} = -13°F, T _{Cmax} = specific, see Table below	T _{Cmin} = -13°F, T _{Cmax} = 158°F	T _{Cmin} = -13°F, T _{Cmax} = 158°F
Storage temperature	T _{Smin} = -22°F, T _{Smax} = 185°F	T _{Smin} = -22°F, T _{Smax} = 185°F	T _{Smin} = -22°F, T _{Smax} = 185°F
Ambient temperature	T _{Amin} = -13°F, T _{Amax} = specific, see Table below	T _{Amin} = -13°F, T _{Amax} = specific, see Table below	T _{Amin} = -13°F, T _{Amax} = specific, see Table below

^a 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.

	Static White					Tunable White		RGB
	HD6	HD10	HD15	HD25	HD36	HD12	HD24	HD20
Power (W/ft) ^a	1.8	3.0	4.6	7.6	11	3.7	7.3	6.7
Efficacy (lm / W) ^a @ W850	115	115	120	120	120	58	60	35
CRI / R9 @ 3000 K	95 / 80	95 / 80	85 / 30	85 / 30	85 / 30	85 / 20	85 / 20	-
Max serial run length (ft / m)	16.4 / 5	16.4 / 5	13.1 / 4	9.8 / 3	6.6 / 2	16.4 / 5	13.1 / 4	13.1 / 4
Case temperature Tc-point (T _{Cmax}) ^a	158°F	158°F	158°F	167°F	185°F	158°F	158°F	158°F
Max ambient temperature (T _{Amax})	122°F	122°F	122°F	113°F	95°F	122°F	104°F	113°F

^a 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%.

Light Distribution



KALYPSO IP67 Static White/Tunable White/RGB

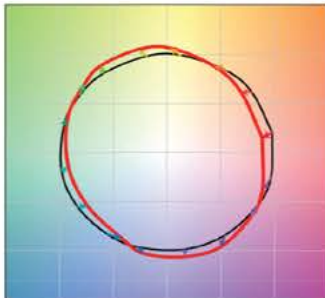
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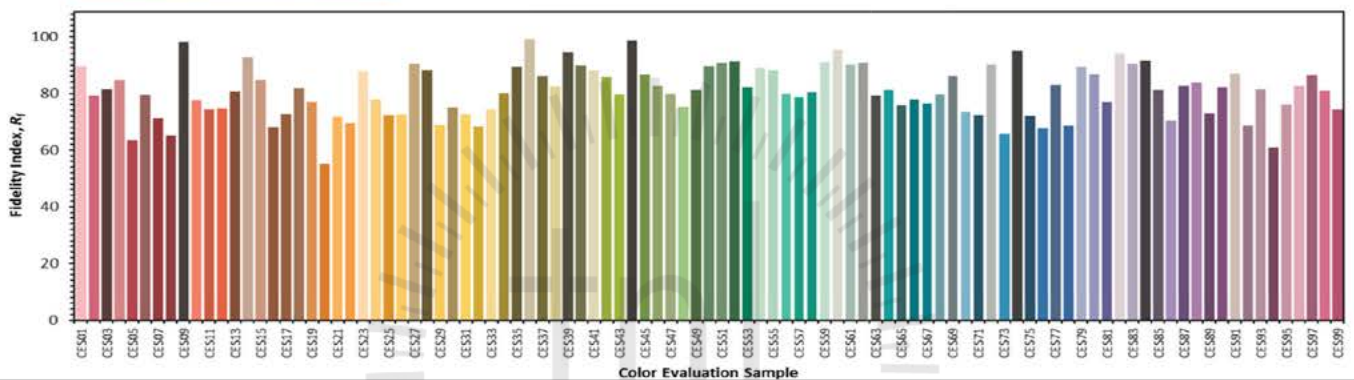
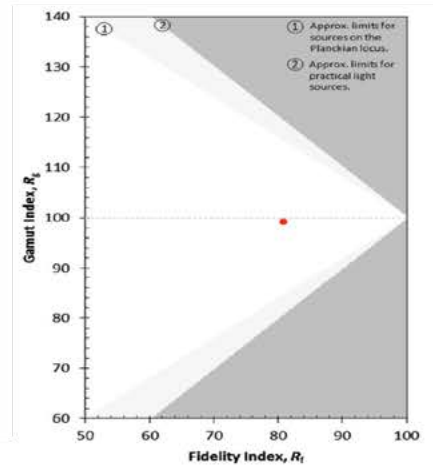
Colorimetric Details

Photometric Code	CCT	CRI	R9	R _f	R _g
W830/339	3000 K	85	23	82	99

Color
Vector
Graphic



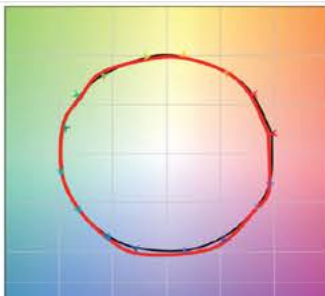
Color
Distortion
Graphic



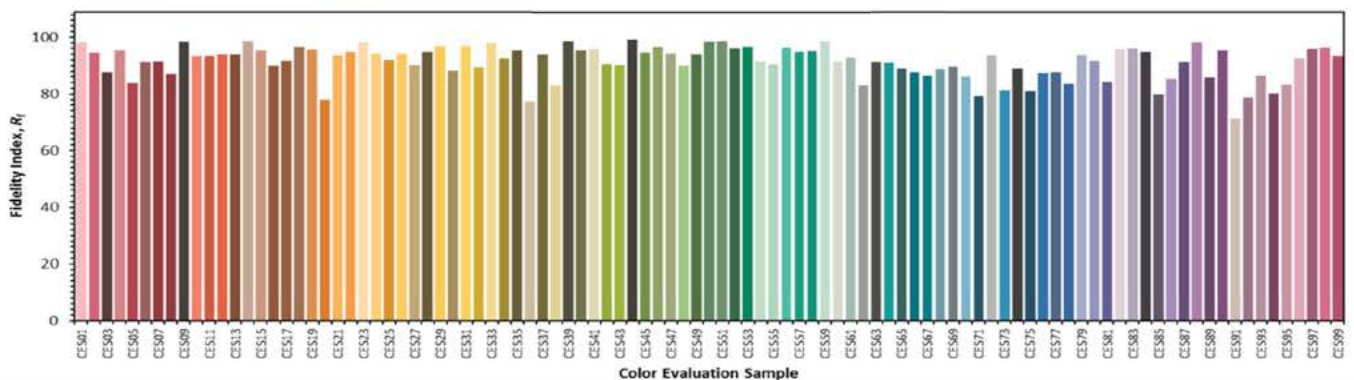
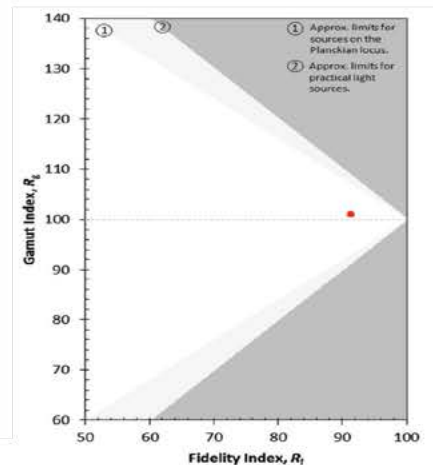
Colorimetric Details

Photometric Code	CCT	CRI	R9	R _f	R _g
W930/339	3000 K	96	70	91	101

Color
Vector
Graphic



Color
Distortion
Graphic



LENGTH CHART - Kalypso IP67

Fixture length		Static White										Tunable White				RGB	
		HD6 1.8 Watts/Ft		HD10 3.0 Watts/Ft		HD15 4.6 Watts/Ft		HD25 7.6 Watts/Ft		HD36 11 Watts/Ft		HD12 3.7 Watts/Ft		HD24 7.3 Watts/Ft		HD20 6 Watts/Ft	
inches	mm	Watts/fixture	Lumens/fixture @3000K	Watts/fixture	Lumens/fixture @3000K	Watts/fixture	Lumens/fixture @3000K	Watts/fixture	Lumens/fixture @3000K	Watts/fixture	Lumens/fixture @3000K	Watts/fixture	Lumens/fixture	Watts/fixture	Lumens/fixture	Watts/fixture	Lumens/fixture
25.2	639	4	304	6	503	10	1006	16	1624	23	2368	8	440	15	922	13	440
37.5	952	6	453	9	749	14	1499	24	2420	34	3528	12	656	23	1374	19	656
49.8	1264	7	601	12	995	19	1990	32	3213	46	4685	15	871	30	1824	25	871
59.6	1514	9	720	15	1192	23	2384	38	3849	55	5611	18	1043	36	2185	30	1043
71.9	1827	11	869	18	1438	28	2876	46	4644	66	6772	22	1258	44	2637	36	1258

Mounting Accessories

Item	Description	Dimensions (L x W x H)	Order Code
	Adonis/Kalypso IP67 Surface Mounting Clip Stainless steel surface mounting clip with washer. Clips inside the the fixture profile for invisible look. Recommended to use every 2 feet.	1" x 3/4" x 3/8"	13000202
	Adonis/Kalypso IP67 Vertical Surface Mounting Block Metal mounting block with set screw for vertical applications. Install inside the the fixture profile to stop the fixture from sliding. Recommended to use every 2 feet together with a surface mounting bracket.	1" x 1/2" x 1/4"	13000287
	Adonis/Kalypso IP67 Adjustable Mounting Clip Aluminum adjustable surface mounting bracket. Tilts 60° in each direction with spring loaded mechanism. Recommended to use every 2 feet. Silver finish.	5-1/2" x 1" x 1-1/2"	13000265
	Adonis/Kalypso IP67 Wallmount Arm Kit Metal surface mounting adjustable wall arm. The set includes mounting block, mounting clip and adjusting screws. Tilts 140° in each direction and screw locks in position. Recommended to use for every 3 feet. Silver finish.	4-3/4" x 2-3/4" x 1"	13000165
	Adonis/Kalypso IP67 Inground Mounting Kit Aluminum mounting channel with styrofoam dummy for inground installations. Use for indoor and protected outdoor environments. 6.5 feet long. Suitable up to 5W/ft (HD15).	6' 6" x 1" x 1.5"	10000576 RAL9003-FS
	Adonis/Kalypso IP67 Inground Channel Mounting Clip Stainless steel mounting clip with mounting block and set screw. Required to install the fixture inside the inground channel. Recommended to use every 2 feet.	1" x 3/4" x 3/8"	13000288
	Adonis/Kalypso IP67 Inground Channel End Cap Metal endcaps with screws and rubber gasket. Required to cover the ends of the inground channel before installation. Available with or without drainage outlet.	Without Drainage With Drainage	11000231 11000232
	Adonis/Kalypso IP67 Disassembly Tool Use to take the fixture out of the inground mounting frame.	-	13100032

Cables and Connectors

Item	Description	Model	Dimensions	Order Code	
	Cable IP68 for Static White	Outdoor rated UL approved cable. Use to extend installation distance with outdoor rated splicing box (by others).	Static White	2 x 22 AWG, 160 ft	14000030
	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 Male Connector IP67 for Static White	Use to run cable from the fixture to the driver or to the previous fixture. Male mini connector on one side and open end cable on the other side.	Static White	2 x 22 Awg, 8 in	15000140
	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 Protection Cap IP67 for Static White	Use to seal unused connectors and maintain IP67 ingress protection.	Static White	—	15000218
	Cable IP68 for RGB and Tunable White	Outdoor rated UL approved cable. Use to extend installation distance with outdoor rated splicing box (by others).	RGB/Tunable White RGB/Tunable White	4 x 23 Awg, 160 ft 4 x 18 Awg, 160 ft	14000048 14000060
	Mini Female Connector IP67 for RGB and 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.	RGB Tunable White RGB/Tunable White	4 x 23 Awg, 8 in 4 x 23 Awg, 8 in 4 x 23 Awg, 6.5 ft	15000201 15000241 15000202
	Mini Male Connector IP67 for RGB and Tunable White	Use to run cable from the fixture to the driver or to the previous fixture. Male mini connector on one side and open end cable on the other side.	RGB Tunable White	4 x 23 Awg, 8 in 4 x 23 Awg, 8 in	15000200 15000240
	Mini Extension IP67 for RGB and Tunable 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	4 x 23 Awg, 4 in 4 x 23 Awg, 6.5 ft	15000203 15000204
	Mini Female Protection Cap IP67 for RGB and Tunable White	Use to seal unused connectors and maintain IP67 ingress protection.	RGB/Tunable White	—	15000219

Drivers

Item	Specifications	Downloads
LED LINEAR™ Non-Dimmable Drivers 	• UL 8750 Listed Enclosure - With Built-In Junction Boxes • Universal Input Voltage 120V - 277V • IP65 - For Both Indoor and Outdoor Use • No Minimum Load Requirement • 24V Constant Voltage Output, Class 2 • Available in three wattages 30W, 60W and 96W • Max. Dimensions: 12-1/8" x 2-3/8" x 1-3/8"	30 W SPEC SHEET 60 W SPEC SHEET 96 W SPEC SHEET INSTALLATION INSTRUCTIONS
LED LINEAR™ 0-10V Dimmable Drivers 	• UL 8750 Listed Enclosure - With Built-In Junction Boxes • 0-10V Dimmable - Flicker Free Down to 1% • Universal Input Voltage 120V - 277V • IP65 - For Both Indoor and Outdoor Use • 24V Constant Voltage Output, Class 2, Class P • Available in three wattages 30W, 60W and 96W • Max. Dimensions: 12-1/8" x 2-3/8" x 1-3/8"	30 W SPEC SHEET 60 W SPEC SHEET 96 W SPEC SHEET INSTALLATION INSTRUCTIONS
LED LINEAR™ ELV/Triac Dimmable Drivers 	• UL 8750 Listed Class 2 Enclosure • 24V constant voltage output • Compact size yet high efficiency and performance in dry and damp environments (IP67) • Multiple Inputs: 120V or 277V • Fully dimmable: ELV Dimmers - Reverse or Adaptive Phase Control, Trailing Edge • Available in two wattages 48W and 96W • Multiple Circuits are available up to 4 units (up to 384W)	48 W SPEC SHEET 96 W SPEC SHEET INSTALLATION INSTRUCTIONS
 PWM Dimmable Drivers 	• 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% • Class 2 power unit • Suitable for dry / damp / wet locations • UL Recognized component, 5 years warranty	40 W SPEC SHEET 60 W SPEC SHEET 90 W SPEC SHEET INSTALLATION INSTRUCTIONS
 Dimmable Drivers 	• UL Listed Enclosure • Dimming Range: 100% to 1% and 0.1% (Premiere) • LED lighting turns on to any dimmed level without flashing to full brightness • Operating Voltage: 120V~ to 277V~ at 50/60 Hz • Rated lifetime of 50,000 hours at 40°C (104°F) ambient temperature and maximum loading • For rated warranty, ambient temperature not to exceed 40°C (104°F) • Open-circuit protected output	HI-LUME SPEC SHEET HI-LUME PREMIERE SPEC SHEET INSTALLATION INSTRUCTIONS
eldoLED DALI/DMX Dimmable Drivers 	• Available in linear or rectangular format • 100W, DMX/DALI interface for Static White, Tunable White and RGB/W Applications • 4 control channels • 24V constant voltage, 4 x 24V outputs • Metal or plastic case options	100 W SPEC SHEET INSTALLATION INSTRUCTIONS

Controllers

Item	Specifications	Downloads
	180/D DMX Controller for RGB/W and Tunable White Applications 210/D Dali Controller for Static White Applications 211/D-LG 0-10V Logarithmic Dimming Controller 211/D-LN 0-10V Linear Dimming Controller 212/D DMX Controller for Static White and Static Color Applications DimWheel DMX Wall Controller for RGB/W and Tunable White Applications	180/D SPEC SHEET 210/D SPEC SHEET 211/D-LG SPEC SHEET 211/D-LN SPEC SHEET 212/D SPEC SHEET DIM WHEEL SPEC SHEET
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DRIVERS & CONTROLS

LED LINEAR TECHNOLOGY

VOLTAGE DROP CALCULATOR