

AGILIGHT® | TRIDONIC
Light It Up signage

**SPRING
2018**

PRODUCT CATALOG



INNOVATIVE LED LIGHTING FOR SIGNAGE



OUR COST-EFFECTIVE LED SYSTEM SOLUTIONS AMOUNT TO SAVINGS FOR SIGN MAKERS AND END-USERS.

Founded in 2003, AgiLight, Inc. is a global leader in the LED signage lighting industry and the preferred partner of sign companies and global brands. We bring value to our customers by enhancing and maintaining their brand image through the benefits of our LED solutions. Our broad product portfolio offers the desired lighting solutions to all sign applications. Our cost-effective LED system solutions amount to savings for sign makers and end-users, and the quality and reliability of our products ensure a low maintenance cost throughout the signs' lifetime.

INNOVATIVE TECHNOLOGY

AgiLight's innovations provide an unparalleled value proposition to signage illumination. Our cutting-edge VersaLenz®, ONEwhite®, and Capzul® technologies are paramount innovations that propelled AgiLight to an industry leading position. We are known for bringing technically advanced and easy to use products to the market. Our LED systems significantly reduce the number of modules and power supplies per sign, providing energy and labor cost savings for sign makers and end-users alike.

PRODUCT QUALITY

We are committed to producing the highest quality LED products in the industry. As a market leader, we maintain an in-house engineering staff which sets us apart from our competitors. We design a high quality product and stand by the reliability of our products because we control each step of the production from start to finish. The products are rigorously tested and qualified under outdoor weather conditions. AgiLight was also one of the first LED signage manufacturers to adopt the Solid State Lighting Quality and Reliability Technical Standards, such as LM79 and LM80, using accelerated testing protocols on all LED modules for 6000 hours to ensure their long term reliability in outdoor environment. Our products are certified with UL, CSA, CE, ENEC, RCM, CCC, and are RoHS compliant.

CUSTOMER SERVICE

Our team of experts in LED signage lighting work directly with our customers to achieve the desired sign illumination with the lowest total cost of ownership. Responsiveness is our strength. From understanding the needs with specific configurations and face materials of the signs, to selecting the most suitable LED modules to use, AgiLight works step-by-step with our customers to optimize the lighting solution for their brand images. We have an international team of experts around the world, and a top-flight distribution network ready to respond.

Spring 2018 Product Catalog

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ULTRA SERIES LED Modules

The New *All In One Series* For Back and Edge Lit, Shallow To Deep Applications



The new SignRayz® ULTRA Series' compact designs and innovative optics provide better coverage and uniformity with fewer LED modules, less labor, and lower cost per sign. The ULTRA Series is designed to harmonize our products and facilitate our customers' experience one order at a time!

ULTRA 400 SERIES

ULTRA 400 Series — This new comprehensive option for backlit applications is available in three lumen outputs and for super low-profiles at 1.57" (40 mm) to the standard 5" (125 mm) depth range. The ULTRA 400 offers options for shallow to medium depth box signs, and narrow to wide channel letters.

Its new batwing optic uniformly distributes light, increasing the coverage area with fewer LED modules while lowering the cost per sign.



ULTRA 400

ULTRA 600 SERIES

ULTRA 600 Series — With its slim and compact shape, the ULTRA 600 Series is designed for brighter and deeper signs. It features an innovative optic that expands its coverage across the sign demanding fewer modules per sign than the original product range.



ULTRA 600

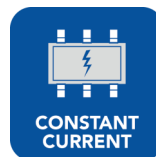
ULTRA EDGE

ULTRA EDGE — Designed to illuminate shallow, single and double-sided edge-lit cabinet signs, the ULTRA EDGE new and unique lens provides a wider and more uniform coverage, decreasing the number of modules per sign.

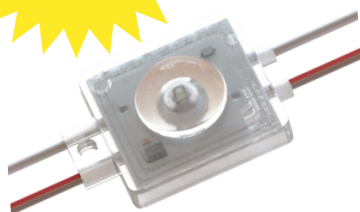
The ULTRA EDGE is easier to mount and is driven by a 12V DC power supply system allowing for a larger range of loading increments (15 W, 35 W, 60 W and 180 W).



ULTRA EDGE



**NEW
Product!**

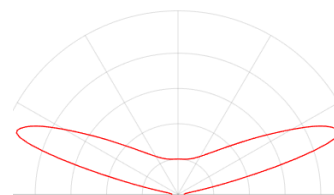


SIGNRAYZ® ULTRA 400 Series

APPLICATIONS

- Wide stroke channel letters
- Shallow to medium box signs
- Small to medium cloud signs
- Applications starting at 1.57" | 40 mm depth or higher

400 SERIES BATWING PATTERN



Module	Dimensions (L x W x H)		Module Spacing		Number of Modules	
ULTRA 430	1.52" x 1.03" x 0.42"	38.5 x 26.2 x 10.6 mm	4.0"	100 mm	3 per foot	10 per meter
ULTRA 450 & 470	1.52" x 1.03" x 0.42"	38.5 x 26.2 x 10.6 mm	6.0"	150 mm	2 per foot	6.6 per meter

ORDERING INFORMATION

ULTRA 430

Wattage	Current	60W PS Load		
0.30 W	0.025 A	184 Modules		
Part Number	Colour Temp	Nominal Light Output (lumen)		
		Per Module	Per Foot	Per Meter
LS-U430-75K-B100-A**	7500K	Coming soon!		
LS-U430-65K-B100-A	6500K	34	102	340
LS-U430-57K-B100-A	5700K	32	96	320
LS-U430-50K-B100-A	5000K	32	96	320
LS-U430-40K-B100-A	4000K	32	96	320
LS-U430-30K-B100-A	3000K	30	90	300
LS-U430-27K-B100-A	2700K	30	90	300

ULTRA 450

Wattage	Current	60W PS Load		
0.48 W	0.040 A	115 Modules		
Part Number	Colour Temp	Nominal Light Output (lumen)		
		Per Module	Per Foot	Per Meter
LS-U450-75K-B150-A**	7500K	Coming soon!		
LS-U450-65K-B150-A	6500K	50	100	330
LS-U450-57K-B150-A	5700K	47	94	310
LS-U450-50K-B150-A	5000K	47	94	310
LS-U450-40K-B150-A	4000K	47	94	310
LS-U450-30K-B150-A	3000K	44	88	290
LS-U450-27K-B150-A	2700K	44	88	290

ULTRA 470

Wattage	Current	60W PS Load		
0.66 W	0.055 A	83 Modules		
Part Number	Colour Temp	Nominal Light Output (lumen)		
		Per Module	Per Foot	Per Meter
LS-U470-75K-B150-A**	7500K	Coming Soon!		
LS-U470-65K-B150-A	6500K	70	140	462
LS-U470-57K-B150-A	5700K	67	134	442
LS-U470-50K-B150-A	5000K	67	134	442
LS-U470-40K-B150-A	4000K	67	134	442
LS-U470-30K-B150-A	3000K	63	126	416
LS-U470-27K-B150-A	2700K	63	126	416

POPULATION DENSITY GUIDE* (inch/mm)

ULTRA 430

Channel Depth		Single Stroke		Multiple Row Spacing	
1.57	40	5	125	3.5	90
2	50	6	150	4.5	115

ULTRA 450

2	50	6	150	4.5	115
3	75	9	225	8	200

ULTRA 470

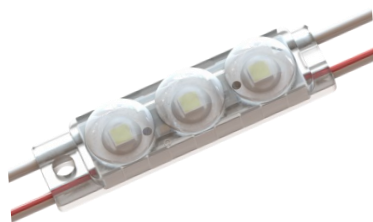
3	75	9	225	8	200
4	100	13	330	11.5	290

* Module spacing is defined to achieve a minimum of 600 lux for a single row or 800 lux for multiple rows at sign face (7328 white acrylic). Face material is 3/16" (4.50 mm) thick. Please refer to the spec sheet for module spacing.

** Please contact a sales representative for more information on the launch date.
Product specifications subject to change without notice.

**NEW
Product!**

Launching May 2018

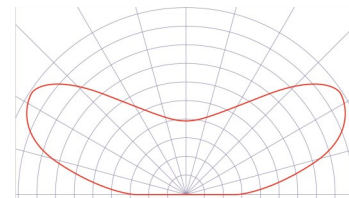


SIGNRAYZ® ULTRA 600 Series

APPLICATIONS

- Channel letters
- Box signs
- Cove lighting
- Applications starting at 4" | 100 mm depth or higher

600 SERIES BATWING PATTERN



Module	Dimensions (L x W x H)		Module Spacing		Number of Modules	
ULTRA 650	1.89" x 0.47" x 0.35 "	48 x 12 x 8.8 mm	8.0"	200 mm	1.5 per foot	5 per meter
ULTRA 670	1.89" x 0.47" x 0.35 "	48 x 12 x 8.8 mm	10.0"	250 mm	1.2 per foot	4 per meter

ORDERING INFORMATION

ULTRA 650

Wattage	Current	60W PS Load		
0.78 W	0.065 A	70		
Part Number	Colour Temp	Nominal Light Output (lumen)		
		Per Module	Per Foot	Per Meter
LS-U650-75K-B200-A	7500K	100	150	500
LS-U650-65K-B200-A	6500K	100	150	500
LS-U650-57K-B200-A	5700K	100	150	500
LS-U650-50K-B200-A	5000K	100	150	500
LS-U650-45K-B200-A	4500K	92	138	460
LS-U650-40K-B200-A	4000K	92	138	460
LS-U650-30K-B200-A	3000K	85	128	425
LS-U650-27K-B200-A	2700K	85	128	425

ULTRA 670

Wattage	Current	60W PS Load		
1.24 W	0.103 A	44		
Part Number	Colour Temp	Nominal Light Output (lumen)		
		Per Module	Per Foot	Per Meter
LS-U670-75K-B250-A	7500K	150	180	600
LS-U670-65K-B250-A	6500K	150	180	600
LS-U670-57K-B250-A	5700K	150	180	600
LS-U670-50K-B250-A	5000K	150	180	600
LS-U670-45K-B250-A	4500K	138	166	536
LS-U670-40K-B250-A	4000K	138	166	536
LS-U670-30K-B250-A	3000K	127	152	508
LS-U670-27K-B250-A	2700K	127	152	508

POPULATION DENSITY GUIDE* (inch/mm)

ULTRA 650

Channel Depth		Single Stroke		Multiple Row Spacing	
3	75	10	250	6.5	165
4	100	13	330	9	225
5	125	17	430	13	330
6	150	17	430	16	405
7	175	15	380	15	380

ULTRA 670

Channel Depth		Single Stroke		Multiple Row Spacing	
4	100	13	330	9	225
5	125	17	430	13	330
6	150	20	505	16	405
7	175	19	480	18	455
8	200	17	430	17	430

* Module spacing is defined to achieve a minimum of 600 lux for a single row or 800 lux for multiple rows at sign face (7328 white acrylic). Face material is 3/16" (4.50 mm) thick. Please refer to the spec sheet for module spacing.

Product specifications subject to change without notice.

**NEW
Product!**

Launching June 2018



SIGNRAYZ® ULTRA EDGE

APPLICATIONS

- Stand alone marketing displays
- Single-sided wall signs
- Double faced cabinets
- ADA illuminated posters
- Illuminated posters
- Depth range 2.4" to 5" | 60 mm to 125 mm

Module	Dimensions (L x W x H)		Module Spacing		Number of Modules	
ULTRA EDGE	3.24" x 1.07" x 0.61"	82.4 x 27.3 x 15.4 mm	6.6"	170 mm	2 per foot	6 per meter

ORDERING INFORMATION

ULTRA EDGE

Wattage	Current	60W PS Load		
2.0 W	0.17 A	26 Modules		
Part Number	Colour Temp	Nominal Light Output (lumens)		
		Per Module	Per Foot	Per Meter
LS-UEDGE-65K-E170-A	6500K	170	340	1020
LS-UEDGE-50K-E170-A	5000K	160	320	960
LS-UEDGE-30K-E170-A	3000K	150	300	900

POPULATION DENSITY GUIDE*

(inch/mm)

Channel Depth	Single Stroke	Multiple Row Spacing	

* Module spacing is defined to achieve a minimum of 600 lux for a single row or 800 lux for multiple rows at sign face (7328 white acrylic). Face material is 3/16" (4.50 mm) thick. Please refer to the spec sheet for module spacing. Product specifications subject to change without notice.

TALEXXchain P-Series

Fewer Modules and Fewer Converters, Same Brightness

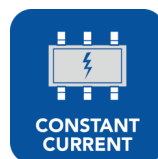


TALEXXchain P-Series LED chains for highlighting lines and edges, and for backlighting complex contours, letters and symbols in signage applications

P541, P551 & P561 – The next generation of P541, P551 and P561 modules, each equipped with three light points with individual lenses, provide extremely uniform illumination for signage applications. Thanks to the higher luminous flux and increased efficiency, fewer modules and fewer converters are needed for the same brightness. The small P541 and P551 modules with 155° wide-angle light points produce their optimum effect at a mounting depth of only 4 cm.

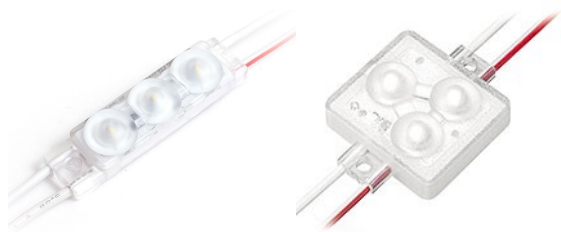


P541 COLORS – with its small footprint, PRO COLOR modules are suitable for small and narrow letters and shallow to medium depth box signs.



TALEXchain

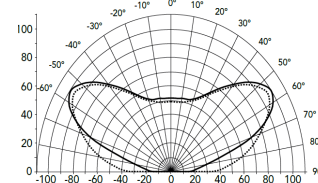
P-Series



APPLICATIONS

- Channel letters
- Small channel letters
- Standard to slim light boxes
- Light contour

155° BEAM PATTERN



Module	Dimensions (L x W x H)		Module Spacing		Number of Modules	
CRYSTAL SELECT P561	1.63" x 1.27" x 0.40"	41.5 x 32.3 x 10.2 mm	12"	300 mm	1 per foot	3.3 per meter
CRYSTAL SELECT P551	1.89" x 0.47" x 0.32"	48.0 x 12.0 x 9.5 mm	8"	200 mm	1.5 per foot	5 per meter

ORDERING INFORMATION

CRYSTAL SELECT P561

Wattage	Current	60W PS Load		
1.48 W	0.123 A	35 Modules		
Part Number	Colour Temp	Nominal Light Output (lumen)		
		Per Module	Per Foot	Per Meter
28000958**	6500K	154	188	616
28000959	6500K	154	154	513
28000960	4000K	142	144	480
28000957	3000K	130	132	433

CRYSTAL SELECT P551

Wattage	Current	60W PS Load		
0.70 W	0.058 A	74 Modules		
Part Number	Colour Temp	Nominal Light Output (lumen)		
		Per Module	Per Foot	Per Meter
28000717	7500K	60	91	300
28000365 ***	6500K	60	122	400
28000366	6500K	60	91	300
28000432	4000K	66	101	330
28000433	3000K	66	101	330

POPULATION DENSITY GUIDE* (inch/mm)

P561

Channel Depth		Single Stroke		Multiple Row Spacing	
6	150	14	350	12	300
7	175	14	350	14	350
8	200	13	325	13	325
9	225	12	300	12	300
10	250	11	275	11	275
11	275	10	250	10	250
12	300	9	225	9	225

P551

Channel Depth		Single Stroke		Multiple Row Spacing	
4	100	10	250	8	200
5	125	10	250	10	250
6	150	9	225	10	250
7	175	8	200	9	225
8	200	7	175	8	200

* Module spacing is defined to achieve a minimum of 600 lux for a single row or 800 lux for multiple rows at sign face (7328 white acrylic). Face material is 3/16" (4.50 mm) thick.

** Module spacing is 250 mm, please refer to specification sheet for more information.

*** Module spacing is 150 mm, please refer to specification sheet for more information.

TALEXchain

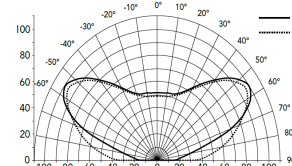
P-Series



APPLICATIONS

- Channel letters
- Small channel letters
- Standard to slim light boxes
- Light contour

155° BEAM PATTERN



Module	Dimensions (L x W x H)		Module Spacing		Number of Modules	
CRYSTAL SELECT P541	1.89" x 0.47" x 0.32"	48.0 x 12.0 x 9.5 mm	6"	150	2 per foot	6.5 per meter
CRYSTAL CLASSIC P531	1.89" x 0.47" x 0.32"	48.0 x 12.0 x 9.5 mm	6"	150	2 per foot	6.5 per meter

ORDERING INFORMATION

CRYSTAL SELECT P541

Wattage	Current	60W PS Load		
0.34 W—0.65 W	0.028 A— 0.054 A	153—80		
Part Number	Colour Temp	Nominal Light Output (lumen)		
		Per Module	Per Foot	Per Meter
28000715	7500K	31	63	207
28000716 **	7500K	45	69	225
28000361 ***	6500K	31	94	310
28000362	6500K	31	63	207
28000363	6500K	45	92	300
28000364**	6500K	45	68	225
28000468	Red	12	24	80
28000471	Green	35	71	233
28000472 ****	Blue	11	22	73
28000469	Orange	16	33	107
28000470 ****	Amber	12	24	80

CRYSTAL SELECT P531

Wattage	Current	60W PS Load		
0.34W — 0.70 W	0.028 A—0.058 A	147—71		
Part Number	Colour Temp	Nominal Light Output (lumen)		
		Per Module	Per Foot	Per Meter
28000374	6500K	31	63	206
28000375**	6500K	70	107	350

POPULATION DENSITY GUIDE* (inch/mm)

P531—28000374

Channel Depth		Single Stroke		Multiple Row Spacing	
1.57	40	4.5	115	3	75
2	50	5.5	140	3.75	95
3	75	8	200	6	150
4	100	8	200	8	200
5	125	6	150	6	150
6	150	5	125	5	125

P531—28000375**

4	100	10	250	8	200
5	125	10	250	10	250
6	150	9	225	10	250
7	175	8	200	9	225
8	200	7	175	8	200

P541—COLOURS

2	50	5.5	140	3.75	95
3	75	8	200	6	150
4	100	10	250	8	200
5	125	12	300	10	250
6	150	12	300	12	300
7	175	12	300	12	300
8	200	11	300	12	300

POPULATION DENSITY GUIDE* (inch/mm)

P541

Channel Depth		Single Stroke		Multiple Row Spacing	
2	50	5.5	140	3.75	95
3	75	8	200	6	150
4	100	8	200	8	200
5	125	6	150	6	150
6	150	5	125	5	125

* Module spacing is defined to achieve a minimum of 600 lux for a single row or 800 lux for multiple rows at sign face (7328 white acrylic). Face material is

** Module spacing is 200, please refer to specification sheet for more information.

*** Module spacing is 100 please refer to specification sheet for more information.

**** Contact sales associate for population density guide.

SIGNRAYZ® PRO LED Modules

Fewer LED Modules for Larger Signs—Any Size Any Depth



With continuous technology development, the SignRayz® PRO series is getting brighter and more efficient in the light coverage of sign faces, further reducing the number of modules per sign, total system cost, and installation labor cost.

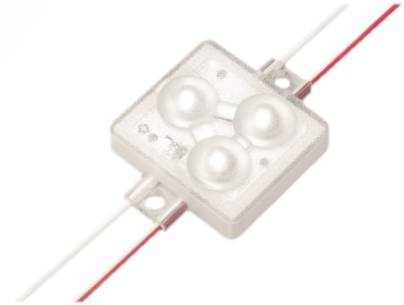
PRO LITE - With 80 lumens per module, the new SignRayz® PRO LITE is a brighter and cost-effective LED module solution for signage. Its high Colour Rendering Index (CRI) illuminates the face on any application naturally and realistically.

PRO XTRA is a brighter option that offers more lumens per watt and more lumens per meter, ideal for large channel letters and medium-to-deep box signs. Its higher system efficacy leads to more brightness and amounts to more savings for sign makers and end-users.

PRO 1G3 - At 5" (125mm) depth, the newly upgraded PRO 1G3 can light up 108 inch² (0.07m²) per module, delivering superior brightness and color uniformity on the sign face. At the same time, the new PRO 1G3 further enables the sleek design trend by going even shallower.

PRO 2B1 - The best-selling PRO 160 2B1 is the most versatile LED module for all sign sizes and depths. The light output of PRO 160 2B1 was upgraded with 8% increase to 92 lumen per module.

For an even brighter option, the PRO 260 2B1 with 146 lumen per module is released to market. The PRO 260 2B1 illuminates larger and deeper box signs at a much lower module count per sign than the conventional LED solutions.



PRO XTRA



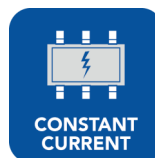
PRO 260 / 160 1G3



PRO 260 / 215 2G3

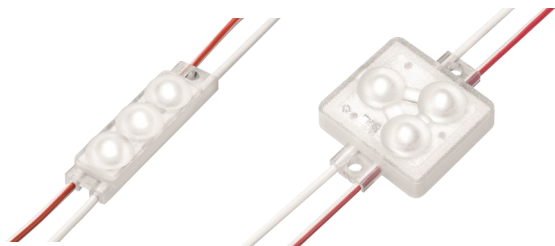


PRO 260 / 160 2B1



SIGNRAYZ® PRO Series

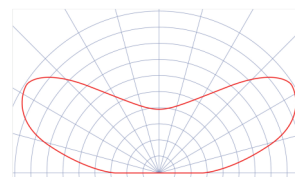
PRO P1



APPLICATIONS

- Channel letters
- Box signs
- Cloud signs
- Accent lighting

P1 BEAM PATTERN



Module	Dimensions (L x W x H)		Module Spacing		Number of Modules	
PRO LITE	1.89" x 0.47" x 0.32"	48.0 x 12.0 x 9.5 mm	8"	200 mm	1.5 per foot	5 per meter
PRO XTRA	1.63" x 1.27" x 0.40"	41.5 x 32.3 x 10.2 mm	10"	250 mm	1.2 per foot	4 per meter

ORDERING INFORMATION

PRO LITE					PRO XTRA				
Wattage		Current		60W PS Load	Wattage		Current		60W PS Load
0.72 W		0.060 A		77 Modules	1.02 W		0.085 A		54 Modules
Part Number	Colour Temp	Nominal Light Output (lumen)			Part Number	Colour Temp	Nominal Light Output (lumen)		
		Per Module	Per Foot	Per Meter			Per Module	Per Foot	Per Meter
LS-PRLT-75K-P1-200A	7500K	80	122	400	LS-PXTR-75K-P1-250A	7500K	115	140	460
LS-PRLT-70K-P1-200A	7000K	75	114	375	LS-PXTR-65K-P1-250A	6500K	115	140	460
LS-PRLT-65K-P1-200A	6500K	80	122	400	LS-PXTR-40K-P1-250A	4000K	106	129	424
					LS-PXTR-30K-P1-250A	3000K	97	118	388

POPULATION DENSITY GUIDE* (inch/mm)

PRO LITE						PRO XTRA					
Channel Depth		Single Stroke		Multiple Row Spacing		Channel Depth		Single Stroke		Multiple Row Spacing	
2	50	5.5	140	2.75	70	4	100	10	250	8	200
3	75	8	200	4.5	115	5	125	12	300	10	250
4	100	10	250	6.5	165	6	150	14	350	12	300
5	125	10	250	8	200	7	175	13	325	14	350
6	150	9	225	10	250	8	200	12	300	13	325

* Module spacing is defined to achieve a minimum of 600 lux for a single row or 800 lux for multiple rows at sign face (7328 white acrylic). Face material is 3/16" (4.50 mm) thick. Please refer to the spec sheet for module spacing.

SIGNRAYZ® PRO Series

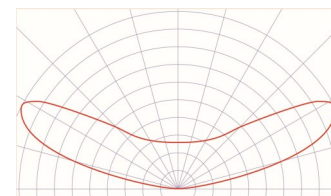
PRO 2B1



APPLICATIONS

- Shallow channel letters
- Shallow box signs
- Wide stroke channel letters
- Small to large size cloud signs
- Cove lighting
- Applications starting at 2" | 50 mm depth or higher

B1 BEAM PATTERN



Module	Dimensions (L x W x H)		Module Spacing		Number of Modules	
PRO 260 2B1C & PRO 160 2B1C	3.30" x 0.80" x 0.47"	84 x 20 x 12 mm	6.6"	168 mm	2 per foot	6 per meter

ORDERING INFORMATION

PRO 260 2B1 C					PRO 160 2B1 C				
Wattage	Current	60W PS Load			Wattage	Current	60W PS Load		
1.32 W	0.110 A	44 Modules			0.78 W	0.065 A	70 Modules		
Part Number	Colour Temp	Nominal Light Output (lumen)			Part Number	Colour Temp	Nominal Light Output (lumen)		
		Per Module	Per Foot	Per Meter			Per Module	Per Foot	Per Meter
LS-PRO260-ASW-2B1C	7500K	142	284	852	LS-PRO160-ASW-2B1C	7500K	89	178	534
LS-PRO260-65K-2B1C	6500K	144	288	864	LS-PRO160-65K-2B1C	6500K	90	180	540
LS-PRO260-57K-2B1C	5700K	142	284	852	LS-PRO160-57K-2B1C	5700K	89	178	534
LS-PRO260-50K-2B1C	5000K	142	284	852	LS-PRO160-50K-2B1C	5000K	89	178	534
LS-PRO260-45K-2B1C	4500K	130	260	780	LS-PRO160-45K-2B1C	4500K	81	162	486
LS-PRO260-41K-2B1C	4100K	130	260	780	LS-PRO160-41K-2B1C	4100K	81	162	486
LS-PRO260-30K-2B1C	3000K	130	260	780	LS-PRO160-30K-2B1C	3000K	81	162	486
LS-PRO260-27K-2B1C	2700K	120	240	720	LS-PRO160-27K-2B1C	2700K	74	148	444

POPULATION DENSITY GUIDE* (inch/mm)

PRO 260 2B1 C						PRO 160 2B1 C					
Channel Depth		Single Stroke		Multiple Row Spacing		Channel Depth		Single Stroke		Multiple Row Spacing	
2	50	5	127	5	127	2	50	5	127	5	127
3	75	9	229	8	203	3	75	9	229	8	203
4	100	12	305	12	305	4	100	12	305	12	305
5	125	16	406	15	381	5	125	16	406	15	381
6	150	18	457	18	457	6	150	14	356	16	406
7	180	21	533	21	533	7	180	12	305	15	381
8	200	24	610	20	508						

* Module spacing is defined to achieve a minimum of 600 lux for a single row or 800 lux for multiple rows at sign face (7328 white acrylic). Face material is 3/16" (4.50 mm) thick. Please refer to the spec sheet for module spacing.

SIGNRAYZ[®] PRO Series

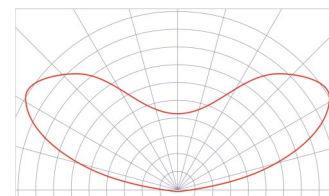
PRO 1G3



APPLICATIONS

- Wide stroke channel letters
- Shallow to deep box signs
- Small to large cloud signs
- Cabinet signs
- Accent lighting

1G3 BEAM PATTERN



Module	Dimensions (L x W x H)		Module Spacing		Number of Modules	
PRO 260 1G3B & PRO 160 1G3A	3.3" x 0.80" x 0.47"	85 x 20 x 12 mm	9.84"	250 mm	1.22 per foot	4 per meter

ORDERING INFORMATION

PRO 260 1G3 B					PRO 160 1G3 A				
Wattage		Current		60W PS Load	Wattage		Current		60W PS Load
1.32 W		0.110 A		44 Modules	0.78 W		0.065 A		70 Modules
Part Number	Colour Temp	Nominal Light Output (lumen)			Part Number	Colour Temp	Nominal Light Output (lumen)		
		Per Module	Per Foot	Per Meter			Per Module	Per Foot	Per Meter
LS-PRO260-ASW-1G3B	7500K	144	176	576	LS-PRO160-ASW-1G3A	7500K	92	112	368
LS-PRO260-65K-1G3B	6500K	146	178	584	LS-PRO160-65K-1G3A	6500K	93	114	372
LS-PRO260-57K-1G3B	5700K	144	176	576	LS-PRO160-57K-1G3A	5700K	92	112	368
LS-PRO260-50K-1G3B	5000K	144	176	576	LS-PRO160-50K-1G3A	5000K	92	112	368
LS-PRO260-45K-1G3B	4500K	132	161	528	LS-PRO160-45K-1G3A	4500K	84	103	336
LS-PRO260-41K-1G3B	4100K	132	161	528	LS-PRO160-41K-1G3A	4100K	84	103	336
LS-PRO260-30K-1G3B	3000K	132	161	528	LS-PRO160-30K-1G3A	3000K	84	103	336
LS-PRO260-27K-1G3B	2700K	122	149	488	LS-PRO160-27K-1G3A	2700K	77	94	308

POPULATION DENSITY GUIDE* (inch/mm)

PRO 260 1G3 B						PRO 160 1G3 A					
Channel Depth		Single Stroke		Multiple Row Spacing		Channel Depth		Single Stroke		Multiple Row Spacing	
4	100	11	279	8.5	216	4	100	11	279	8.5	216
5	125	14	356	11	279	5	125	14	356	11	279
6	150	17	432	13.5	343	6	150	13	330	10.5	267
7	180	20	508	16	406	7	180	12	305	10	254
8	200	20	508	16	406	8	200	11	279	9.5	241

* Module spacing is defined to achieve a minimum of 600 lux for a single row or 800 lux for multiple rows at sign face (7328 white acrylic). Face material is 3/16" (4.50 mm) thick. Please refer to the spec sheet for module spacing.

SIGNRAYZ® PRO Series

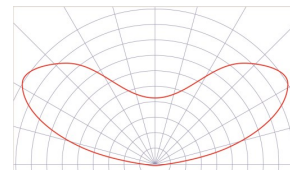
PRO 2G3



APPLICATIONS

- High brightness channel letters
- High brightness box signs
- Cabinet signs
- Accent lighting

2G3B & 2G3C BEAM PATTERN



Module	Dimensions (L x W x H)		Module Spacing		Number of Modules	
PRO 260 2G3B & PRO 215 2G3C	3.30" x 0.80" 0.47"	85 x 20 x 12 mm	6.6"	168 mm	2 per foot	6 per meter

ORDERING INFORMATION

PRO 260 2G3 B

Wattage	Current	60W PS Load		
1.32 W	0.110 A	44 Modules		
Part Number	Colour Temp	Nominal Light Output (lumen)		
		Per Module	Per Foot	Per Meter
LS-PRO260-ASW-2G3B	7500K	144	288	864
LS-PRO260-65K-2G3B	6500K	146	292	876
LS-PRO260-57K-2G3B	5700K	144	288	864
LS-PRO260-50K-2G3B	5000K	144	288	864
LS-PRO260-45K-2G3B	4500K	132	264	792
LS-PRO260-41K-2G3B	4100K	132	264	792
LS-PRO260-30K-2G3B	3000K	132	264	792
LS-PRO260-27K-2G3B	2700K	122	244	732

PRO 215 2G3 C

Wattage	Current	60W PS Load		
1.06 W	0.088 A	52 Modules		
Part Number	Colour Temp	Nominal Light Output (lumen)		
		Per Module	Per Foot	Per Meter
LS-PRO215-ASW-2G3C	7500K	117	234	702
LS-PRO215-65K-2G3C	6500K	118	236	708
LS-PRO215-57K-2G3C	5700K	117	234	702
LS-PRO215-50K-2G3C	5000K	117	234	702
LS-PRO215-45K-2G3C	4500K	106	212	636
LS-PRO215-41K-2G3C	4100K	106	212	636
LS-PRO215-30K-2G3C	3000K	106	212	636
LS-PRO215-27K-2G3C	2700K	98	196	588

POPULATION DENSITY GUIDE* (inch/mm)

PRO 260 2G3 B

Channel Depth		Single Stroke		Multiple Row Spacing	
3	75	8	203	6	152
4	100	11	279	8.5	216
5	125	14	356	11	279
6	150	17	432	13.5	343
7	180	20	508	16	406
8	200	22	559	18.5	470

PRO 215 2G3 C

Channel Depth		Single Stroke		Multiple Row Spacing	
3	75	8	203	6	152
4	100	11	279	8.5	216
5	125	14	356	11	279
6	150	17	432	13.5	343
7	180	20	508	16	406
8	200	22	559	18.5	470

* Module spacing is defined to achieve a minimum of 600 lux for a single row or 800 lux for multiple rows at sign face (7328 white acrylic). Face material is 3/16" (4.50 mm) thick. Please refer to the spec sheet for module spacing.

SIGNRAYZ® PRO Series

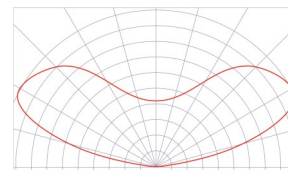
PRO 2G3



APPLICATIONS

- Channel letters
- Cloud signs
- Applications starting at 3" | 75 mm depth or higher

2G3 BEAM PATTERN



Module	Dimensions (L x W x H)		Module Spacing		Number of Modules	
PRO 115 2G3	2.70" x 0.60" x 0.50"	68 x 16 x 13 mm	6.0"	152 mm	2 per foot	6.56 per meter

ORDERING INFORMATION

PRO 115 2G3

Wattage	Current	60W PS Load		
0.48 W	0.040 A	115 Modules		
Part Number	Colour Temp	Nominal Light Output (lumen)		
		Per Module	Per Foot	Per Meter
LS-PRO115-ASW-2G3	7500K	51	102	335
LS-PRO115-65K-2G3	6500K	51	102	335

POPULATION DENSITY GUIDE*

(inch/mm)

Channel Depth		Single Stroke		Multiple Row Spacing	
3	75	8	200	6	150
4	100	10	254	8	203
5	125	12	305	10.5	267
6	150	14	356	12	305
7	180	15	381	14	356

* Module spacing is defined to achieve a minimum of 600 lux for a single row or 800 lux for multiple rows at sign face (7328 white acrylic). Face material is 3/16" (4.50 mm) thick. Please refer to the spec sheet for module spacing.

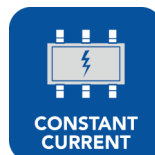
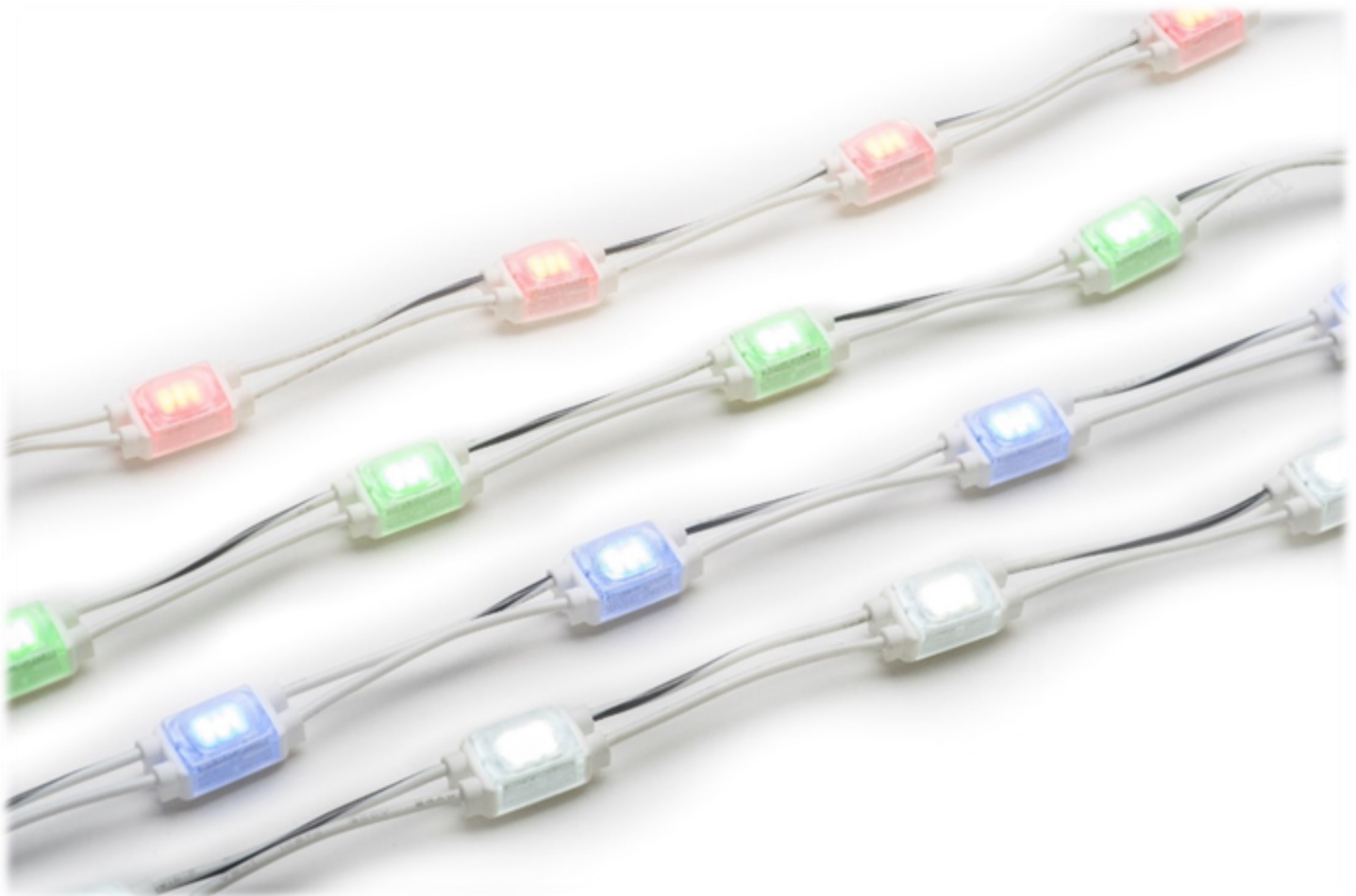
SIGNRAYZ® The MINI Family

The Smallest Waterproof LED for Miniature Letters



SignRayz® ULTRA MINI - Since its market release in 2016, the IP68 rated ULTRA MINI has become popular in illuminating sleek and modern miniature channel letters.

The ULTRA MINI now offers colours in True Red, Blue and Green, enabling more miniature letter applications for indoor and outdoor signage.



SIGNRAYZ®

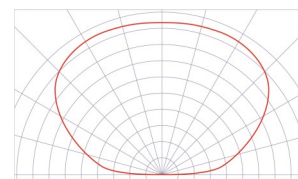
ULTRA MINI



APPLICATIONS

- Outdoor miniature channel letters
- Outdoor acrylic block letters
- Ultra narrow and shallow channel letters
- Accent lighting
- Applications starting at 1" | 25 mm depth or higher

L4 BEAM PATTERN



Module	Dimensions (L x W x H)		Module Spacing		Number of Modules	
L4-50A	0.70" x 0.31" x 0.39"	17 x 8 x 9.8 mm	1.97"	50.0 mm	6 per foot	20 per meter
L4-35A	0.70" x 0.31" x 0.39"	17 x 8 x 9.8 mm	1.32"	33.5 mm	9 per foot	30 per meter

ORDERING INFORMATION

ULTRA MINI

Colour	Wattage	Current	60W PS Load		
White	0.24 W	0.020 A	230 Modules		
TRD, GRN, BLU	0.12 W	0.010 A	460 Modules		
Part Number	Colour Temp	Nominal Light Output (lumen)			
		Per Module	Per Foot	Per Meter	
LS-UMINE75K-L4-50A	7500K	21	128	420	
LS-UMINE65K-L4-50A	6500K	21	128	420	
LS-UMINE57K-L4-50A	5700K	21	128	420	
LS-UMINE50K-L4-50A	5000K	21	128	420	
LS-UMINE45K-L4-50A	4500K	18	110	360	
LS-UMINE41K-L4-50A	4100K	18	110	360	
LS-UMINE30K-L4-50A	3000K	18	110	360	
LS-UMINE27K-L4-50A	2700K	18	110	360	
LS-UMINE75K-L4-35A	7500K	21	191	627	
LS-UMINE65K-L4-35A	6500K	21	191	627	
LS-UMINE57K-L4-35A	5700K	21	191	627	
LS-UMINE50K-L4-35A	5000K	21	191	627	
LS-UMINE45K-L4-35A	4500K	18	164	537	
LS-UMINE41K-L4-35A	4100K	18	164	537	
LS-UMINE30K-L4-35A	3000K	18	164	537	
LS-UMINE27K-L4-35A	2700K	18	164	537	
LS-UMIN-TRD-L4-50A	Red	4.4	27	88	
LS-UMIN-BLU-L4-50A	Blue	2.6	16	52	
LS-UMIN-GRN-L4-50A	Green	11.6	71	232	
LS-UMIN-TRD-L4-35A	Red	4.4	40	132	
LS-UMIN-BLU-L4-35A	Blue	2.6	24	78	
LS-UMIN-GRN-L4-35A	Green	11.6	106	348	

POPULATION DENSITY GUIDE

(inch/mm)

LS-UMINExxK-L4-xxA¹

Channel Depth		Single Stroke		Multiple Row Spacing	
1.0	25	0.31-0.79	8-20	0.79	20
1.6	40	0.31-1.60	8-40	1.60	40
2.0	50	0.31-3.25	8-82	2.50	63

1) *Face Material as 7328 3/16" (4.76mm) thick, or WH73 3mm thick

LS-UMIN-TRD-L4-xxA²

1.0	25	0.31-0.79	8-20	0.79	20
1.6	40	0.31-1.60	8-40	1.60	40
2.0	50	0.31-3.25	8-82	2.50	63

2) *Face Material 2793 Plex

LS-UMIN-BLU-L4-xxA³

1.0	25	0.31-0.79	8-20	0.79	20
1.6	40	0.31-1.60	8-40	1.60	40
2.0	50	0.31-3.25	8-82	2.50	63

3) *Face Material 2051 Plex

LS-UMIN-GRN-L4-xxA⁴

1.0	25	0.31-0.79	8-20	0.79	20
1.6	40	0.31-1.60	8-40	1.60	40
2.0	50	0.31-3.25	8-82	2.50	63

4) *Face Material 7328 Plex

*Face Material is 3/16" (4.5 mm) thick.

BoxRayz® LED Systems

The Brightest LED Solution for Cabinet Signs



Featuring 470 lumen per module and specially designed optical beam patterns, BoxRayz® reduces the number of modules per sign by up to 70%, providing the lowest Total System Cost for large cabinet sign illumination.

BoxRayz's plug-and-play, one-way connector system eliminates the electrical wire cutting, simplifying the installation process and reducing the labor cost.

BoxRayz® 2.0 – this newly upgraded version is optimized to enhance the cabinet sign's face brightness and uniformity.

BoxRayz® EDGE – the high output edge lighting solution for single- and double-face shallow box signs.

Constant-Current (CC) Power Supplies

The UL Class 2 certified constant-current power supplies can load up to 32 BoxRayz® LED modules. They feature a built-in 0-10V dimming control, making it convenient to adjust the sign face brightness onsite.

75 W CC – loading 5 to 16 BoxRayz® LED modules.

150 W CC – loading 9 to 32 BoxRayz® LED modules.



BoxRayz® 2.0



BoxRayz® EDGE



75W CC



150W CC



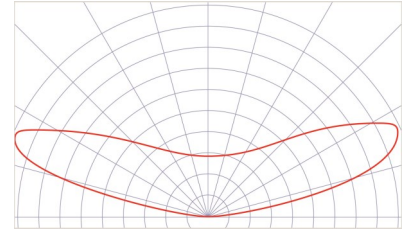
**NEW
Product!**



APPLICATIONS

- Single face cabinet signs
- Double face cabinet signs
- Box signs
- Cloud signs
- Applications starting at 5" | 125 mm depth or higher

B7 BEAM PATTERN



Module	Dimensions (L x W x H)		Module Spacing		Number of Modules	
BoxRayz® 2.0	5.20" x 1.90" x 0.60"	133 x 47 x 15 mm	16.0"	406 mm	0.75 per foot	2.50 per meter

ORDERING INFORMATION

BoxRayz® 2.0					
Wattage	Current	150W CC PS		Connector	
4.34 W	1.40 A	32 Modules		BR02	
Part Number	Color Temp	Nominal Light Output (lumen)			
		Per Module	Per Foot	Per Meter	Modules per Connector Set
LS-BR02-65K1B7-405A	6500K	470	353	1175	1
LS-BR02-57K1B7-405A	5700K	470	353	1175	1
LS-BR02-50K1B7-405A	5000K	470	353	1175	1
LS-BR02-45K1B7-405A	4500K	470	353	1175	1
LS-BR02-41K1B7-405A	4100K	470	353	1175	1
LS-BR02-30K1B7-405A	3000K	450	338	1125	1
LS-BR02-27K1B7-405A	2700K	450	338	1125	1
LS-BR02-65K4B7-405A	6500K	470	353	1175	4
LS-BR02-57K4B7-405A	5700K	470	353	1175	4
LS-BR02-50K4B7-405A	5000K	470	353	1175	4
LS-BR02-45K4B7-405A	4500K	470	353	1175	4
LS-BR02-41K4B7-405A	4100K	470	353	1175	4
LS-BR02-30K4B7-405A	3000K	450	338	1125	4
LS-BR02-27K4B7-405A	2700K	450	338	1125	4

POPULATION DENSITY GUIDE*

(inch/mm)					
Cabinet Sign Depth		Multiple Row Spacing		Module Spacing	
5	125	12	305	12	305
6	150	14	356	14	356
7	180	16	406	16	406
8	200	18	457	16	406
9	230	20	508	16	406
10	250	22	559	16	406
11	280	24	610	16	406
12	305	24	610	16	406

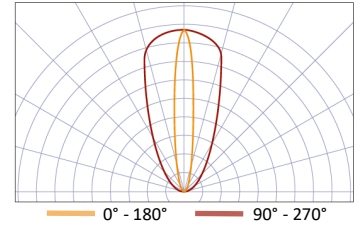
* Module spacing is defined to achieve a minimum of 600 lux for a single row or 800 lux for multiple rows at sign face (7328 white acrylic). Face material is 3/16" (4.50 mm) thick. Please refer to the spec sheet for module spacing. Product specifications subject to change without notice.



APPLICATIONS

- Edge lighting for small to medium single and double faced box signs at 3" - 6" | 75 - 150 mm depth

E1 BEAM PATTERN



Module	Dimensions (L x W x H)		Module Spacing		Number of Modules	
BoxRayz® EDGE	4.1" x 1.5" x 0.7"	103 x 37 x 18 mm	12.0"	305 mm	1 per foot	3.3 per meter

ORDERING INFORMATION

BoxRayz® EDGE

Wattage	Current	150W CC PS	Connector		
4.34 W	1.40 A	32 Modules	BR01		
Part Number	Colour Temp	Nominal Light Output (lumen)			
		Per Module	Per Foot	Per Meter	Modules per Connector Set
LS-EG40E65K1E1-300A	6500K	410	410	1345	1
LS-EG40E57K1E1-300A	5700K	410	410	1345	1
LS-EG40E50K1E1-300A	5000K	410	410	1345	1
LS-EG40E40K1E1-300A	4000K	350	350	1148	1
LS-EG40E30K1E1-300A	3000K	330	330	1082	1
LS-EG40E27K1E1-300A	2700K	300	300	984	1
LS-EG40E65K4E1-300A	6500K	410	410	1345	4
LS-EG40E57K4E1-300A	5700K	410	410	1345	4
LS-EG40E50K4E1-300A	5000K	410	410	1345	4
LS-EG40E40K4E1-300A	4000K	350	350	1148	4
LS-EG40E30K4E1-300A	3000K	330	330	1082	4
LS-EG40E27K4E1-300A	2700K	300	300	984	4

POPULATION DENSITY GUIDE

(inch/mm)

Sign Type	Module Mounting	Sign Depth		Reach Out Length		Module Spacing	
Single Face Box Sign (7328 White Acrylic 0.18" 4.6 mm)	On One Single Edge	3	75	36	914	7	178
		4	100	36	914	8	203
		5	125	42	1067	10	254
		6	150	42	1067	12	305
	On Two Opposite Edges	3	75	2 x 30	2 x 762	7	178
		4	100	2 x 30	2 x 762	8	203
		5	125	2 x 36	2 x 914	10	254
		6	150	2 x 36	2 x 914	12	305
Double Face Box Sign (7328 White Acrylic 0.18" 4.6 mm)	On One Single Edge	3	75	36	914	5	127
		4	100	36	914	6	152
		5	125	42	1067	9	229
		6	150	42	1067	9	229
	On Two Opposite Edges	3	75	2 x 30	2 x 762	5	127
		4	100	2 x 30	2 x 762	6	152
		5	125	2 x 36	2 x 914	9	229
		6	150	2 x 42	2 x 1067	9	229

BoxRayz® Accessories

BR02 Jumper Cable



BR01 Jumper Cable



BR02 End Plug



Bracket



BR01 End Plug



ORDERING INFORMATION

Part Number	Product Name	Connector	Connector Type	Wire Gauge	IP Rating
LS-BOXZAC-BRCT-WHT	Light Bar Mounting Bracket	BoxRayz® 400 BoxRayz® EDGE	N/A	N/A	N/A
LS-BOXZAC-EPLG	LED String End Plug		1 Plug (BR01)	N/A	IP67
LS-BOXZAC-JUMP-18	18" jumper cable (457 mm)		1 Plug & 1 Receptacle (BR01)	22	IP67
LS-BOXZAC-JUMP-36	36" jumper cable (914mm)		1 Plug & 1 Receptacle (BR01)	22	IP67
AC-EPLG-00-3-BR02-1	LED String End Plug - BR02	BoxRayz® 2.0	1 Plug (BR02)	N/A	IP67
AC-JUMP-18-3-BR02-1	18" jumper cable (457mm) - BR02		1 Plug & 1 Receptacle (BR02)	22	IP67
AC-JUMP-36-3-BR02-1	36" jumper cable (914mm) - BR02		1 Plug & 1 Receptacle (BR02)	22	IP67

Constant Current Power Supplies

UL CLASS 2



Product Description	1.4 ADC 75W	2-Channel 1.4 ADC 150W
Part Number	PS0700-75W-1-E-D	PS0700-150W-2-E-D
AC Input Voltage	100-277V AC 50/60 Hz	
DC Output Current	1.4 A (0.7 A/ LED)	1.4 A/ Channel (0.7 A/ LED)
# of DC Output Channels	1	2
Max DC Output Power	75 W	150 W (75 W/ channel)
Max DC Output Voltage	12.5 - 54 VDC	24 - 54 VDC
Total # of LED Module per Power Supply	5 to 16 BoxRayz® 2.0, 400 or EDGE	9-16 single channel usage 16-32 double channel usage BoxRayz® 2.0, 400 or EDGE
Dimensions (L x W x H)	8.90" x 2.52" x 1.26" 226 x 64 x 32 mm	8.35" x 3.46" x 1.50" 212 x 88 x 38 mm
Operating Temperature	-40°C to +60°C -40°F to +140°F	
IP Rating	IP 67	
AC Input 1/2 NPT Thread Connector	YES	

Constant Voltage Power Supply

High Performance and Reliable for Outdoor Applications

CLASSIC LINE

Agilight's Classic Line power supplies feature a wide AC input voltage range 100-277V, with an excellent derating performance at high ambient temperatures, ensuring the full load capacity and long lifetime within rated operating temperature range up to +140°F (+60°C).

Built with multiple protection functions, the Classic Line power supplies are robust and highly reliable for outdoor signage applications.



TALEXXdriver LCU

LED light sources come in an extremely wide range of shapes and sizes, providing a high degree of flexibility in both luminaire design and illuminated signage.

To take account of this flexibility in terms also of the LED driver, designers focused on achieving small dimensions when developing the new constant voltage LED driver in the LCU IP67 product series, without compromising on the traditional robustness and durability. The LCU LED driver series is setting new standards in compactness.

 **12**
12V DC

 **24**
24V DC

Power Supplies

Constant Voltage 12V DC

ORDERING INFORMATION

UL CLASS 2* Classic Line 12V DC				
	SLIM 60W		STANDARD 60W	
Product Description	PS12-60WSL-100-277V		PS12-60W-100-277V	
Part Number				
# of DC Output Channels	1			
Max DC Output Current	5 A			
Max DC Output Power	60 W			
Dimensions (L x W x H)	272 x 42.7 x 34.3 mm		177 x 67.5 x 37 mm	
IP Rating	IP 67		IP 67	
AC Input 1/2 NPT Thread Connector	Yes		No	

12V DC						
	LCU 15W 12V IP67 TOP		LCU 35W 12V IP67 TOP		LCU 60W 12V IP67 TOP	
Product Description	28000507		28000508		28000509	
Part Number						
# of DC Output Channels	1					
Max DC Output Current	1.25 A		2.92 A		5 A	
Max DC Output Power	15 W		35 W		60 W	
Dimensions (L x W x H)	130 x 40 x 21 mm		170 x 40 x 21 mm		240 x 40 x 21 mm	
IP Rating	IP 67					
AC Input 1/2 NPT Thread Connector	No					

UL CLASS 1* Classic Line 12V DC						
	100W		150W		220W	
Product Description	PS12-100W-100-277V		PS12-150W-100-277V		PS12-220W-100-277V	
Part Number						
# of DC Output Channels	2				3	
Max DC Output Current	8.33 A (4.17 A / channel)		12.50 A (6.25 A / channel)		18.33 A (6.11 A / channel)	
Max DC Output Power	100 W (50 W / channel)		150 W (75 W / channel)		220 W (73 W / channel)	
Dimensions (L x W x H)	211 x 68 x 37 mm		226 x 68 x 40 mm		251 x 88 x 33 mm	
IP Rating	IP 67					
AC Input 1/2 NPT Thread Connector	No					

*AC Input Voltage: 100-277V AC 50/60 Hz

**AC Input Voltage: 120-277V AC 50/60 Hz

Power Supplies

Constant Voltage 12V DC

ORDERING INFORMATION

12V DC		
Product Description	LCU 100W 12V IP67 TOP	LCU 180W 12V IP67 TOP
Part Number	28000510	28000511
AC Input Voltage	108-305V AC 50/60 Hz	
# of DC Output Channels	1	
Max DC Output Current	8.33 A	15 A
Max DC Output Power	100 W	180 W
Dimensions (L x W x H)	270 x 40 x 21 mm	270 x 60 x 29 mm
IP Rating	IP67	
AC Input 1/2 NPT Thread Connector	No	

12V DC			
		ESSENCE	
			
Product Description	LED 0010 K301 230-240/12V 10VA	LC 60W 12V IP66 slim SNC	LC 100W 12V IP66 slim SNC
Part Number	86456206	28001026	28001027
AC Input Voltage	200-254V AC 50/60 Hz	220 – 240 VAC 50 / 60 Hz	
# of DC Output Channels	1		
Max DC Output Current	N/A*	5.0 A	8.33 A
Max DC Output Power	10 W	60 W	100 W
Dimensions (L x W x H)	182 x 20 x 20 mm	230.5 x 42.5 x 32 mm	230.5 x 49 x 37 mm
IP Rating	IP65	IP 66	
AC Input 1/2 NPT Thread Connector	No		

* Please see spec sheet.

Power Supplies

Constant Voltage 24V DC

ORDERING INFORMATION

			
Product Description	LED 0010 K301 230-240/24V 10VA	LC 60W 24V IP66 slim SNC	LC 100W 24V IP66 slim SNC
Part Number	86456215	28001028	28001029
AC Input Voltage	200-254V AC 50/60 Hz		
# of DC Output Channels	1		
Max DC Output Current	N/A	2.5 A	4.17 A
Max DC Output Power	10 W	60 W	100 W
Dimensions (L x W x H)	182 x 20 x 20 mm	230.5 x 42.5 x 32 mm	230.5 x 49 x 37 mm
IP Rating	IP 65	IP 66	
AC Input 1/2 NPT Thread Connector	No		

24V DC	UL CLASS 2		UL CLASS 1
			
	LCU 60W 24V IP67 TOP	LCU 96W 24V IP67 TOP	LCU 180W 24V IP67 TOP
Product Description	LCU 60W 24V IP67 TOP	LCU 96W 24V IP67 TOP	LCU 180W 24V IP67 TOP
Part Number	28000512	28000513	28000514
AC Input Voltage	90-305V AC 50/60 Hz	108-305V AC 50/60 Hz	108-305V AC 50/60 Hz
# of DC Output Channels	1		
Max DC Output Current	2.5 A	4 A	7.5 A
Max DC Output Power	60 W	96 W	180 W
Dimensions (L x W x H)	240 x 40 x 21 mm	270 x 40 x 21 mm	245 x 60 x 29 mm
IP Rating	IP 67		
AC Input 1/2 NPT Thread Connector	No		

12V Power Supply Loading Chart

12 VDC LED Module Part Number	Module Wattage (W)	Module Current (A)	Max # Modules per String	Total Number of Modules per Power Supply								Module Spacing (Inch)	# of Modules per foot	Module Spacing (mm)	# of Modules per meter
				UL CLASS 2			UL Class 1								
				15 W	35 W	60 W*	100 W*	150 W*	180 W*	220 W*					
LS-PRLT-xxx-P1-200A	0.72	0.060	72	19	45	77	125	188	225	275	8.0"	1.5	200	5	
LS-PXTR-xxx-P1-250A	1.02	0.085	52	13	32	54	88	132	159	195	10.0"	1.2	250	4	
P561	1.476	0.123	100	8	20	34	58	86	104	127	12.0"	1.0	300	3.3	
P551	0.696	0.058	100	18	43	74	124	185	223	271	8.0"	1.5	200	5	
P541-31lm	0.34	0.028	100	38	89	153	256	382	460	560	6.0"	2	150	6.5	
P541-45lm	0.504	0.042	100	25	60	103	173	258	311	380	8.0"	1.5	200	5	
P541-red	0.540	0.045	100	24	56	96	161	242	289	353	6.0"	2	150	6.5	
P541-orange	0.444	0.037	100	29	68	118	197	293	354	429	6.0"	2	150	6.5	
P541-amber	0.444	0.037	100	29	68	118	197	293	354	429	6.0"	2	150	6.5	
P541-green	0.444	0.037	100	29	68	118	197	293	354	429	6.0"	2	150	6.5	
P541-blue	0.648	0.054	100	19	46	79	133	198	239	291	6.0"	2	150	6.5	
P531-31lm	0.336	0.028	100	36	85	147	245	364	441	534	6.0"	2	150	6.5	
P531-70lm	0.696	0.058	100	17	41	71	119	178	214	261	8.0"	1.5	200	5	
LS-PRO115-xxx-2G3	0.48	0.04	115	29	67	115	188	281	339	414	6.0"	2	152	6.56	
LS-PRO160-xxx-1G3A	0.78	0.065	70	18	41	70	115	173	208	254	9.8"	1.22	250	4	
LS-PRO160-xxx-2B1	0.78	0.065	70	18	41	70	115	173	208	254	6.6"	2	168	6	
LS-PRO160-xxx-2B1C	0.78	0.065	70	18	41	70	115	173	208	254	6.6"	2	168	6	
LS-PRO215-xxx-2G3	1.12	0.093	50	12	28	50	80	120	145	176	6.6"	2	168	6	
LS-PRO215-xxx-2G3C	1.06	0.088	52	13	30	52	85	128	153	186	6.6"	2	168	6	
LS-PRO260-xxx-1G3B	1.32	0.11	44	10	24	44	68	102	123	150	9.8"	1.22	250	4	
LS-PRO260-xxx-2B1C	1.32	0.11	44	10	24	44	68	102	123	150	6.6"	2	168	6	
LS-PRO260-xxx-2G3B	1.32	0.11	44	10	24	44	68	102	123	150	6.6"	2	168	6	
LS-PROMIN-xxx-3L1	0.336	0.028	120	41	96	162	267	400	480	590	4.0"	3	102	9.84	
LS-UMIN-xxK-L4-35A	0.24	0.02	180	58	134	230	383	575	690	843	1.32"	9.1	33.5	30	
LS-UMIN-xxK-L4-50A	0.24	0.02	150	58	134	230	383	575	690	843	1.97"	6.1	50	20	
LS-UMIN-yyy-L4-35A	0.12	0.01	245	115	267	460	750	1130	1350	1650	1.32"	9.1	33.5	30	
LS-UMIN-yyy-L4-50A	0.12	0.01	200	115	267	460	750	1130	1350	1650	1.97"	6.1	50	20	
LS-U430-xxx-B100-A	0.30	0.25	175	46	107	184	300	450	540	660	4.0"	3	100	10	
LS-U450-xxx-B150-A	0.48	0.40	110	28	67	115	187	281	337	412	6.0"	2	150	7	
LS-U470-xxx-B150-A	0.66	0.55	80	20	48	83	136	204	245	300	6.0"	2	150	7	
LS-U650-xxx-B200-A	0.84	0.70	67	17	41	70	115	173	207	253	8.0"	5	200	5	
LS-U670-xxx-B250-A	1.26	.105	43	11	26	44	72	109	131	160	10.0"	4	250	4	
LS-UEDGE-xxx-E170-A	2.04	0.170	26	6	15	27	44	66	79	97	6.6"	2	170	6	

* Modules are connected in multiple parallel strings. The number of modules in each string should not exceed the specified limit under "Max # Modules per String."

Note: LS-UMIN-yyy indicates colors

LNU Dimming Control

Additional Energy Savings with twilightCONTROL

With the built-in light sensor, the LNU dimmers automatically adjust the sign face brightness based on the outdoor ambient light level, saving an additional 40-60% energy for sign operation and reducing light pollution at night.

The LNU dimmers can be applied in either 12V or 24V DC LED systems. The LNU dimmers are easy to install and maintain, simply connect in between LED modules and power supplies.

The Master Unit (LNU-M) is built into the sign. It contains the light sensor to detect ambient light level and determine the LED modules' light output accordingly. One LNU Master unit can synchronize up to 19 Sub units (LNU-S):

- Fewer dimmers to install
- No timer needed
- No photocells
- Controller is built into the letter at the factory



ORDERING INFORMATION

	LNU M Master Unit	LNU S Sub Unit	LNU I Interface Unit
			
Part Number	28000018	28000050	28000163
DC Input Voltage	12V / 24V DC	12V / 24V DC	5V USB
DC Input Current	≤ 15 A	≤ 15 A	50 mA
DC Output Voltage	12V / 24V DC	12V / 24V DC	N/A
# of DC Output Channels	3 x PWM	3 x PWM	N/A
DC Output Current	≤ 5A/ Channel	≤ 5A/ Channel	N/A
PWM Frequency	495 Hz	495 Hz	N/A
DC Voltage Drop	≤ 150 mV	≤ 150 mV	N/A
Dimming Range twilightCONTROL	0-98% (Default 30-98%)		N/A
Dimensions (L x W x H)	5.55" x 1.57" x 0.83" 141 x 40 x 21 mm		2.09" x 1.91" x 0.51" 53 x 49 x 13 mm
Operating Temperature	-40°C to +60°C -40°F to +140°F		0°C to +50°C 32°F to +122°F
IP Rating	IP 67		IP 20

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