BOXRAYZ ENDURANCE
LS-PE4-XXK-380-B405-A
24V LED MODULES

GEN LED AgiLight®
Innovative Signage Lighting

BOXRAYZ ENDURANCE

BoxRayz Endurance modules from AgiLight are premium 24V signage modules with superior lumen output of 380 lm/module. Our most powerful Endurance modules feature efficacy of 160 lm/W in a versatile slim form factor and five CCTs (3000K-7100K). BoxRayz Endurance modules come with a 10-year parts and labor warranty and a 10-year L80 brightness warranty that is unmatched in the industry.

cULus LISTED   CE   **IP68**   3-STEP BINNING

+24V — 24 VDC

10Yr — 10-YEAR LIMITED WARRANTY

ONEWhite® COLOR CONSISTENCY

VERSALENZ® ADVANCED OPTICS

CAPZUL® WATERPROOF

+CC — CONSTANT CURRENT

UV RESISTANT

ORDERING GUIDE - 3000K* | 4000K* | 5000K | 6500K | 7100K

Data below based on 6500K modules

| Part Number**	Optic	Module Spacing (in./mm)	Wattage per Module (W)	Number of Modules		Nominal Light Output (lm)			
				Per Foot	Per Meter	Per Watt	Per Module	Per Foot	Per Meter
LS-PE4-xxK-380-B405-A	B	16 / 405	2.4	0.8	2.5	160	380	286	938

* Special orders only
** In part numbers, 'XX' represents the CCT. Replace 'XX' with '30' for 3000K, '40' for 4000K, '50' for 5000K, '65' for 6500K, or '71' for 7100K.

PRODUCT RATINGS

Input Voltage	24 VDC
IC Design	Constant Current
Lumen Drop	< 3%
Max. # of Modules Per Continuous String	40
Ingress Protection	IP68
MacAdam ellipse	3-step binning
Operating Temperature	-13 — 140 °F (-25 — 60 °C)
Lifetime (L80 reported)	TM-21 reported: L80 > 54,000 hours TM-21 calculated (extrapolated): L80 ≈ 86,000 hours
Warranty	10-year limited warranty
Dimensions (L x W x H)	3.15 x 0.6 x 0.48 in. (80 x 15 x 12 mm)

OPTICS

B (ultra-wide angle)

170°
158.4°
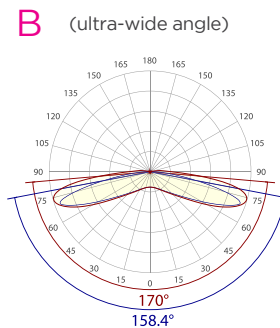
Applications:
- Large channel letters (8-9 in. | 200-225 mm)
- Massive cabinet & pylon signs
- High-brightness applications down to 3 in. | 76 mm depths

POWER SUPPLY LOADING

Module Type (B optic)	Per 30 W Power Supply			Per 60 W Power Supply			Per 100 W Power Supply			Per 300 W Power Supply (3x 100 W)		
	Max. # of Modules	Max. # of Feet	Max. # of Meters	Max. # of Modules	Max. # of Feet	Max. # of Meters	Max. # of Modules	Max. # of Feet	Max. # of Meters	Max. # of Modules	Max. # of Feet	Max. # of Meters
LS-PE4-XXK-380-B405-A	11	14.8	4.5	22	29.2	8.9	37	49.2	15	111** (3x 37)	148 (3x 49.33)	45 (3x 15)

**For optimum performance maximum number of modules on a single continuous string is 40.

REV.19DEC2025

LAYOUT GUIDE*

Channel Depth (in.)	Single Row		Multiple Rows		Channel Depth (mm)	Single Row		Multiple Rows	
	Max. Stroke	Module Spacing	Row Spacing	Module Spacing		Max. Stroke	Module Spacing	Row Spacing	Module Spacing
8	26	16	20	16	200	650	405	500	405
9	34	16	26	16	225	850	405	650	405

* Layout guidance is based on 0.2 in. (5 mm) thick 7328 acrylic with 23% translucency, designed to achieve optimal uniformity.

SHIPPING INFORMATION

Part Number	Packaging Quantity		Carton Dimensions			Carton Weight
	Per Bag	Per Carton	L	W	H	
LS-PE4-xxK-380-B405-A	100	600	20.47 in. / 520 mm	14.57 in. / 370 mm	10.24 in. / 260 mm	34.17 lbs / 15.5 kg

DIMENSION DRAWING
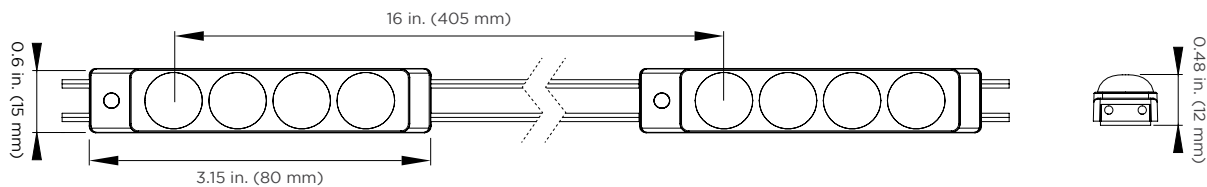
1. UL ONLY - These products are only suitable for connection to a UL rated Class 2 power source rated 24 Volt or less.
2. UL ONLY - These products are intended for use only when connected to a power source that complies with UL rated Class 2 voltage and energy limited circuit.
3. UL ONLY -When these units are connected to a UL rated Class 2 circuit, they are not to draw a total wattage of greater than the secondary or output rating of the UL rated Class 2 power supply.
4. These products may be secured in place in the end product by any means available.
5. These products are suitable for use in dry, damp and wet locations. Not suitable for submersed applications.