



KAD LED

LED Area Luminaire



Catalog Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

CONTOUR
SERIES

Specifications

EPA:	1.2 ft ² (0.11 m ²)
Length:	17-1/2" (44.5 cm)
Width:	17-1/2" (44.5 cm)
Height:	7-1/8" (18.1 cm)
Weight (max):	36 lbs (16.4 kg)



Introduction

The Contour® Series luminaires offer traditional square dayforms with softened edges for a versatile look that complements many applications.

The KAD LED combines the latest in LED technology with the familiar aesthetic of the Contour® Series for stylish, high-performance illumination that lasts. It is ideal for replacing 100-250W metal halide in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

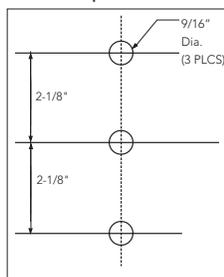
Ordering Information

EXAMPLE: KAD LED 1 63B350/40K SR5 MVOLT SPD04 DDBXD

KAD LED	Series	Light Engines	Performance Package ¹	Distribution	Voltage	Mounting	Options	Finish (required)
KAD LED	1	One engine (49 or 63 LEDs)	350 mA options: 49B350/30K 3000K 49B350/40K 4000K 49B350/50K 5000K 63B350/30K 3000K 63B350/40K 4000K 63B350/50K 5000K 530 mA options: 63B530/30K 3000K 63B530/40K 4000K 63B530/50K 5000K	SR2 Type II SR3 Type III SR4 Type IV SR5 Type V	MVOLT ² 120 ² 208 ² 240 ² 277 ² 347 480	Shipped included Type Length SPD__ Square pole 04 4" arm RPD__ Round pole 06 6" arm WBD__ Wall bracket 09 9" arm WWD__ Wood pole or wall 12 12" arm	Shipped installed PER NEMA twist-lock receptacle only (no controls) SF Single fuse (120, 277, 347V) ³ DF Double fuse (208, 240, 480V) ³ DMG 0-10V dimming driver (no controls) ⁴ DFL Diffusing lens Shipped separately VG Vandal guard ⁵ WG Wire guard ⁵	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Drilling

Template #5
Top of Pole



Accessories

Ordered and shipped separately.

DSS124N 1.5 TJJE U	Photocell - SSL twist-lock (120-277V) ⁶
DLL347 1.5 CUL JU	Photocell - SSL twist-lock (347V) ⁶
DLL480 1.5 CUL JU	Photocell - SSL twist-lock (480V) ⁶
SC U	Shorting cap ⁶
KMA DDBXD U	Mast arm adapter (specify finish)
KADWG U	Wire guard accessory
KADVG U	Vandal guard accessory

For more control options, visit [DTL](#) and [ROAM](#) online.

Tenon Mounting Slipfitter* [†]

Tenon O.D.	Single Unit	2 at 180°	2 at 90° [†]	3 at 120°	3 at 90° [†]	4 at 90° [†]
2-3/8"	T20-190	T20-280	T20-290	T20-320 [†]	T20-390	T20-490
2-7/8"	T25-190	T25-280	T25-290	T25-320	T25-390	T25-490
4"	T35-190	T35-280	T35-290	T35-320	T35-390	T35-490

* For round pole mounting (RPA) only.

[†] Requires 9" or 12" arm.

NOTES

- Configured with 4000K (/40K) provides the shortest lead times. Consult factory for 3000K (/30K) and 5000K (/50K) lead times.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options).
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Not available with 347 or 480V.
- Also available as a separate accessory; see Accessories information at left.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item.



Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%. Contact factory for performance data on any configurations not shown here.

Light Engines	Drive Current (mA)	Performance Package	System Watts	Dist. Type	40K (4000K, 67 CRI)				
					Lumens	B	U	G	LPW
1 (49 LEDs)	350	49B350/--K	59W	SR2	5068	1	0	1	86
				SR3	4663	1	0	1	80
				SR4	4667	1	0	1	80
				SR5	4853	3	0	1	82
1 (63 LEDs)	350	63B350/--K	74W	SR2	6148	1	0	1	83
				SR3	6374	1	0	1	86
				SR4	6250	1	0	1	84
				SR5	6464	3	0	1	87
1 (63 LEDs)	530	63B530/--K	109W	SR2	8353	2	0	2	77
				SR3	8595	2	0	2	79
				SR4	8246	2	0	2	76
				SR5	8452	3	0	1	78

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **KAD LED 1 63B530** platform in a **40°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.95	0.92	0.87

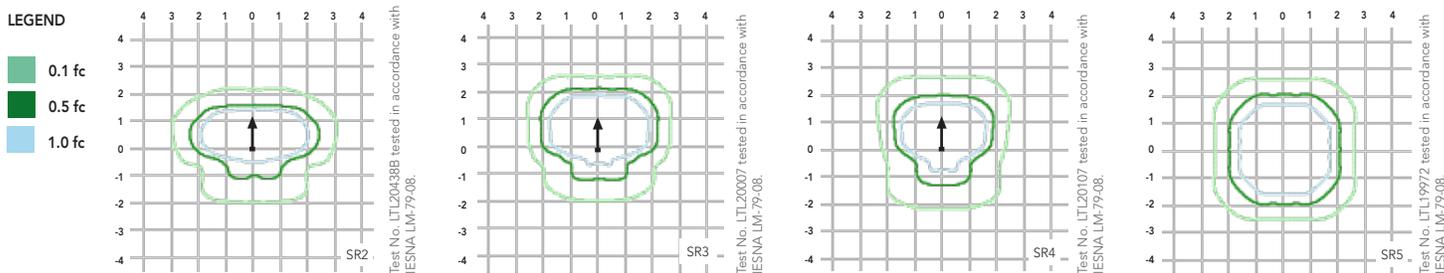
Electrical Load

Light Engines	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
1 (49)	350	59W	0.55	0.32	0.27	0.24	0.19	0.14
1 (63)	350	74W	0.69	0.40	0.34	0.30	0.24	0.17
	530	109W	1.01	0.58	0.50	0.44	0.35	0.25

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [KAD LED homepage](#).

Isofootcandle plots for the KAD LED 1 63B530/40K. Distances are in units of mounting height (20').



FEATURES & SPECIFICATIONS

INTENDED USE

The energy savings and long life of the KAD LED area luminaire make it a reliable choice for illuminating streets, walkways, parking lots, and surrounding areas.

CONSTRUCTION

Single-piece die-cast, aluminum housing with contoured edges has a 0.12" nominal wall thickness. Die-cast door frame has an impact-resistant, tempered glass lens that is fully gasketed with one-piece tubular silicone.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

OPTICS

Precision-molded refractive acrylic lenses housed behind the door frame lens are available in four distributions. Light engines are available in standard 4000K (67 CRI) or optional 3000K (80 CRI) or 5000K (67 CRI) configurations.

ELECTRICAL

Light engine consists of 49 or 63 high-efficacy LEDs mounted to a metal-core circuit board and aluminum heat sink, ensuring optimal thermal management and long life. Class 1 electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure

rate. Easily-serviceable surge protection device meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

INSTALLATION

Extruded aluminum arm for pole or wall mounting.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. Rated for -40°C minimum ambient.

WARRANTY

Five year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Specifications subject to change without notice.

