The KAX LED Family

The KAX LED Family
Designed with you in mind.

The KAX LED Family from Lithonia Lighting was designed with you in mind. Feature-rich luminaires with a modern design aesthetic and the latest in LED technology will quickly make this your go-to lighting solution for small parking lots. Combine all of this with a competitive price, and we know that you'll quickly find value in the KAX LED Family.

KAX2 LED
Replaces up to 1000W metal halide

KAX1 LED
Replaces up to 400W metal halide

KAXW LED
Replaces up to 400W metal halide

The KAX LED Family

Designed to save money with maximum performance.

The KAX LED family was designed to provide maximum illumination in the target area for the lowest possible price. With a low cost and long life, the KAX LED family will not only save you money up front but will also save in energy and maintenance costs for years to come.

Designed to cut costs.

	400W Metal Halide	KAX1 LED	Savings
Input Watts	460W	130W	**330W**
Expected Life (hours)	15,000	100,000+	**6+lamp changes**
Annual kWh (4,380 annual nighttime hrs.)	2,015	569	**72%**
Annual Energy/Luminaire (@ $0.10 per kWh)	$241.78	$68.33	**$173.45**
Average Footcandles	1.8	2.3	–

The KAX LED family is DesignLights Consortium® (DLC) Premium qualified. For utility rebates in your area, visit *www.dsireusa.org.*
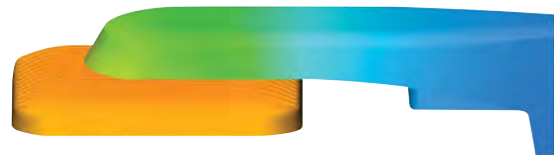
Integrated bi-level motion sensor

Order any KAX LED area or wall luminaire with a factory installed bi-level motion sensor (PIR or PIRH) for even more savings! The fully programmable motion sensor enables the luminaire stay in dimmed mode during nighttime periods of non-occupancy and quickly ramps to full light output when motion is detected.

Designed to last.

Our luminaires are designed to last. With an expected service life of up to 20 years, the KAX LED family will not only save you money up front, but will also save you money in maintenance costs down the road.

How do we accomplish this long life? A robust design, thoughtful thermal engineering and optimal driver placement.

The drivers are thermally separated from the heat-generating light engines which allows the drivers to remain cool and achieve superior performance for years to come.

Designed to provide the right amount of light on any small or medium lot, no matter the shape.

The KAX LED area luminaires come standard with field-rotatable optics. This allows you to rotate the optics 90 degrees to the right or left, depending on the needs of your application.

This is an important feature to limit light off-site and minimize jobsite complications.

An optional tilt arm allows you to tilt the luminaire up to 80 degrees. This allows for additional forward throw to highlight specific areas of an application, such as a building facade.

The field-rotatable optics can also be used with the tilt arm to allow for even more jobsite customization.

Designed to perform.

Combine the versatility of the KAX LED family with exceptional performance over comparable metal halide sources, and you're sure to find a solution to meet your applications' needs.

Package	Replaces Up To	Lumens	Watts	LPW
KAX1 LED				
P1	175W MH	6,628	50W	133
P2	250W MH	11,403	96W	119
P3	400W MH	16,609	130W	128
P4	400W MH +	19,869	160W	124
KAX2 LED				
P1	750W MH	26,112	200W	131
P2	1000W MH	32,812	248W	132
P3	1000W MH	48,065	681W	126
KAXW LED				
P1	175W MH	3,545	29W	122
P2	250W MH	6,115	49W	125
P3	400W MH	9,445	79W	120

Designed for easy installation.

Simple, single-person installation is the key to making the KAX LED family easy to work with, no matter the job site.

Every KAX LED area product comes with integral universal mounting, which allows the luminaire to mount to virtually any existing drill hole pattern on either square or round poles.

The KAXW LED wallpack comes standard with a simple-to-use mounting plate and an easy-access panel on the bottom of the luminaire to make wiring connections.

Installing the Area Luminaire:

Step 1:

Regardless of the existing drilling pattern, place the adjustable back plate inside the pole to line up with the existing holes—no drilling required! Note from the picture that the fixed hole goes on top.

Step 2:

Secure the adjustable backplate to the pole by screwing a bolt through the top hole. Place the luminaire over the bolt-head such that the bolt is in the top keyhole slot of the luminaire.

Step 3:

Once the luminaire is in place, tighten the top bolt and then insert the bottom bolt through the luminaire slot and the pole's bottom hole. Align the adjustable backplate with bottom bolt and tighten.

Step 4:

Complete the wiring connections and install the lower cover to complete the installation.

Installing the Wall Luminaire:

Step 1:

Mount the back plate to the wall and pull the wiring connections through the back plate.

Step 2:

Hang the luminaire on the back plate's integral hooks. This will support the luminaire for the remainder of the installation.

Step 3:

Secure the luminaire to the bracket by fastening two screws in the wiring compartment. Once secure, pull the wiring through the bottom of the luminaire and make the necessary wiring connections.

Step 4:

Tuck the wiring connections into the luminaire and install the easy-access panel to complete the installation.

KAX LED (Area)

KAX1LED

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
KAX1 LED	P1￼￼P2￼￼P3￼￼P4	30K 3000 K￼￼40K 4000 K￼￼50K 5000 K	R3 Type 3￼￼R4 Type 4￼￼R5 Type 5	MVOLT￼￼120￼￼208￼￼240￼￼277￼￼347￼￼480	**Shipped included**￼￼SPA Square pole mounting￼￼RPA Round pole mounting￼￼**Shipped separately**￼￼KMA Mast arm adaptor
KAX2 LED	P1￼￼P2￼￼P3				

Control options		Other options	Finish *(required)*
Shipped installed￼￼PER NEMA twist-lock receptacle only (no controls)￼￼PER5 Five-wire receptacle only (no controls)￼￼PER7 Seven-wire receptacle only (no controls)￼￼FAO Field adjustable output	PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc￼￼PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc	**Shipped installed**￼￼HS House-side shield￼￼SF Single fuse (120, 277, 347V)￼￼DF Double fuse (208, 240, 480V)￼￼TILT Tilt arm￼￼**Shipped separately**￼￼BS Bird spikes￼￼EGS External Glare Shield	DDBXD Dark bronze￼￼DBLXD Black￼￼DNAXD Natural aluminum￼￼DWHXD White￼￼DDBTXD Textured dark bronze￼￼DBLBXD Textured black￼￼DNATXD Textured natural aluminum￼￼DWHGXD Textured white

KAXW LED (Wall)

KAXW LED

Series	LEDs	Color temperature	Distribution	Voltage	Mounting	Control Options	Other Options	Finish *(required)*
KAXW LED	P1￼￼P2￼￼P3	30K 3000 K￼￼40K 4000 K￼￼50K 5000 K	R3 Type 3￼￼R4 Type 4	MVOLT￼￼120￼￼208￼￼240￼￼277￼￼347￼￼480	**Shipped included**￼￼(blank) Surface mounting bracket	**Shipped installed**￼￼PER NEMA twist-lock receptacle only (no controls)￼￼PER5 Five-wire receptacle only (no controls)￼￼PER7 Seven-wire receptacle only (no controls)￼￼PIR 180° motion/ambient light sensor, <15' mtg ht￼￼FAO Field Adjustable Output	**Shipped installed**￼￼SF Single fuse (120, 277 or 347V)￼￼DF Double fuse (208, 240 or 480V)￼￼HS House-side shield￼￼LCE Left Conduit Entry￼￼RCE Right Conduit Entry￼￼**Shipped separately**￼￼BSW Bird-deterrent spikes￼￼EGS External Glare Shield	DDBXD Dark bronze￼￼DBLXD Black￼￼DNAXD Natural aluminum￼￼DWHXD White￼￼DSSXD Sandstone￼￼DDBTXD Textured dark bronze￼￼DBLBXD Textured black￼￼DNATXD Textured natural aluminum￼￼DWHGXD Textured white￼￼DSSTXD Textured sandstone

See product spec sheets for full ordering information.