

KITTY HAWK

LED LIGHTING FOR AUTO DEALERSHIPS



Auto Dealership LED Lighting

Kitty Hawk Area, Flood and Wall Luminaires



L70
25°C 290,000 Hours

Auto Dealership Front Line Rotated Optics Configurations

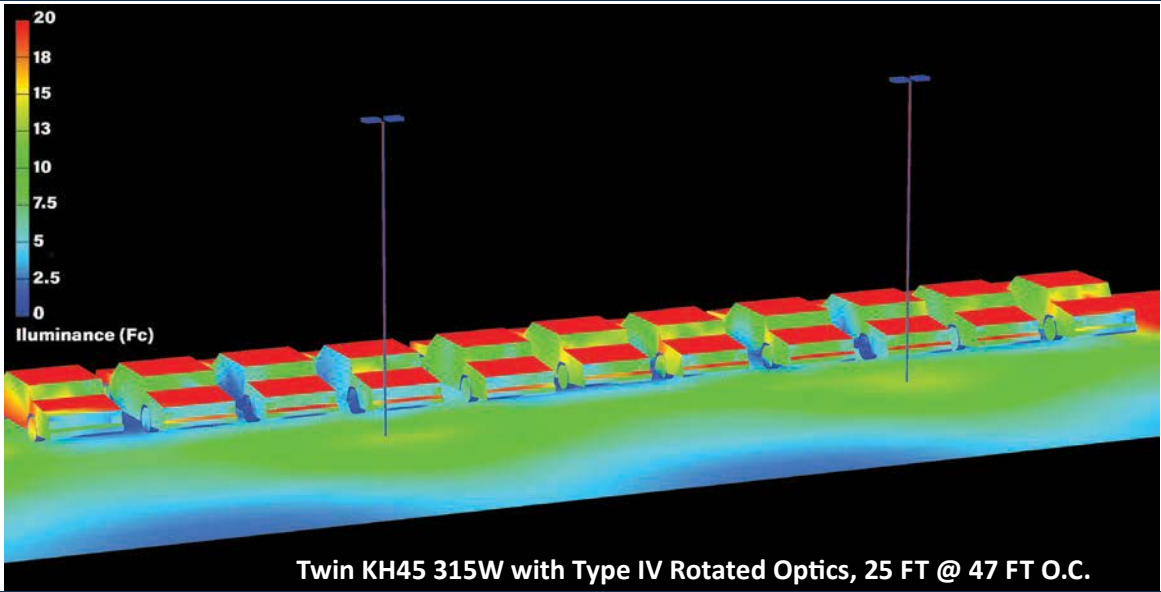
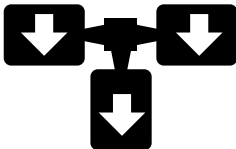
(Factory Configured Mounting Option)

- KH45Q Architectural Luminaires**
- Full Cut Off Optics control off site glare
 - Precision Rotated Optics provide bright and uniform light levels on the front line
 - Multiple optic choice allows matching aesthetics for all area lights throughout site
 - Full range of wattages and optics provide uniform lighting for all possible site conditions
 - IES Types I, II, III, IV, V, and narrow flood optics

TWIN @ 180° with Rotated Optics



TRIPLE @ 90° with Rotated Optics



Twin KH45 315W with Type IV Rotated Optics, 25 FT @ 47 FT O.C.

Specifications:

Housing: Die cast copper-free aluminum, no recycled content, automated silicone gaskets
Listing: CSA UL1598 Wet Location, IP66
Hardware: Nickel-Plated Stainless Steel hardware
Wattage: LED 99w-315w
LED Arrays: 100% pure aluminum circuit boards with conformal coating

Optics: IES Types I, II, III, IV and V, horizontal, wide and narrow beams, and Auto Dealership Front Line Rotated Right or Left
Driver: 120-277V, 50/60Hz or 347-480V, 50/60Hz; less than 20% THD and PF>0.90. Standard internal Surge Protection 6kV. 0-10V Dimming
Controls: Photocells, 3, 5 and 7-pin twist lock photocell receptacles, microwave or IR motion sensors

Lumen Output

KH45 - LUMEN OUTPUT Auto Rotated Optics (CxLD, CxRD, DxLD, DxRD)					
WATTAGE	LUMEN RANGE	WATTAGE	LUMEN RANGE	WATTAGE	LUMEN RANGE
225W Opt.	35,000-36,500	256W	35,500-37,000	272W	38,000-39,500
290W	40,000-42,000	315W	44,000-45,500	-	-
KH45 - LUMEN OUTPUT STANDARD OPTICS					
99W	12,500-14,500	111W	14,000-16,500	133W	17,000-19,500
136W Opt.	19,500-22,500	167W	21,000-24,500	183W	23,000-26,500
199W	25,000-29,000	225W Opt.	31,500-36,500	256W	32,000-37,500
272W	35,500-39,500	290W	36,000-42,000	315W	39,500-46,000



KH45Q - Wall Mount



KH45Q - Flood Light



Auto Dealership Recommended Light Levels



Complementary Lighting Products from LEDalux for a complete Auto Dealership Design



KH25Q
6,600-16,000 Lumens
Ground/Pole Accent
Floods Site Signage
Lighting



CP10Q
4,400-9,900 Lumens
Outside Show
Canopies Customer
Inspection Bay



WPC45Q
9,700-21,500 Lumens
Wall Mount Building
Perimeter



VGS40Q
4,900-10,200 Lumens
Garage Parking
Auto Storage



AFRC30Q
5,100-21,000 Lumens
Auto Showroom
Auto Service Bays

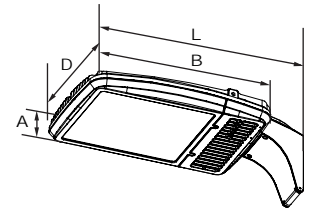
KH45 SERIES ORDERING GUIDE



Dimensions

Width (D)	15 1/2" (400mm)	
Length (B)	22" (559mm)	Length with Mount (L)
Height (A)	4" (102mm)	

Kitty Hawk Arm (KA): 27 1/2" (699mm)
Slipfitter (SF): 29 1/4" (743mm)
Mounting Arm Adaptor (MA): 26 1/8" (664mm)
Yoke (Y): 26 1/4" (667mm)
Bracket (BR): 25 3/4" (654mm)
Wall Mount Bracket (WM): 605mm (23 7/8")



KH45Q Auto Dealership Front Line Models

Order Information Example: ORDERING EXAMPLE: KH45QF1X315U5KCZKARDSP

Model	Optics/Beam	Wattage		Driver	CCT	Lens	Color	Mounting	Options
KH45Q=Large Kitty Hawk Area Light	C=Type III D=Type IV	1X256=256w 1X272=272w 1X290=290w 1X315=315w	OPTIMIZED 1X225=225w	U=120-277V H=347-480V	5K=5000K	C=Standard Clear Flat Glass Lens	Z=Bronze C=Custom (Consult Factory)	See Mounting Options Below	General Note Below - See Spec Pages for Options Ordering Logic

Mounting Ordering Options for Auto Dealership Front Line Models:

KARD=Kitty Hawk Arm, Optics Rotated Right Auto Dealership Mount
KALD=Kitty Hawk Arm, Optics Rotated Left Auto Dealership Mount
SFRD=Slipfitter, Optics Rotated Right Auto Dealership Mount

SFLD=Slipfitter, Optics Rotated Left Auto Dealership Mount
MARD=Mounting Arm Adapter, Optics Rotated Right Auto Dealership Mount
MALD=Mounting Arm Adapter, Optics Rotated Left Auto Dealership Mount

KH45Q Standard Models

Order Information Example: ORDERING EXAMPLE: KH45QF1X315U5KCZKASP

Model	Optics/Beam	Wattage		Driver	CCT	Lens	Color	Mounting	Options
KH45Q=Large Kitty Hawk Area, Wall, and Flood Light	A=Type I/NEMA 7H x 5V B=Type II/NEMA 7H x 6V C=Type III/NEMA 7H x 7V D=Type IV/NEMA 7H x 6V F=Type V/NEMA 7H x 7V I=Narrow Beam/NEMA 4H x 4V* *Use with 5K Models Only.	1X99=99w 1X111=111w 1X133=133w 1X167=167w 1X183=183w 1X199=199w 1X256=256w 1X272=272w 1X290=290w 1X315=315w	OPTIMIZED 1X136=136w 1X225=225w	U=120-277V H=347-480V	3K=3000K* 4K=4000K 5K=5000K *Only for C & F Optics.	C=Standard Clear Flat Glass Lens S=SoftLED Flat Glass Lens P=Clear Flat Prismatic Glass Lens* *Use with Type V Optic Only.	Z=Bronze C=Custom (Consult Factory)	KA=Kitty Hawk Arm SF=Slipfitter MA=Mounting Arm Adapter Y=Yoke BR=Two-Piece Swivel Bracket WM=Wall Mount Bracket NM=No Mount	General Note Below - See Spec Pages for Options Ordering Logic

NOTE: Options include Photocell control, sensor control, photocell receptacles, fusing and surge suppression (select models)

Mounting Options:



KH45Q with Kitty Hawk Arm (KA)

Kitty Hawk Die-Cast Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Mounts Directly to Square Poles. Replacement Model KH45AZ.



KH45Q with Pole Mounting Arm Adaptor (MA)

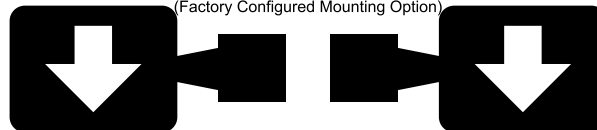
Die-Cast Adaptor for 2 3/8" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware. Replacement Model ALMAAZ.



KH45Q with "SF" External Mount Slipfitter (SF)

External Mount Die-Cast Adjustable Slipfitter for 2 3/8" Tenons, Bronze Powdercoat Finish, Includes Hardware. Replacement Model FL73SFZX.

Auto Dealership Front Line Rotated Optics
(Factory Configured Mounting Option)



Rotate OPTICS Left

Rotate OPTICS Right

Available for Kitty Hawk Arm (KALD, KARD); Mounting Arm Adapter (MALD, MARD); and Slipfitter (SFLD, SFRD) above



KH45Q with Yoke (Y)

Stamped Heavy-Duty Steel Yoke, Bronze Powdercoat Finish, Includes Hardware. Replacement Model KH45YZ.



KH45Q with Two-Piece Swivel Bracket (BR)

Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware. Replacement Model FL73BRZ.



KH45Q with Wall Mount (WM)

Wall Bracket, Heavy-Duty Stamped Steel, Bronze Powdercoat Finish, Includes Hardware. Replacement Model WBR2Z.