

# KITTY HAWK

LED Lighting for Auto Dealerships



***DuraGuard***  
PRODUCTS INC.®  
A QSSI Company

# Auto Dealership LED Lighting

Kitty Hawk Area, Flood and Wall Luminaires



**L70**  
25°C

**290,000**  
Hours

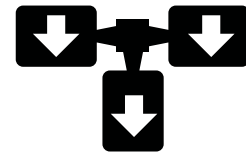


## Auto Dealership Front Line Rotated Optics Configurations (Factory Configured Mounting Option)

TWIN @ 180° with Rotated Optics



TRIPLE @ 90° with Rotated Optics



**KH45Q**  
Wall Mount

**KH45Q**  
Flood Light

### 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

### 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-256w

**LED Arrays:** 100% pure aluminum circuit boards with conformal coating

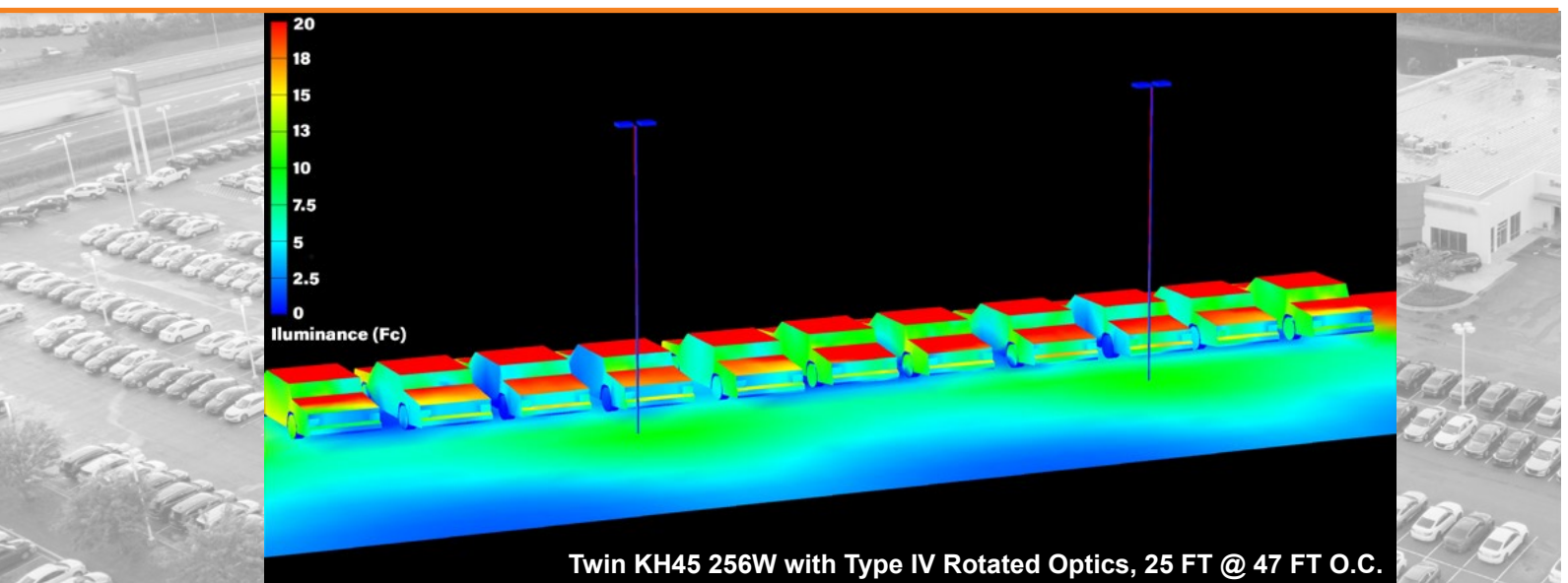
**Optics:** IES Types I, II, III, IV and V, horizontal, wide and narrow beams, and Auto Dealership Front Line Rotated Right or Left

**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

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	-	-

KH45 - LUMEN OUTPUT Standard Optics					
Wattage	Lumen Range	Wattage	Lumen Range	Wattage	Lumen Range
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



# Auto Dealership Recommended Light Levels

# LEDicated

Designed **SPECIFICALLY** for LED



Complementary Lighting Products from DuraGuard for a complete Auto Dealership Design

**Ground/Pole Accent Floods  
Site Signage Lighting**



**KH25Q**  
6,600-16,000 Lumens

**Outside Show Canopies  
Customer Inspection Bay**



**CP10Q**  
4,400-9,900 Lumens

**Wall Mount Building  
Perimeter**



**WPC45Q**  
9,700-21,500 Lumens

**Garage Parking  
Auto Storage**

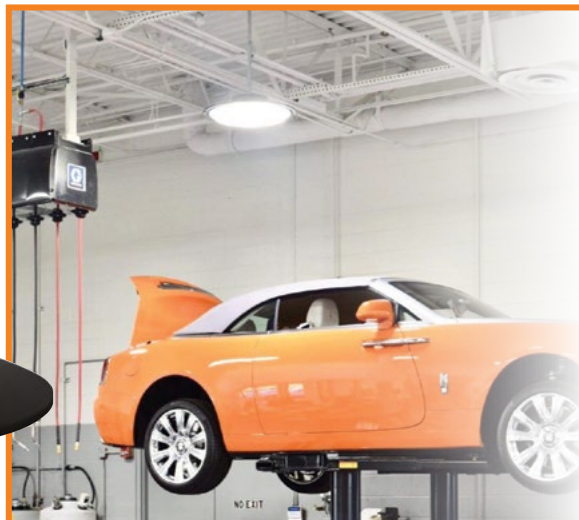


**VGS40Q**  
4,900-10,200 Lumens

**Auto Showroom  
Auto Service Bays**



**AFRC30Q**  
5,100-21,000 Lumens



Refer to Specification Page for specific DLC certified Products.

KITTY HAWK MOUNTING OPTIONS:



**KH45Q Shown with "KH45A" Kitty Hawk Arm,** Kitty Hawk Die-Cast Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Mounts Directly to Square Poles. Replacement Model KH45AZ.



**KH45Q Shown with "ALMAA" Pole Mounting Arm Adaptor,** Die-Cast Adaptor for 2 1/2" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware. Replacement Model ALMAAZ.



**KH45Q Shown with "SSF" External Mount Slipfitter,** External Mount Die-Cast Adjustable Slipfitter for 2 1/2" 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 Adaptor (MALD, MARD); and Slipfitter (SFLD, SFRD) above



**KH45Q Shown with "KH45Y" Yoke,** Stamped Heavy-Duty Steel Yoke, Bronze Powdercoat Finish, Includes Hardware. Replacement Model KH45YZ.



**KH45Q Shown with "SSB" Two-Piece Swivel Bracket,** Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware. Replacement Model FL73BRZ.



**KH45Q Shown with "WM" Wall Mount Bracket,** Wall Bracket, Heavy-Duty Stamped Steel, Bronze Powdercoat Finish, Includes Hardware. Replacement Model WBRZZ

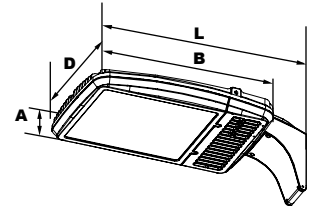
KITTY HAWK SERIES ORDERING GUIDE



**Dimensions**

<b>Width (D)</b>	15 1/2" (400mm)	<b>Length with Mount (L)</b>
<b>Length (B)</b>	22" (559mm)	
<b>Height (A)</b>	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 1/4" (654mm)
- Wall Mount Bracket (WM):** 605mm (23 1/4")



**KH45Q AUTO DEALERSHIP FRONT LINE MODELS**

**Order Information Example:**

**KH45QF1X2565KCZKARDSP**

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

**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:**

**KH45QF1X2565KCZKASP**

Model	Optics/Beam	Wattage	Driver	3K	4K	5K	CCT	Lens	Color	Mounting	Options
<b>KH45Q</b>											
<b>KH45Q</b> =Large Kitty Hawk Area, Wall, and Flood Light	<b>A</b> =Type I/NEMA 7H x 5V <b>B</b> =Type II/NEMA 7H x 6V <b>C</b> =Type III/NEMA 7H x 7V <b>D</b> =Type IV/NEMA 7H x 8V <b>F</b> =Type V/NEMA 7H x 7V <b>I</b> =Narrow Beam/NEMA 4H x 4V*  *Use with 5K Models Only.	<b>1X99</b> =99w <b>1X111</b> =111w <b>1X133</b> =133w <b>1X167</b> =167w <b>1X183</b> =183w <b>1X199</b> =199w <b>1X256</b> =256w  <b>OPTIMIZED 1X136</b> =136w <b>1X225</b> =225w	<b>U</b> =120-277V <b>H</b> =347-480V	<b>3K</b> =3000K* <b>4K</b> =4000K <b>5K</b> =5000K				<b>C</b> =Standard Clear Flat Glass Lens <b>S</b> =SoftLED Flat Glass Lens <b>P</b> =Clear Flat Prismatic Glass Lens*  *Only for C & F Optics.  *Use with Type V Optic Only.	<b>Z</b> =Bronze <b>C</b> =Custom (Consult Factory)	<b>KH45A</b> =Kitty Hawk Arm <b>SSF</b> = Slipfitter <b>ALMAA</b> = Mounting Arm Adaptor <b>KH45Y</b> =Yoke <b>SSB</b> =Two-Piece Swivel Bracket <b>WM</b> =Wall Mount Bracket <b>NM</b> =No Mount	<b>General Note Below - See Spec Pages for Options Ordering Logic</b>

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



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