WAT

WHELEN AEROSPACE TECHNOLOGIES

TOP PRODUCTS

HID PRODUCTS

LED PRODUCTS

WHELEN AEROSPACE TECHNOLOGIES

Whelen Aerospace Technologies (WAT) specializes in creating customized lighting solutions for aircraft utilizing LED and HID technology. All products are designed, engineered, and manufactured for optimal safety and visibility.

The right lighting for every aircraft.

Our LED and HID lighting technologies provide the optimal lighting for any aircraft.
LED's are the perfect source for position, anti-collision, and recognition lights. Compared to halogen and xenon strobe lighting technology, LED's are longer-lasting, more energy-efficient, and brighter.
HID's are the best solution for landing and taxi lights. HID lighting is 5x brighter than LED lighting and also offers low current draw, low heat output, and long life.

Increased visibility.

Combining LED and HID technologies creates the most visible aircraft. We specialize in creating a customized mixture of lighting technologies to best suit your aircraft.

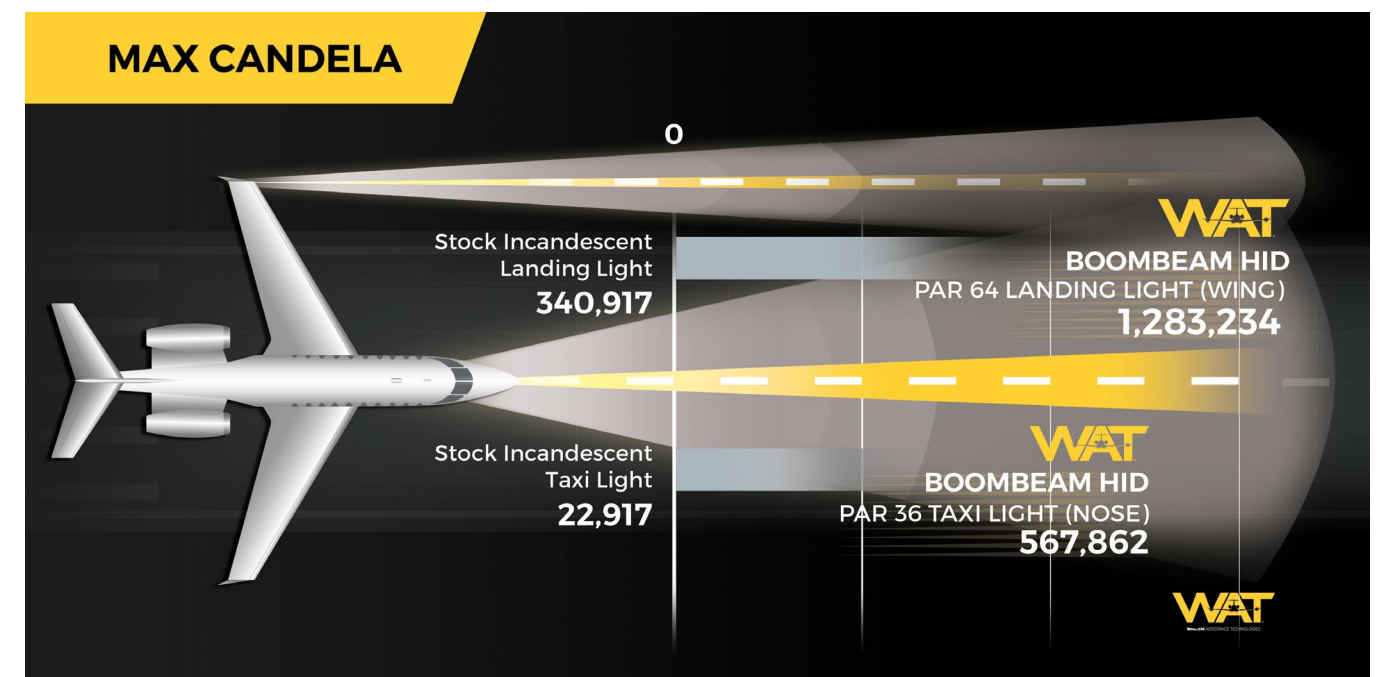## Our HID Lighting System provides our customers with:

Greater Safety of Operations - The pilot can maintain greater situation awareness by being able to see more (taxi operations and takeoff/landing operations). Pilots of other aircraft are better able to see your airplane and help ensure separation of traffic. Our HID lights are 10 times brighter than the stock lighting your aircraft came from the factory with.
Reliability and Cost - The HID lighting system consumes less power and produces less heat than the stock incandescent or LED solutions. This reduction lowers the stress on several components, which will equate to longer service life for all these critical systems and components. With dual/triple/quad redundant lights in each housing, you will have higher reliability and performance than your airplane has with factory installed lighting.
Superior Customer Support – Our HID Lighting Systems has been certified on hundreds of Part 23 and Part 25 aircraft.   The experience that Whelen Aerospace Technologies has with customers depending on high dispatch reliability, ensures that your mission will be supported every time you start your engine. Our Five-Year Warranty is our commitment to you that we will be here to serve your needs.

- Produces 5 times more light, engineered specially for each model aircraft.
  - Increases safety, see and be seen
  - Reduces electrical load and heat output
  - Increased Reliability
- 5 year/ 5,000 hr. warranty, proven system based on time-tested components
  - FAA, STC, PMA, ANAC, INAC, EASA, and Transport Canada approved for hundreds of make/models of aircraft
  - Thousands of installations worldwide
 - Global Reseller Network

MAX CANDELA

0

Stock Incandescent Landing Light
340,917

WAT BOOMBEAM HID
PAR 64 LANDING LIGHT (WING)
1,283,234

Stock Incandescent Taxi Light
22,917

WAT BOOMBEAM HID
PAR 36 TAXI LIGHT (NOSE)
567,862

GULFSTREAM - LARGE CABIN

GULFSTREAM - MID CABIN

	PART NUMBER	MODELS	DESCRIPTION	PRICE	APPROVALS
A	LSM-500-103		Wing landing lights pair of dual HID light arrays.	$14,995	FAA/ STC, EASA APPROVED
B	LSM-500-104	Gulfstream 100, Gulfstream 200, Gulfstream G150, Gulfstream G280, Astra SPX, Galaxy	Nose gear taxi light kit. Pair of 85W HID taxi lights.	$8,995	FAA/ STC, EASA APPROVED
C	LSM-SCD-039-1 (2)		Pair of Parmetheus™ Pro par 46 drop in wing LED Landing Lights	$3,697	FAA/ STC, EASA APPROVED
C	LSM-SCD-042-1 (2)		Pair of Parmetheus™ Pro par 36 drop in nose gearLED taxi Lights	$3,497	FAA/ STC, EASA APPROVED
C	LSM-SCD-039-1 (2) LSM-SCD-042-1 (2)		Pair of Parmetheus™ Pro par 36 and par 46 wing and nose drop in LED Lights	$4,695	FAA/ STC, EASA APPROVED
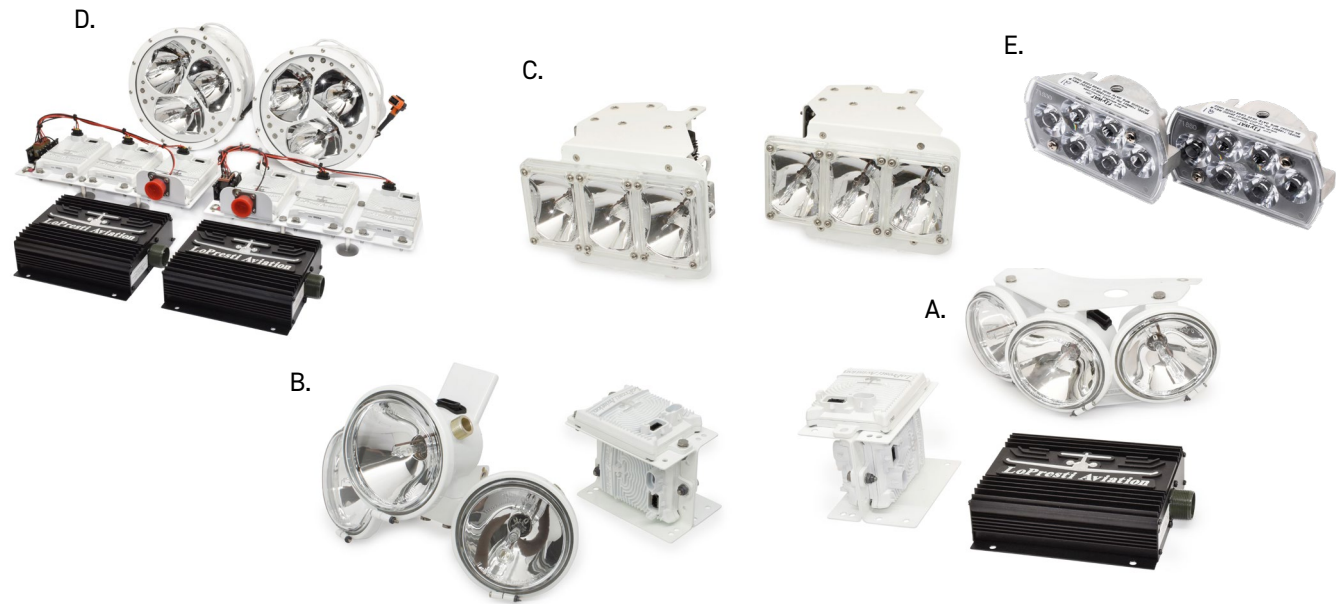
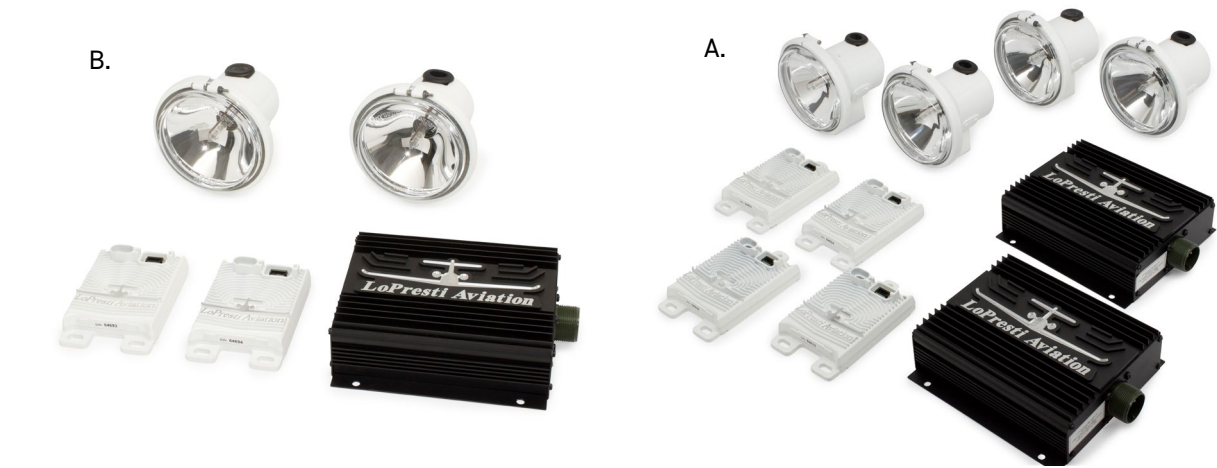|	PART NUMBER	MODELS	DESCRIPTION	PRICE	APPROVALS
A	LSM-500-125-1	Gulfstream G-1159, G-1159 Gulfstream II, G-1159A Gulfstream III, G-1159B Gulfstream G-IIB, G-IV (G300, G400)	Nose gear taxi light assembly (set of 3).	$16,995	FAA/ STC, EASA APPROVED
B	LSM-500-125-3	GV, GV-SP (G500, G550), GIV-X (G350, G450)	Nose gear taxi light assembly (set of 3).	$16,995	FAA/ STC, EASA APPROVED
C	LSM-500-126-1	Gulfstream G-1159, G-1159 Gulfstream II, G-1159A Gulfstream III, G-1159B Gulfstream G-IIB, G-IV (G300, G400), GIV-X (G350, G450)	Wing landing light set of triple HID light arrays.	$29,995	FAA/ STC, EASA APPROVED
D	LSM-500-126-3	GV, GV-SP (G500, G550)	Wing landing light set of triple HID light arrays.	$29,995	FAA/ STC, EASA APPROVED
E	WAT-025-101	LED Wingtip Flood Lights.	LED Wingtip Flood Lights.	$3,995	FAA/ STC,APPROVED
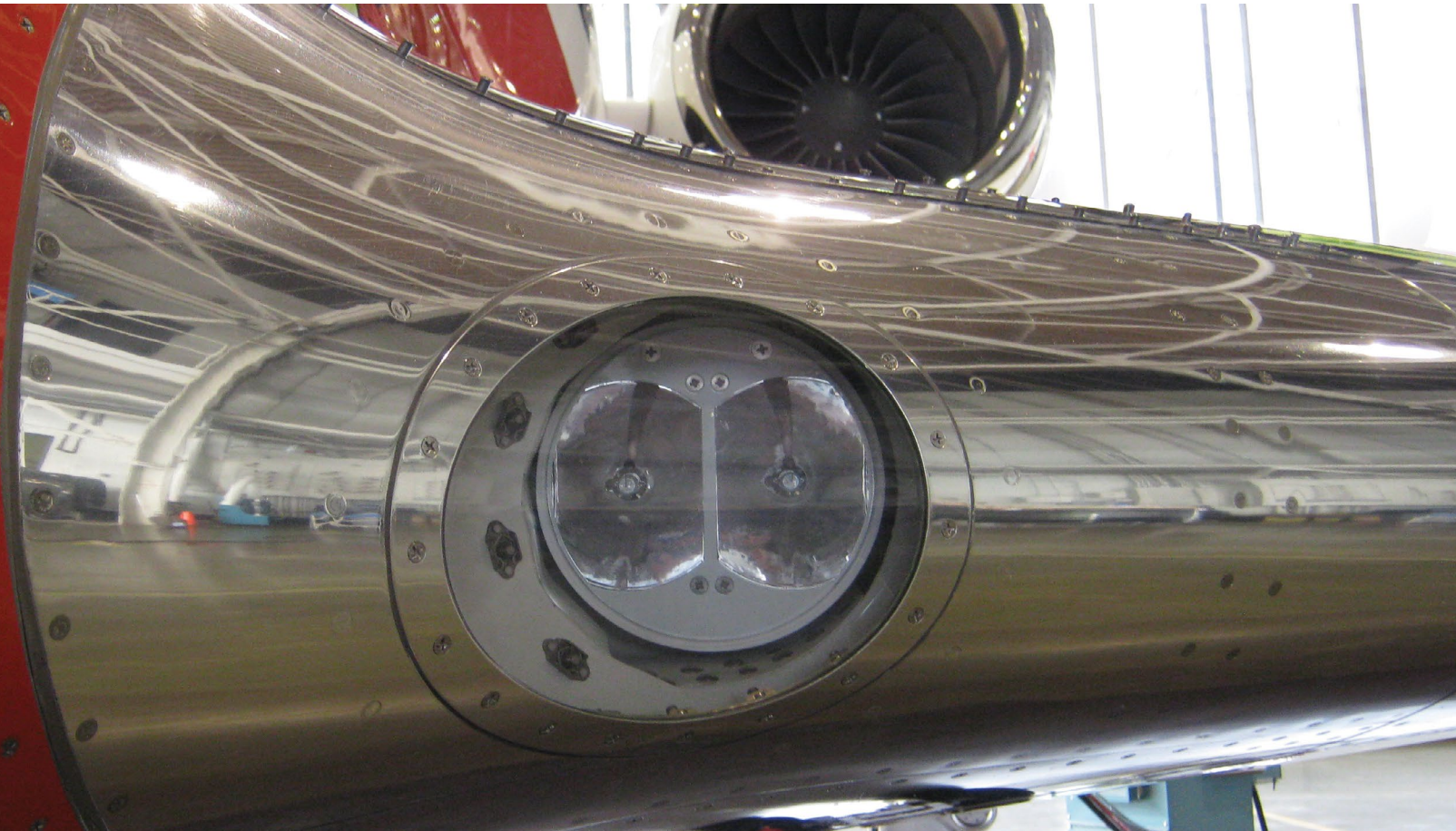
BOMBARDIER - GLOBAL

B.

C.

A.
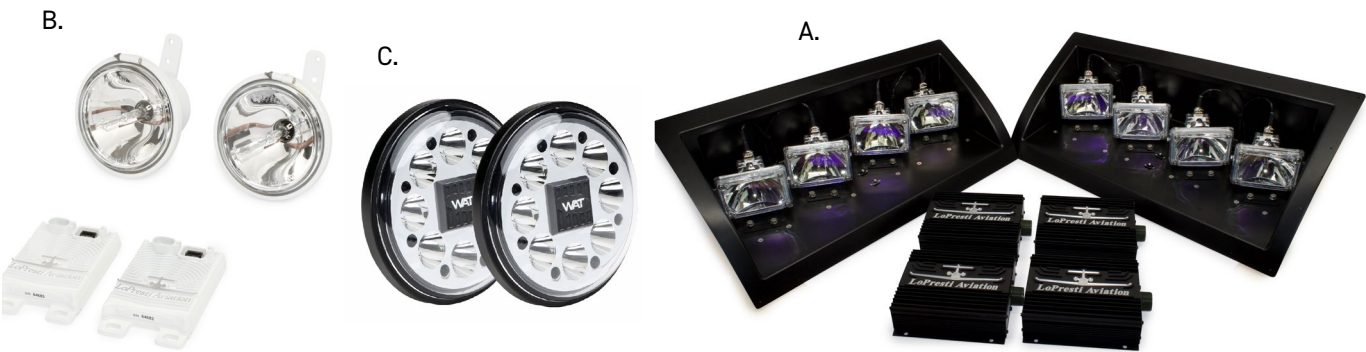
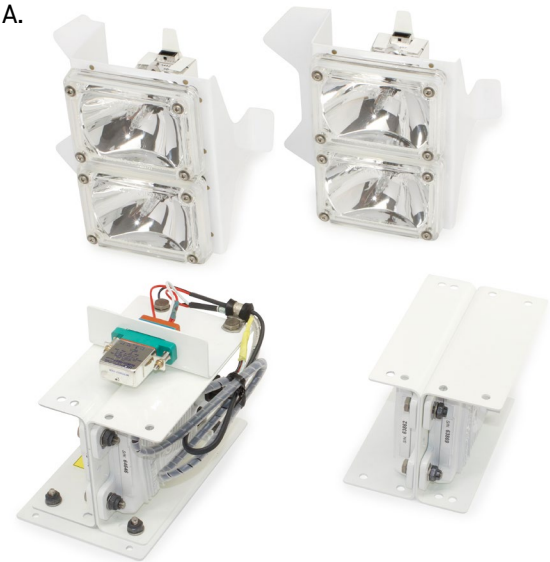|	PART NUMBER	MODELS	DESCRIPTION	PRICE	APPROVALS
A	LSM-500-111		Wing landing & taxi lights. Two 85w quad light array assemblies.	$39,995	FAA/ STC, EASA APPROVED
B	LSM-500-137	BD-700-1A10 (Global Express, Global 6000) BD-700-1A11 (Global Express, Global 5000)	Nose gear taxi lights. Comes with two new 85w HID taxi light assemblies.	$14,995	FAA/ STC, EASA APPROVED
C	LSM-SCD-042-1		Drop in Replacement Parmetheus™ Pro LED nose gear taxi lights. STC Approved.	$3,497	FAA/ STC, EASA APPROVED

BOMBARDIER - CHALLENGER 600

B.

A.

	PART NUMBER	MODELS	DESCRIPTION	PRICE	APPROVALS
A	LSM-500-108	CL-600-1A11 (CL-600) CL-600-2A12 (CL-601) CL-600-2B16 (CL-601-3A Variant)	Wing landing & taxi lights. Comes with four new 85w HID light assemblies.	$29,995	FAA/ STC, EASA APPROVED
B	LSM-500-109	CL-600-2B16 (CL-601-3R Variant) CL-600-2B16 (CL-604 Variant) CL-600-2B19 (Regional Jet Series 100 & 440)	Nose taxi lights. Comes with two new 85w HID taxi light assemblies.	$14,995	FAA/ STC, EASA APPROVED

BOMBARDIER - CHALLENGER 300

A.

B.

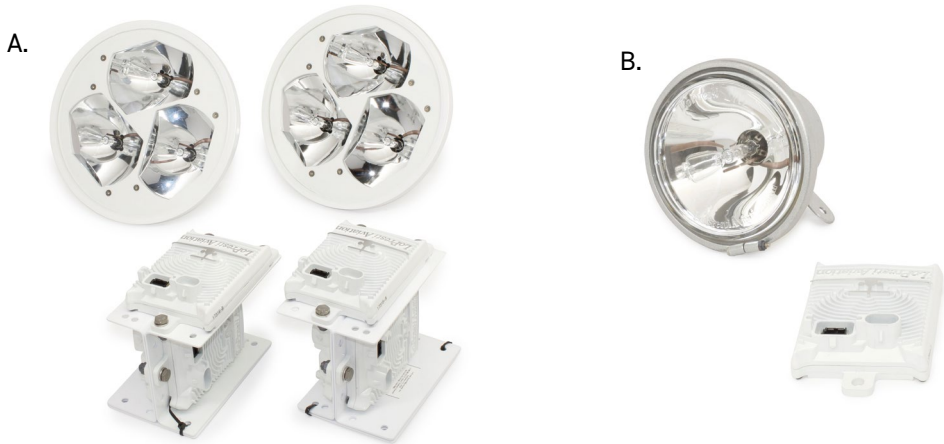|	PART NUMBER	MODELS	DESCRIPTION	PRICE	APPROVALS
A	LSM-500-119	BD-100-1A10 (CHALLENGER 300, 350)	Wing landing lights. Dual HID light array for each wing. Offered with or without pulse	With Pulse Light Option $19,995 Without Pulse Light Option $16,995	FAA/ STC, EASA APPROVED
B	LSM-SCD-042-1		Drop in Replacement Parmetheus™ Pro LED nose gear taxi lights..	$3,497	FAA/ STC, EASA APPROVED

BOMBARDIER - LEARJET

C.

B.

D.

A.

E.
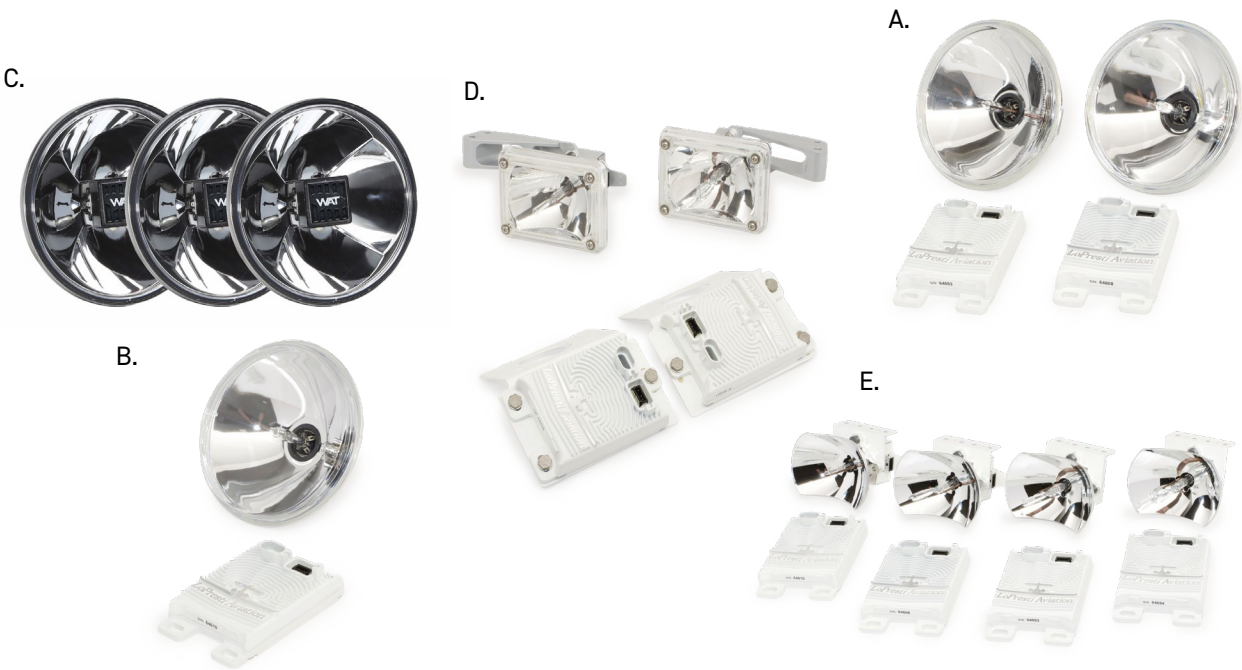
	PART NUMBER	MODELS	DESCRIPTION	PRICE	APPROVALS
A	LSM-500-072	24, 24A, 24B, 24B-A, 24C, 24D, 24D-A, 24E, 24F, 24FA, 25, 25A, 25B, 25C, 25D, 25F, 31, 31A, 35, 35A (C-21A), 36, 36A, 55, 55B, 55C, 60	Kit. Pair of HID Par 46 Main Gear Landing Lights.	$8995	FAA/ STC, EASA APPROVED
B	LSM-500-120		Kit. Par 46 LED Tail Recognition Light.	$3,995	FAA/ STC, EASA APPROVED
C	LSM-SCD-039-1 (2)		Pair Par 46 Parmetheus™ Pro LED Main Gear Landing Lights.	$3697	FAA/ STC, EASA APPROVED
C	LSM-SCD-039-1 (1)		Single Par 46 Parmetheus™ Pro LED Tail Recognition Light.	$3098	FAA/ STC, EASA APPROVED
C	LSM-SCD-039-1 (3)		Kit. 3 Parmetheus™ Pro LED Lights for both main gear and tail recognition.	$4296	FAA/ STC, EASA APPROVED
D	LSM-500-072-9	45	Main gear landing light kit. Pair of rectangular main gear landing lights.	$8995	FAA/ STC, EASA APPROVED
E	LSM-500-121		Belly landing and recognition lights. Set of 4 85w HID reflectors that fit in existing housing.	$14,995	FAA/ STC, EASA APPROVED

DASSAULT - FALCON

	PART NUMBER	MODELS	DESCRIPTION	PRICE	APPROVALS
A	LSM-500-107	8X, 7X, 50, 900, 900EX (Also applies to 900B, 900C, 900DX, 900LX) 2000, 2000EX (Also applies to 2000LDX, 2000EX EASY, 2000LXS)	Wing landing lights triple HID light array for each wing	$20,995	FAA/ STC, EASA APPROVED
B	LSM-500-112		Nose taxi light single 85w HID	$8,995	FAA/ STC, EASA APPROVED

BOEING - 737

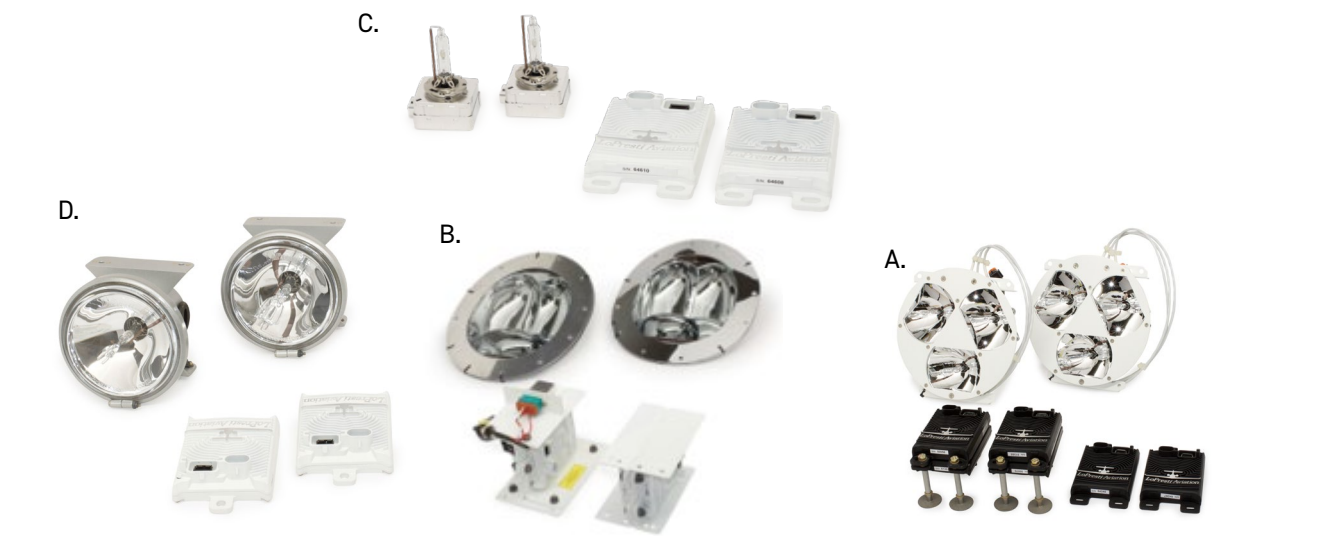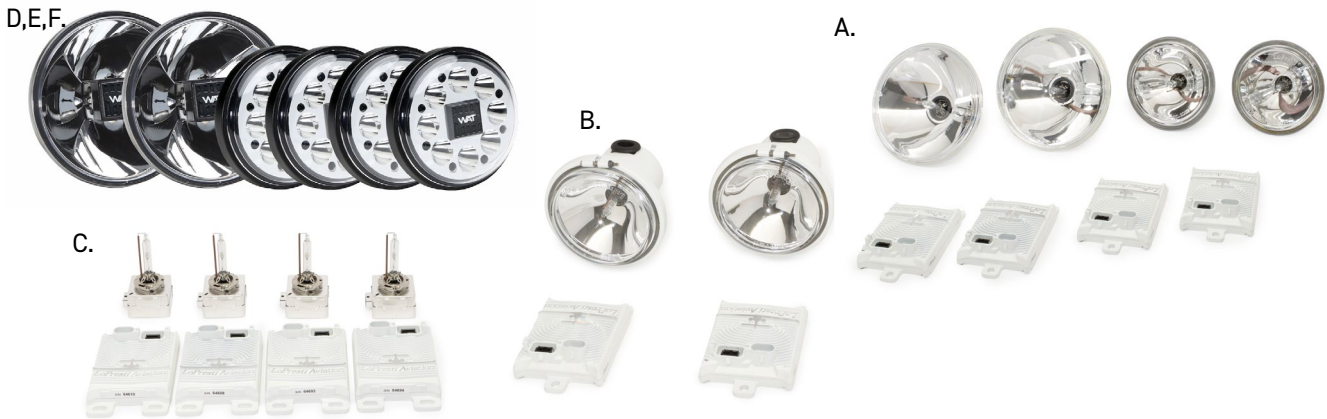|	PART NUMBER	MODELS	DESCRIPTION	PRICE	APPROVALS
A	LSM-500-139	737-600/-700/-800/-900	Wing mounted landing lights. Pair of 85w HID triple light arrays.	$39,995	FAA/ STC,APPROVED

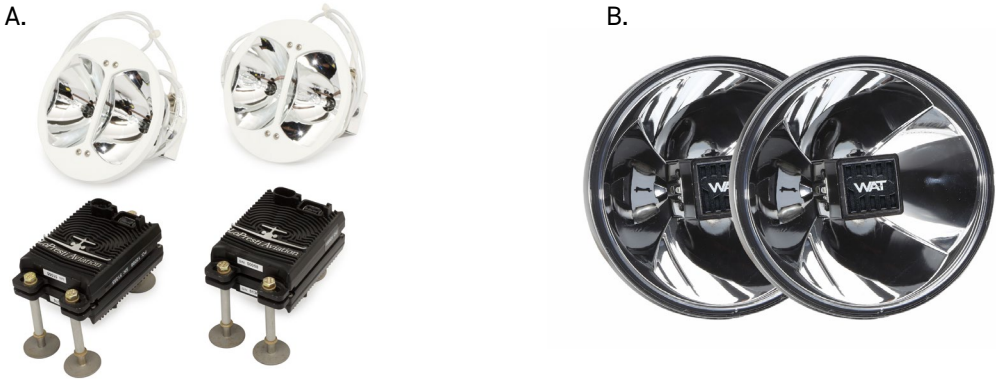|	PART NUMBER	MODELS	DESCRIPTION	PRICE	APPROVALS
A	LSM-500-066	500, 501, 550, 551 & S550	Main gear landing light kit. Pair of par 46 light house assemblies.	$8,995	FAA/ STC, EASA APPROVED
B	LSM-500-078	550 (550-0801 through 550-1136), 560 (560-0539 through 560-0750), 560+ (560-0751 & on), 650	Main gear landing light kit. Pair of par 46 or 36 light house assemblies.	$8,995	FAA/ STC, EASA APPROVED
C	LSM-500-076	S550, 550, 550 Bravo, 560, 560XL Excel (S/N 560-5001 through 560-5372), XLS (S/N 560-5501 through 560-6000), XLS+ (S/N 560-6001 and Subs)	Wing landing and taxi light kit. Pair of HID wing landing and taxi lights.	$10,995	FAA/ STC, EASA APPROVED
D	LSM-500-099-7	525, 525A, 525B (S/N 525-0001 through 525-0679, 525A-0001 through 525A-0416, 525B-0001 through 525B-0262, 525B-0264 through 525B-0293)	Wing fairing landing light kit. Pair of HID dual light assemblies.	$8,995	FAA/ STC, EASA APPROVED
E	LSM-SCD-042-1 (2)	550 BRAVO SN: 550-0801 AND UP. 560 ENCORE SN: 560-0539 THRU 560-0750. 560 ENCORE + SN: 560-0751 THRU 560-5000.	Pair of par 36 Parmetheus™Pro LED main gear landing lights	$3,497	FAA/ STC, EASA APPROVED
F	LSM-SCD-039-1 (2)	500, 550, S550, 560 (CITATION V) SN: 560-0001 THRU 560-0259, 560 (ULTRA) 560-0260 THRU 560-0538. MODELS 525, 525A, 525B (S/N 525-0001 THRU 525-0679, 525-0681 THRU 525-0684, 525A-0001 THRU 525A-0416, 525A-0418 THRU 525A-0438 525B-0001 THRU 525B-0262, 525B-0264 THRU 525B-0293)	Pair of par 46 Parmetheus™Pro LED main gear landing lights	$3,697	FAA/ STC, EASA APPROVED
G	LSM-500-101-9	680, 680A	Wing root landing lights. Pair of HID dual light array wing lights.	$15,495	FAA/ STC, EASA APPROVED
H	LSM-500-101-11	750	Wing root landing lights. Pair of HID dual light array wing lights.	$15,495	FAA/ STC, EASA APPROVED

	PART NUMBER	MODELS	DESCRIPTION	PRICE	APPROVALS
A	LSM-500-099-9	560XL Landing Lights Excel (S/N 560-5001 through 560-5372), XLS (S/N 560-5501 through 560-6000), XLS+ (S/N 560-6001 and Subs)	Wing fairing landing light kit. Pair of HID triple light assemblies.	$11,995	FAA/ STC, EASA APPROVED
B	LSM-500-117-1	510, 525, 525A, 525B	Pair of dual HID light array belly pod assemblies.	$14,995	FAA/ STC, EASA APPROVED
C	LSM-500-117-5	510	Quick install kit re-lamp and re-ballast stock belly pod.	$8,995	FAA/ STC, EASA APPROVED
D	LSM-500-100	680, 680A & 750	Nose gear taxi light kit. Pair of new 85w HID taxi lights.	$9,995	FAA/ STC, EASA APPROVED

TEXTRON - HAWKER

	PART NUMBER	MODELS	DESCRIPTION	PRICE	APPROVALS
A	LSM-500-042	750 / 800 / 800XP / 850XP / 900XP / 1000	Wing landing and taxi light kit. Pair of par 36 wing taxi lights. Pair of par46 wing landing lights.	$14,995	FAA/ STC, EASA APPROVED
B	LSM-500-047	700/ 750 / 800 / 800XP / 850XP / 900XP	Nose taxi light kit. Pair of par36 nose taxi lights.	$10,995	FAA/ STC, EASA APPROVED
C	LSM-500-136	4000	Quick install kit re-lamp and re-ballast stock belly pod	$15,995	FAA/ STC, EASA APPROVED
D	LSM-SCD-042-1 (2)	700/ 750 / 800 / 800XP / 850XP / 900XP	Pair Par 36 Parmetheus™ Pro LED Nose Lights.	$3,697	FAA/ STC, EASA APPROVED
E	LSM-SCD-039-1 (2) LSM-SCD-042-1 (2)		Pair Par 36 & 46 Parmetheus™ Pro LED Wing Lights.	$4,695	FAA/ STC, EASA APPROVED
F	LSM-SCD-042-1 (4) LSM-SCD-039-1 (2)		LED Kit 4 Parmetheus™ Pro LED wing lights and 2 Parmetheus™ Pro nose lights.	$5,893	FAA/ STC, EASA APPROVED

TEXTRON - PREMIER JET

	PART NUMBER	MODELS	DESCRIPTION	PRICE	APPROVALS
A	LSM-500-110	390	Belly landing light kit. Pair of HID dual light array assemblies.	$8,995	FAA/ STC, EASA APPROVED
B	LSM-SCD-039-1 (2)		Pair of par 46 Parmetheus™Pro LED main gear landing lights	$3,697	FAA/ STC, EASA APPROVED

AVAILABLE AT
KADEX

TEXTRON - KING AIR

	PART NUMBER	MODELS	DESCRIPTION	PRICE	APPROVALS
A	LSM-500-027	(all King Air models)	Nose gear landing and taxi lights. Set of 3.	$8,995	FAA/ STC, EASA APPROVED
B	LSM-500-114	200, B300, B300C	Wing recognition lights. Set of 2.	$4,995	FAA/ STC, EASA APPROVED
C	LSM-SCD-042-1	(all King Air models)	Parmetheus™ Pro LED Par 36 Drop in replacement.	Contact Reseller	FAA/ STC, EASA APPROVED
D	01-0772102()		Parmetheus™ G3 LED Par 36 Drop in replacement.	Contact Reseller	FAA/ STC, APPROVED
E	01-0790777()	Visit Website for specifications	Wingtip LED Position / Anti-Collision Light with Recognition Light	Contact Reseller	FAA/ STC APPROVED if Purchased thru Kadex Aero Supply
F	01-0790852()	Visit Website for specifications	LED Anti-collision light	Contact Resellers	FAA TSO-C96a Class III

TEXTRON - CARAVAN

	PART NUMBER	MODELS	DESCRIPTION	PRICE	APPROVALS
A	LSM-500-040		Landing and taxi light installation kit. Pair of Par46 HID landing lights. Pair of Par36 taxi lights.	$8,995	FAA/ STC, EASA APPROVED
B	LSM-SCD-042-1 (2) LSM-SCD-039-1(2)		Parmetheus™ Pro Par 36 & 46 LED wing drop in replacement lights	Contact Reseller	FAA/ STC, EASA APPROVED
C	01-0772010-()	208, 208A, 208B	Oion™ 360 LED Tail Beacon	Contact Reseller	TSO-C96a Class III / STC Approved
D	01-0790613-()		Wingtip position anti-collision LED	Contact Reseller	FAA - TSO/STC Approved
E	01-0771554-()		LED Tail Position Light	Contact Reseller	STC / TSO/ETSO-C30c Type III

EMBRAER - PHENOM

	PART NUMBER	MODELS	DESCRIPTION	PRICE	APPROVALS
A	LSM-500-129-1	EMB-505 (Phenom 300)	Complete new pod set. Comes with (2) new dual light landing light pods, and (2) new single taxi light pod	$31,995	FAA/ STC, EASA APPROVED
B	LSM-500-129-3	EMB-505 (Phenom 300)	New single taxi light pods only.	$9,995	FAA/ STC, EASA APPROVED
C	LSM-500-129-5	EMB-505 (Phenom 300)	New dual light landing pods only.	$24,995	FAA/ STC, EASA APPROVED
D	LSM-500-129-7 LSM-500-129-9 LSM-500-129-11	EMB-505 (Phenom 300)	Pulselite controller installation kit.	$9,999	FAA/ STC, EASA APPROVED
E	LSM-500-129-21	EMB-505 (Phenom 300)	Phenom 300 Quick-Install kit. New hi powered lamps and 85w ballasts.	$15,995	FAA/ STC, EASA APPROVED
F	LSM-500-138-1	EMB-500 (Phenom 100)	Phenom 100 Quick-Install kit. New hi powered lamps and 85w ballasts.	$9,995	FAA/ STC, EASA APPROVED

PILATUS - PC-12

	PART NUMBER	MODELS	DESCRIPTION	PRICE	APPROVALS
A	LSM-500-075		Main gear landing light kit. Comes with two new 85w Par36 landing lights.	$5,495	FAA/ STC, EASA APPROVED
B	LSM-500-097	PC-12, PC-12/45, PC-12/47, PC-12/47E	Wing recognition light kit. Comes with two 85w Par36 recognition lights.	$5,495	FAA/ STC, EASA APPROVED
C	LSM-SCD-042-1		Parmetheus™ Pro Par36 LED Drop in Replacement	Contact Reseller	FAA/ STC, EASA APPROVED
D	01-0790852-5D	Contact Us	LED Anti-collision light 5 hole mount RED (Lower Mount)	Contact Reseller	FAA TSO-C96a Class III
E.	01-0772102- ()	Contact Us	Parmetheus™ G3 Par 36 Landing or Taxi Light	Contact Reseller	FAA STC, APPROVED

PARMETHEUS™ PRO - PAR 36 & PAR 46 LED
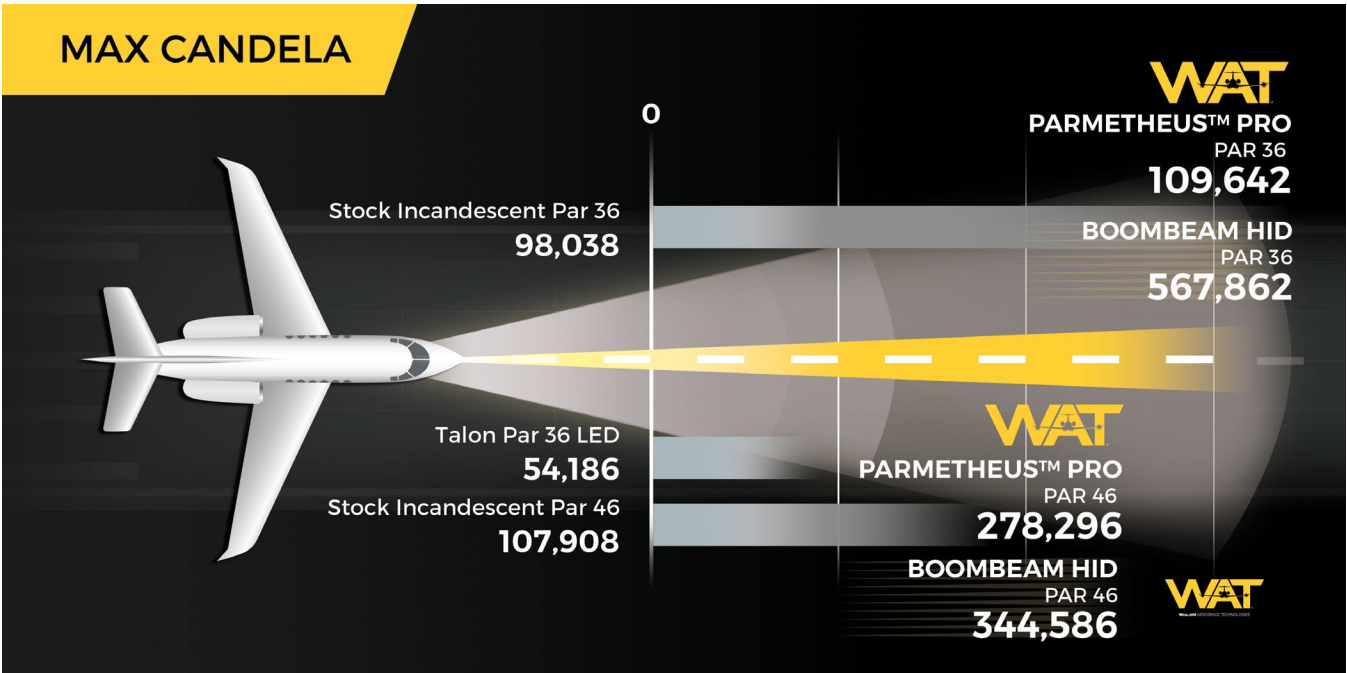
AVIATION'S BRIGHTEST LED

- FAA STCs included for piston and turboprop aircraft.
- Jet STCs are available at an additional cost
- "Drop-In" design offers easy installation and maintenan
- Power wiring attaches to brass screw terminals
- LED Retrofit for PAR-36 or PAR-46 halogen lamps
- Five year warranty
- Simple drop-in installation
- 60-day product buyback
- Patented technology
- **500+ FAA STCs available**

LANDING LIGHT P36PRO

Part#	Model/Description
LSM-SCD-039-1	Parmetheus PRO PAR46 LED Landing Light
LSM-SCD-042-1	Parmetheus PRO PAR36 LED Landing Light

MAX CANDELA

PARMETHEUS™ PRO PAR 36
109,642

Stock Incandescent Par 36
98,038

BOOMBEAM HID PAR 36
567,862

Talon Par 36 LED
54,186

Stock Incandescent Par 46
107,908

PARMETHEUS™ PRO PAR 46
278,296

BOOMBEAM HID PAR 46
344,586

90724 SERIES- LED BEACON (PENDING STC APPROVAL)

Model 90724 Series is a self-contained LED anti-collision beacon. It's solid-state circuitry and LED light source obsolete the "old style" mechanical oscillating beacons as well as the Whelen 90044 Series quartz halogen flashing beacons. Benefits include no moving parts, no EMI/RFI, no inrush current spikes and crisp on off cycles. There are several models available to provide compatibility with existing mounting patterns and profiles, thus eliminating the need to alter the aircraft.

Drawing #: 90724
Weight: 1.8 lbs. (816gm) (unless otherwise noted)
Current Draw: 0.45 amps @ 28 VDC
Anti-Collision LED Color: Aviation Red
Lens: Clear Glass

LEGACY 90044 SERIES
For Reference Only
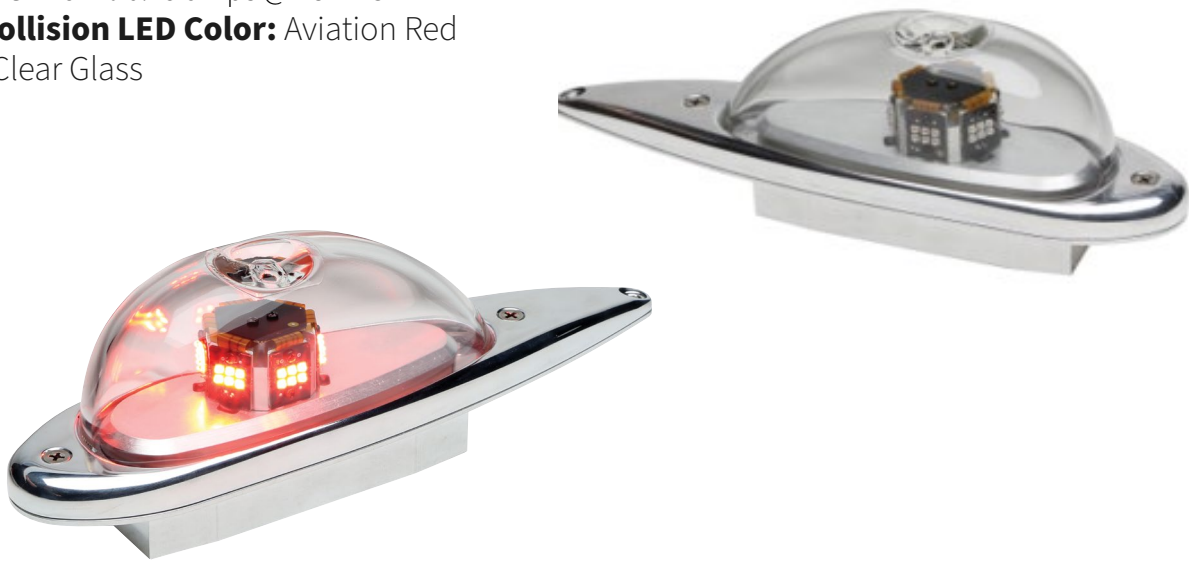
MODEL	PART#	DESCRIPTION	DIMENSIONS	APPROVALS
9072411	01-0790724-11	LED Anti-collision light (lower 5-Hole mount) cable pigtail		TSO-C96a Class III
9072412	01-0790724-12	LED Anti-collision light (upper 5-Hole mount) cable pigtail		TSO-C96a Class III
9072413	01-0790724-13	LED Anti-collision light (Citation 5-Hole rudder mount, 2.25 lbs.) with connector	-11 thru -16: 2.70" (68.5mm) x 2.38" (60.45mm) x 9.87" (250.69mm) -18 & -19: 2.84" (72.13mm) x 3.87" (98.92mm) x 11.43" (290.32mm)	TSO-C96a Class III
9072414	01-0790724-14	LED Anti-collision light (5-Hole rudder mount, Barons, 2.25 lbs.) cable pigtail		TSO-C96a Class III
9072415	01-0790724-15	LED Anti-collision light (lower 5-Hole mount) with MS27508E10A-5P connector		TSO-C96a Class III
9072416	01-0790724-16	LED Anti-collision light (upper 5-Hole mount) with MS27508E10A-5P connector		TSO-C96a Class III
9072417	01-0790724-17	LED Anti-collision light (lower 5-Hole mount) cable pigtail, 2 lens drain holes (Hawkers)		TSO-C96a Class III
9072418	01-0790724-18	LED Anti-collision light (upper 8-Hole mount) cable pigtail		TSO-C96a Class III
9072419	01-0790724-19	LED Anti-collision light (lower 8-Hole mount) cable pigtail		TSO-C96a Class III

Replaces: Whelen: 90044 Series & Grimes: G9950-( ), 40-0100-( ), 30-2140-( ), 40-0117-( ), 40-0127-( ), 30-2647-( )

90044, 90088 & 90724 CROSS REFERENCE LIST

90044 PART	90088 PART	90724 PART	DESCRIPTION
01-0790044-39	01-0790088-03	01-0790724-03	Ground Recognition for Citation X (Lower 5 hole Mount) Cessna Exclusive Part
01-0790044-37	01-0790088-04	01-0790724-04	Ground Recognition for Citation X (Upper 5 hole Mount) Cessna Exclusive Part
-	01-0790088-06	01-0790724-06	Ground Recognition for Sovereign (Upper 5 hole Mount) Cessna Exclusive Part
01-0790044-03	01-0790088-11	01-0790724-11	Anti-Collision Light (lower 5 hole Mount) cable pigtail
01-0790044-01	01-0790088-12	01-0790724-12	Anti-Collision Light (Upper 5 hole Mount) cable pigtail
01-0790044-33	01-0790088-13	01-0790724-13	Anti-Collision Light (Citation 5 hole Rudder Mount, 2.25 lbs.) with connector
01-0790044-57	01-0790088-14	01-0790724-14	Anti-Collision Light (5 hole Rudder Mount, Barons, 2.25 lbs.) cable pigtail
01-0790044-39	01-0790088-15	01-0790724-15	Anti-Collision Light (Lower 5 hole Mount) with MS27508E10A-5P connector
01-0790044-37	01-0790088-16	01-0790724-16	Anti-Collision Light (Upper 5 hole Mount) with MS27508E10A-5P connector
01-0790044-54	01-0790088-17	01-790724-17	Anti-Collision Light (lower 5 hole Mt.) cable pigtail, 2 lens drain holes (Hawkers)
01-0790044-17	01-0790088-18	01-0790724-18	Anti-Collision Light (Upper 8 hole Mount) cable pigtail

WAT

WHELEN AEROSPACE TECHNOLOGIES