

# **J.W. SPEAKER®**

*Engineered. Lighting. Solutions.*



# **LED LIGHTING**

COMMERCIAL & MILITARY CATALOGUE



## **LED lighting**

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Signalling Lights //

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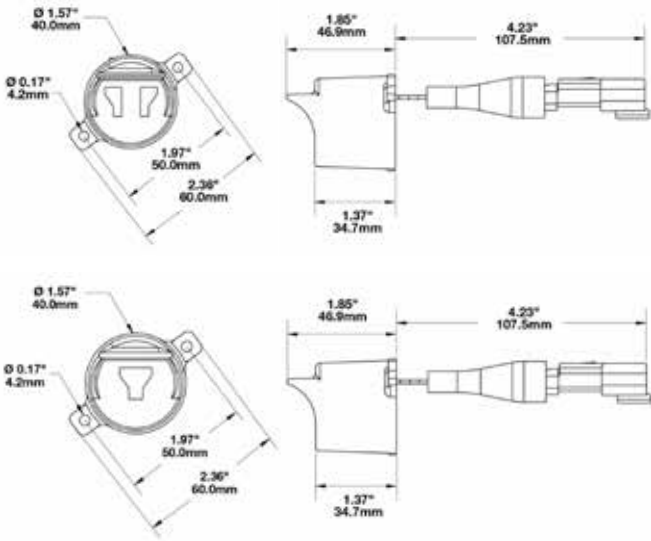
LED 5" x 3" Signal Light  
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PRODUCT SPECIFICATIONS	
Light Source:	LED (Light Emitting Diodes)
Input Voltage:	24V DC
Current Draw:	0.025A @ 24V DC
Lens Material:	Polycarbonate
Body Material:	Nylon
Mounting:	Flange Mount
Connector:	Deutsch DT04-2P
Wiring:	Red Wire: Positive Black Wire: Ground
Standards:	Sealed to IP67 Meets MILPRF-32214 Section 3.8.5



60mm Amber Blackout Signal Light



Blackout Signal Light

Part No.	Pattern	Beam Colour	Pack Qty
0347502	Front Blackout Marker Light	Amber	Single
0347522	Rear Blackout Stop Light	Amber	Single
0347512	Rear Blackout Tail Light	Red	Single

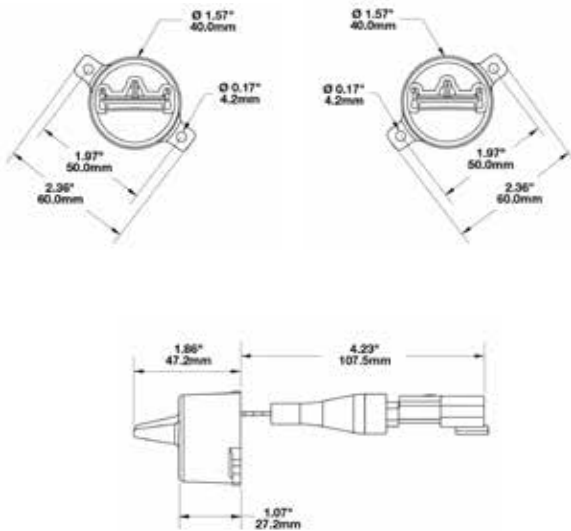


# BLACKOUT

## LED 60mm Cyan Blackout Driving Light



PRODUCT SPECIFICATIONS	
Light Source:	LED (Light Emitting Diodes)
Input Voltage:	24V DC
Current Draw:	0.150A @ 24V DC
Lens Material:	Polycarbonate
Body Material:	Nylon
Mounting:	Flange Mount
Connector:	Deutsch DT04-2P
Wiring:	Red Wire: Power Black Wire: Ground
Standards:	Sealed to IP67 Meets MILPRF-32212A Section 3.4 and 3.5



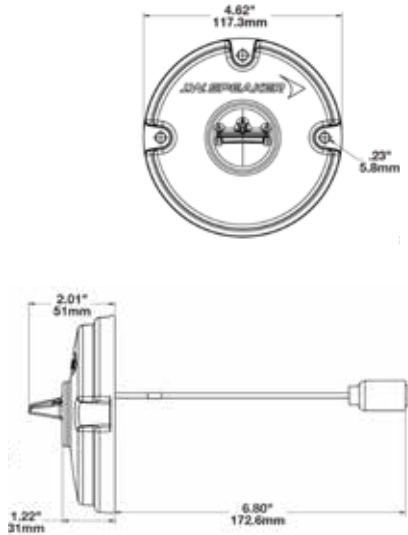
### Blackout Driving Light

Part No.	Pattern	Beam Colour	Pack Qty
0550312	LH Blackout Driving Light	Cyan	Single
0550732	RH Blackout Driving Light	Cyan	Single



PRODUCT SPECIFICATIONS	
Light Source:	LED (Light Emitting Diodes)
Input Voltage:	12-24V DC
Current Draw:	.098A @ 12V DC .057A @ 24V DC
Body Material:	Polycarbonate
Mounting:	Surface Mount

117mm Cyan Blackout Driving Light with Housing



Blackout Driving Light

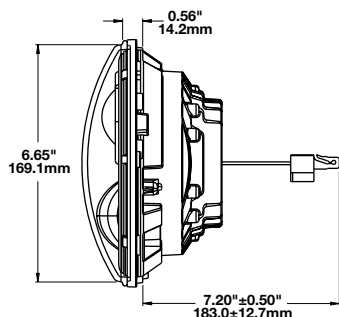
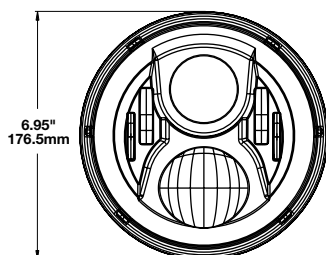
Part No.	Pattern	Beam Colour	Pack Qty
0556132	Blackout Driving Light with Tan Housing	Cyan	Single
0556142	Blackout Driving Light with Green Housing	Cyan	Single

# Model 8700 EVO 2 PRO

## LED 7" (178mm) Headlight Inserts

(Low Beam / High Beam / Park / DRL)

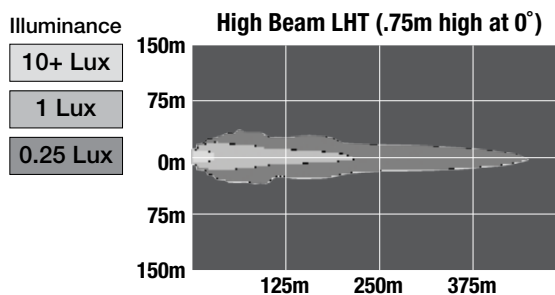
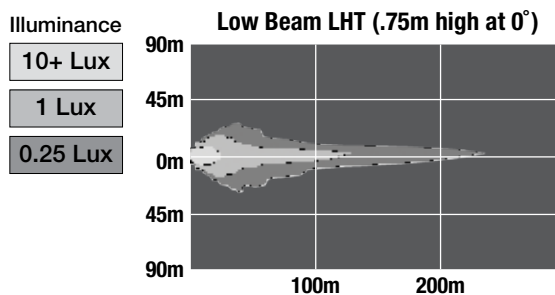
New Dual Burn Technology



### PRODUCT SPECIFICATIONS

Light Source:	LED (Light Emitting Diodes)
Lumen Output:	Raw: 3,200(High); 1,770 (Low) Effective: 1,260 (High); 750 (Low)
Candela Output:	High Beam: 54,000 Low Beam: 35,003
Input Voltage:	12V - 24V DC
Maximum Current Draw:	4.20A @ 12V DC (High Beam)
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	2D1 "PAR56" or 7" round headlights
Connector:	H4
Wiring:	Black Wire: Ground Yellow Wire: Low Beam White Wire: High Beam Red Wire: Park (Front Position) Blue Wire: Daytime Running Light
Standards:	Sealed to IP67 ECE Reg 7, 10, 87 & 112

### EFFECTIVE LUMENS ISOLUX CHARTS



8700 EVO 2 PRO

Part No.	Pattern	Bezel	Pack Qty
0556961	Low / High / Park / DRL	Black	Single

8700 - USA ONLY Military Specification

Part No.	Specification Code	Pack Qty
0546351	NSN: 6620-01-669-3465	Single

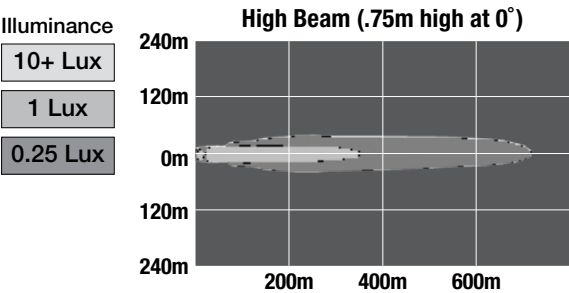
Model 8710

PRODUCT SPECIFICATIONS	
Light Source:	LED (Light Emitting Diodes)
Lumen Output:	Raw: 3,300 Effective: 1,440
Candela Output:	133,000
Input Voltage:	12V - 24V DC
Current Draw:	4.80A @ 12V DC 2.50A @ 24V DC
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	2D1 "PAR56" or 7" round headlights TS4000 - Pedestal Mount: (x1) 3/8-16 x 1.5" Stainless Steel Screw
Connector:	H4
Wiring:	Black Wire: Ground White Wire: Positive
Standards:	Sealed to IP67 ECE Reg 112

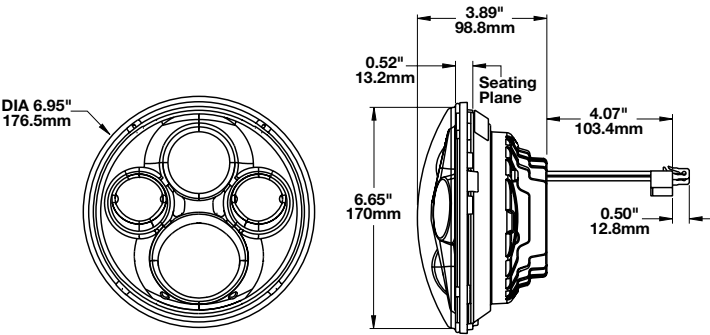
LED 7" (178mm) Headlight Inserts  
(High Beam)



EFFECTIVE LUMENS ISOLUX CHARTS



Military Specification is currently only applicable to the TS4000 product which is a pedestal mount version of the 8710 High Beam headlight insert.



8710

Part No.	Pattern	Bezel	Pack Qty
0550021	High Beam	Black	Single

TS4000 - Military Specification

Part No.	Specification Code	Pack Qty
0550021	NSN: 6620-01-672-5766	Single



# Model 8630 EVO

**LED 5¾" Round Headlight Insert**  
(Low Beam / High Beam / Park / DRL)

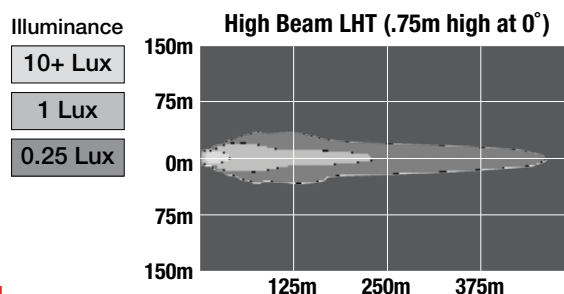
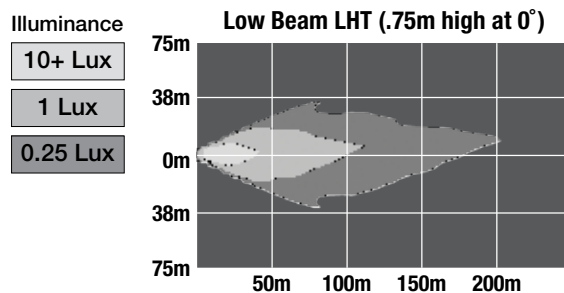


## PRODUCT SPECIFICATIONS

Light Source:	LED (Light Emitting Diodes)
Lumen Output:	Raw: 2,925 (High); 2,025 (Low) Effective: 1,000 (High); 630 (Low)
Candela Output:	High Beam: 61,684 Low Beam: 19,162
Input Voltage:	12V - 24V DC
Maximum Current Draw:	3.50A @ 12V DC (High Beam)
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	PAR46 sealed beams
Connector:	Integral Connector in Housing simulating Delphi 12124107
Wiring:	Black Wire: Ground White Wire: High Beam Yellow Wire: Low Beam Red Wire: Park (Front Position) Purple Wire: Daytime Running Light
Standards:	Sealed to IP67 ECE Reg 7, 87 & 112



## EFFECTIVE LUMENS ISOLUX CHARTS



8630 EVO - Military Specification

Part No.	Pattern	Specification Code	Pack Qty
0549921	Low/High/Park/DRL	NSN: 6620-01-669-3465	Single

8630 EVO - Product Accessories

Part No.	Description	Pack Qty
8200001	8630 - Single Ring Kit Mounting Assembly	Single



# Model 8631 EVO

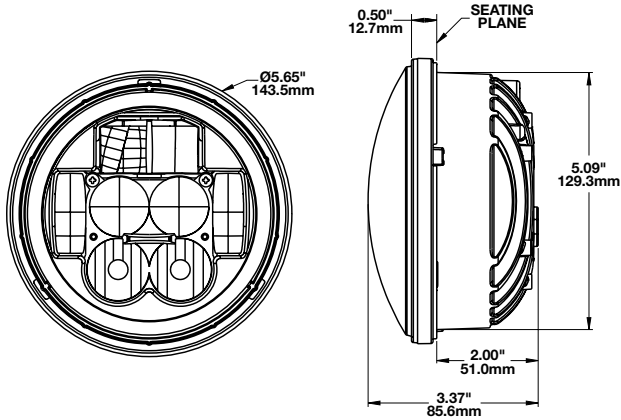
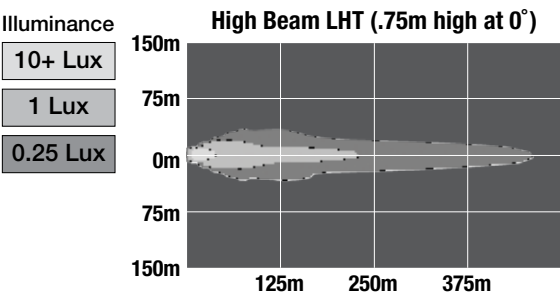
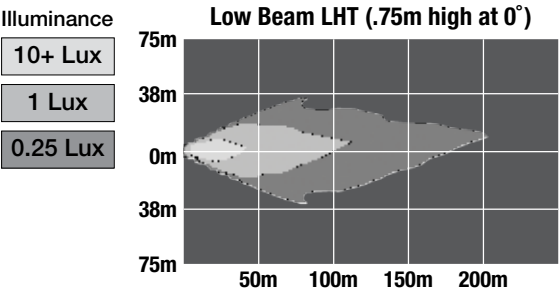
LED 5¾” Round Headlight Insert  
(Low Beam / High Beam / Park / DRL / Turn Signal)

PRODUCT SPECIFICATIONS	
Light Source:	LED (Light Emitting Diodes)
Lumen Output:	Raw: 2,925 (High); 2,025 (Low) Effective: 1,000 (High); 630 (Low)
Candela Output:	High Beam: 61,684 Low Beam: 19,162
Input Voltage:	12V - 24V DC
Maximum Current Draw:	3.50A @ 12V DC (High Beam)
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	PAR46 sealed beams
Connector:	Integral Connector in Housing simulating Delphi 12124107
Wiring:	Black Wire: Ground White Wire: High Beam Yellow Wire: Low Beam Red Wire: Park (Front Position) Purple Wire: Daytime Running Light Orange / White Wire: Turn (Indicator)
Standards:	Sealed to IP67 ECE Reg 6, 7, 87 & 112



8632 Pedestal Mount

## EFFECTIVE LUMENS ISOLUX CHARTS



8631 EVO

Part No.	Pattern	Pack Qty
0551641	Low/High/Park/DRL/Turn	Single

### 8631 EVO - Product Accessories

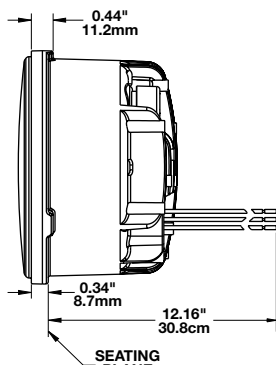
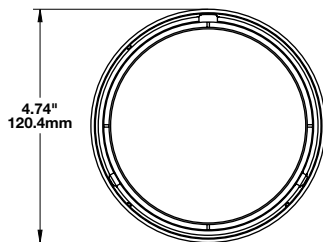
Part No.	Description	Pack Qty
8200001	8631 - Single Ring Kit Mounting Assembly	Single

### 8632 EVO - Pedestal Mount

Part No.	Pattern	Pack Qty
0551973	Low/High/Park/DRL/Turn	Twin Pack

# Model 6130 EVO

## LED 4¾" Round Headlight Insert (Low Beam / DRL) & (High Beam / Park)



### 6130 EVO

Part No.	Pattern	Bezel	Pack Qty
0549861	Low/DRL	Black	Single
0549871	High/Park	Black	Single

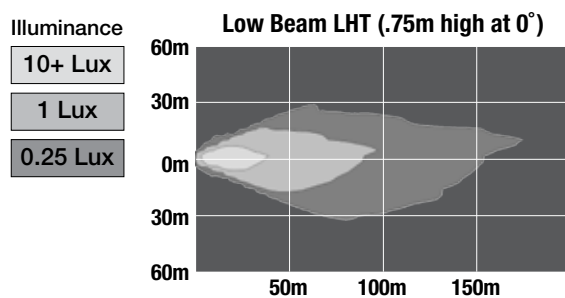
### 6130 - Product Accessories

Part No.	Description	Pack Qty
8000861	Single ring kit mounting assembly	Single

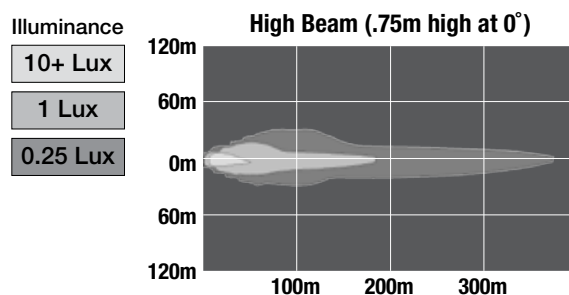
### PRODUCT SPECIFICATIONS

Light Source:	LED (Light Emitting Diodes)
Lumen Output:	Raw: 1,760 (High); 1,690 (Low) Effective: 955 (High); 640 (Low)
Input Voltage:	12V - 24V DC
Current Draw:	<b>0549861 - Low / DRL</b> 2.07A @ 12V DC (Low Beam) 0.96A @ 24V DC (Low Beam) 0.44A @ 12V DC (DRL) 0.24A @ 24V DC (DRL) <b>0549871 - High / Park</b> 1.84A @ 12V DC (High Beam) 0.84A @ 24V DC (High Beam) 0.11A @ 12V DC (Front Position) 0.09A @ 24V DC (Front Position)
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	PAR38 sealed beams
Connector:	12" Flying Leads
Wiring:	Black Wire: Ground White Wire: Low & High Beam Yellow Wire: DRL & Park (Front Position)
Standards:	Sealed to IP67 ECE Reg 112 ECE Reg 7 (High) ECE Reg 87(Low)

### EFFECTIVE LUMENS ISOLUX CHARTS



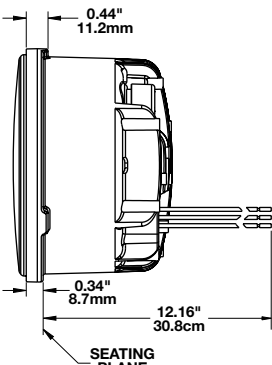
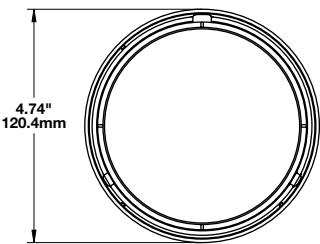
### EFFECTIVE LUMENS ISOLUX CHARTS



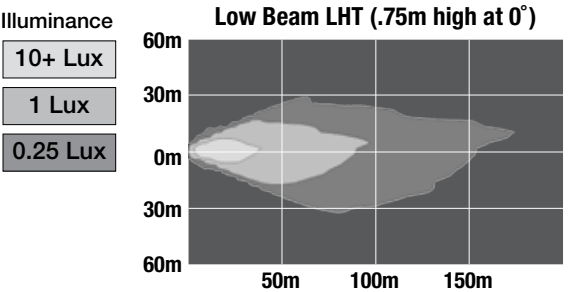
# Model 6130 EVO

## LED 4¾” Round Headlight Insert (Low Beam / High Beam / Park)

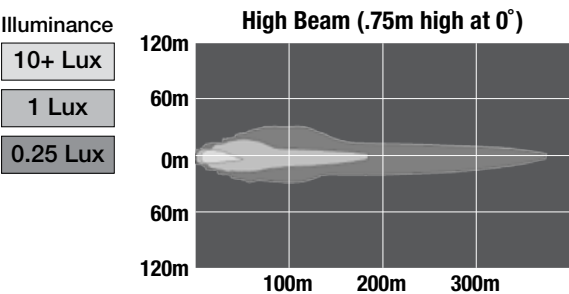
PRODUCT SPECIFICATIONS	
Light Source:	LED (Light Emitting Diodes)
Lumen Output:	Raw: 2,230 (High); 1,330 (Low) Effective: 840 (High); 440 (Low)
Input Voltage:	12V - 24V DC
Current Draw:	3.00A @ 12V DC (High Beam) 1.43A @ 24V DC (High beam) 2.30A @ 12V DC (Low Beam) 1.01A @ 24V DC (Low Beam) 0.12A @ 12V DC (Front Position) 0.09A @ 24V DC (Front Position)
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	PAR38 sealed beams
Connector:	12” Flying Leads
Wiring:	Black Wire: Ground White Wire: High Beam Yellow Wire: Low Beam Red Wire: Park (Front Position)
Standards:	Sealed to IP67 ECE Reg 7 & 112



### EFFECTIVE LUMENS ISOLUX CHARTS



### EFFECTIVE LUMENS ISOLUX CHARTS



6130 EVO

Part No.	Pattern	Bezel	Pack Qty
0549891	Low/High/Park	Black	Single

6130 - Product Accessories

Part No.	Description	Pack Qty
8000861	Single ring kit mounting assembly	Single

# Model 93

## LED 90mm Round Headlight Insert (Low Beam) & (High Beam / Park) & (Fog)



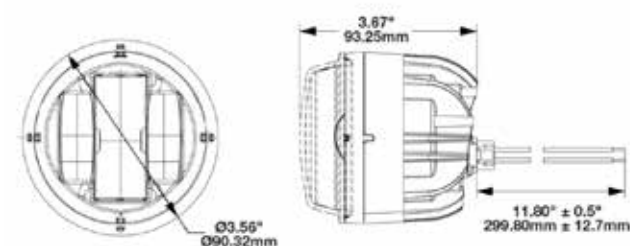
### PRODUCT SPECIFICATIONS

Light Source:	LED (Light Emitting Diodes)
Lumen Output:	Raw: 630 (High); 1,910 (Low); 1,435 (Fog) Effective: 230 (High); 575 (Low); 607 (Fog)
Candela Output:	45,000 (High); 18,500 (Low); 7,500 (Fog)
Input Voltage:	12V - 24V DC
Current Draw:	<b>1.97A @ 12V DC (Low Beam)</b> 0.98A @ 24V DC (Low Beam) 0.80A @ 12V DC (High Beam) 0.40A @ 24V DC (High Beam) 0.40A @ 12V DC (Front Position) 0.20A @ 24V DC (Front Position) 1.25A @ 12V DC (Fog) 0.70A @ 24V DC (Fog)
Lens Material:	Polycarbonate
Body Material:	Aluminium
Connector:	High Beam: Deutsch DT04-3P (Deutsch DT06-3S Mating) Low Beam & Fog: Deutsch DT04-2P (Deutsch DT06-2S Mating)
Wiring:	Black Wire: Ground Red Wire: Positive White Wire: High Beam (0554381 Only) Yellow Wire: Park (0554381 Only)
Standards:	Sealed to IP69K ECE Reg 7 & 112 (High) ECE Reg 19 (Fog)

8001461 & 8001471 - 3 Point Mount - 1.5 & 3mm thick mounting



8001621 - Double lamp pedestal mount



93

Part No.	Pattern	Bezel	Pack Qty
0553091	Low	Black	Single
0554381	High / Park	Black	Single
0556701	Fog	Black	Single

### 93 - Product Accessories

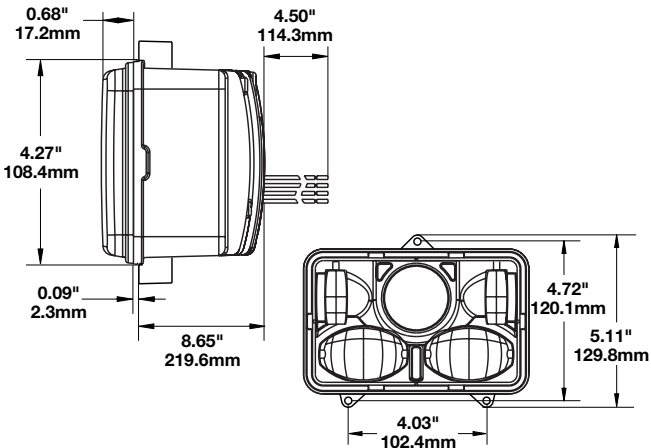
Part No.	Description	Pack Qty
8001461	3 Point Mount - 1.5mm thick mounting	Single
8001471	3 Point Mount - 3mm thick mounting	Single
8001621	Double lamp pedestal mount	Single



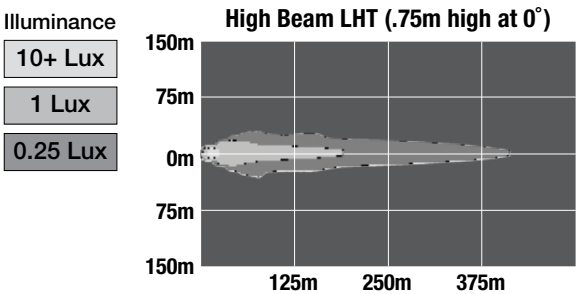
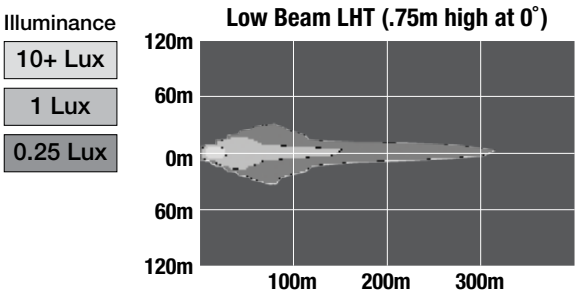
Model 8820

LED 4" x 6" Headlight Inserts  
(Low Beam / High Beam / Park)

PRODUCT SPECIFICATIONS	
Light Source:	LED (Light Emitting Diodes)
Lumen Output:	Raw: 2,100 (High); 1,850 (Low) Effective: 755 (High); 645 (Low)
Input Voltage:	12-24V DC
Current Draw:	1.11A @ 12V DC (Low Beam) 0.96A @ 24V DC (Low Beam) 2.14A @ 12V DC (High Beam) 1.56A @ 24V DC (High Beam) 0.056A @ 12V DC (Front Position) 0.065A @ 24V DC (Front Position)
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	Panel or 3-Point Mount
Connector:	12" Flying Leads
Wiring:	Black Wire: Ground White Wire: High Beam Yellow Wire: Low Beam Red Wire: Park (Front Position)
Standards:	Sealed to IP67 ECE Reg 7 & 112



EFFECTIVE LUMENS ISOLUX CHARTS



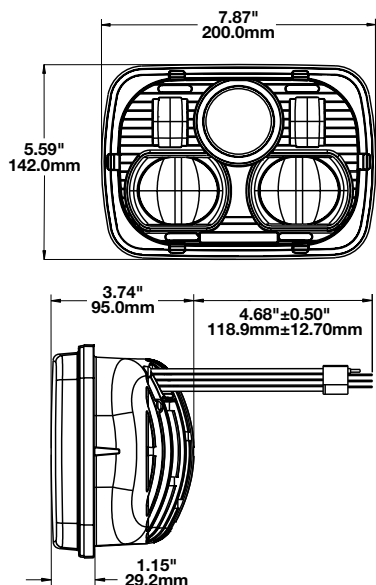
Part No.	Pattern	Bezel	Mount Type	Pack Qty
0550281	Low/High/Park	Black	3-Point Mount	Single

Part No.	Specification Code	Pack Qty
0551712	NSN: PENDING	Single

# Model 8900 EVO 2

## LED 5" x 7" Headlight Insert

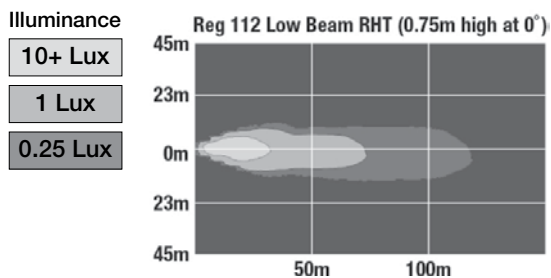
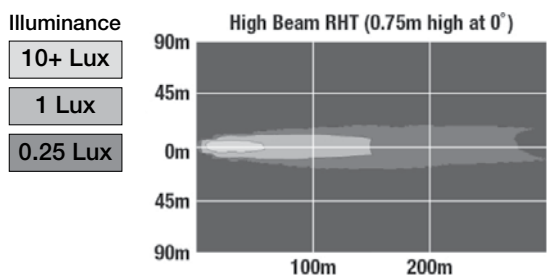
(Low Beam / High Beam / Park)



### PRODUCT SPECIFICATIONS

Light Source:	LED (Light Emitting Diodes)
Lumen Output:	Raw: 2,640 (High); 2,250 (Low) Effective: 1,200 (High); 975 (Low)
Input Voltage:	12 - 24V DC
Current Draw:	1.94A @ 12V DC (High Beam) 1.67A @ 12V DC (Low Beam) 0.22A @ 12V DC (Front Position) 1.03A @ 24V DC (High Beam) 0.87A @ 24V DC (Low Beam) 0.16A @ 24V DC (Front Position)
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	2B1 5" X 7" headlights
Connector:	H4
Wiring:	Black Wire: Ground Yellow Wire: Low Beam White Wire: High Beam Red Wire: Park (Front Position)
Standards:	Sealed to IP69K ECE Reg 7, 10 & 112

### EFFECTIVE LUMENS ISOLUX CHARTS



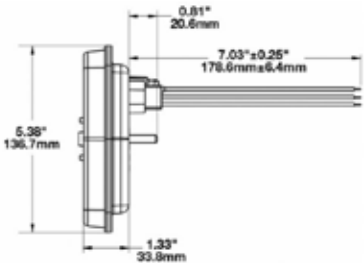
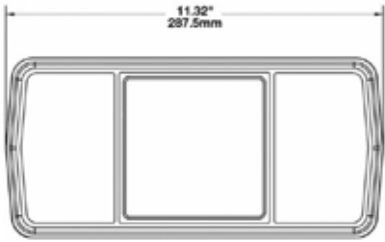
8900 EVO 2

Part No.	Pattern	Bezel	Pack Qty
0554451	Low/High/Park	Black	Single
0554431	Low/High/Park	Chrome	Single

# Model 265

LED 11" x 4" Signal Light  
(Stop / Tail / Turn Signal / Reverse)

PRODUCT SPECIFICATIONS	
Light Source:	LED (Light Emitting Diodes)
Input Voltage:	12-24V DC
Current Draw:	0.115A @ 12V DC (Stop) 0.075A @ 24V DC (Stop) 0.010A @ 12V DC (Tail) 0.010A @ 24V DC (Tail) 0.115A @ 12V DC (Turn) 0.080A @ 24V DC (Turn) 0.045A @ 12V DC (Reverse) 0.028A @ 24V DC (Reverse)
Lens Material:	Acrylic
Body Material:	ABS
Mounting:	Low Profile Mount - Multiple Bracket Options
Connector:	6-Pin Deutsch Socket (DT04-6P-E004) 6-Pin Deutsch Plug (DT06-6S)
Wiring:	Black Wire: Ground White Wire: Reverse Yellow Wire: Turn Red Wire: Stop Brown Wire: Tail
Standards:	Sealed to IP67 ECE Reg 3, 6, 7 & 23



265

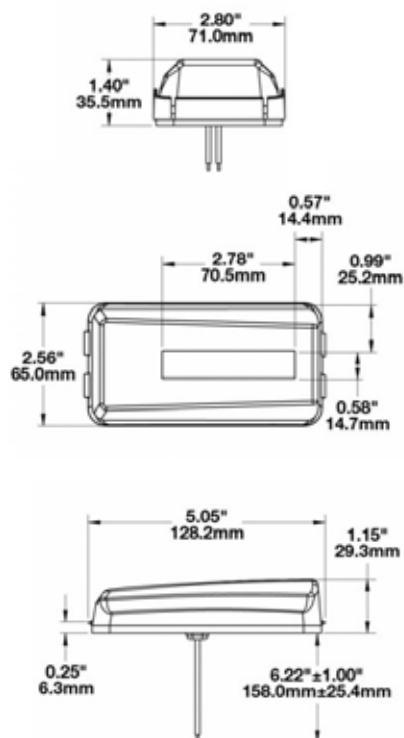
Part No.	Pattern	Pack Qty
0342421	Stop/Tail/Turn/Reverse	Single

265 - Military Specification

Part No.	Specification Code	Pack Qty
0345072	NSN: 6620-01-655-7649	Single

# Model 157

## LED 5" x 3" Signal Light



PRODUCT SPECIFICATIONS	
Light Source:	LED (Light Emitting Diodes)
Input Voltage:	12 - 24V DC
Current Draw:	0.41A @ 12V DC 0.20A @ 24V DC
Lens Material:	Acrylic
Body Material:	ABS
Mounting:	Low Profile Mount
Connector:	12" Flying Leads
Wiring:	Black Wire: Ground Yellow Wire: Side Red Wire: Turn
Standards:	Sealed to IP67 ECE Reg 6 & 91



157

Part No.	Lens	Pack Qty
0344311	Amber	Single
0344301	Clear	Single

157 - Military Specification

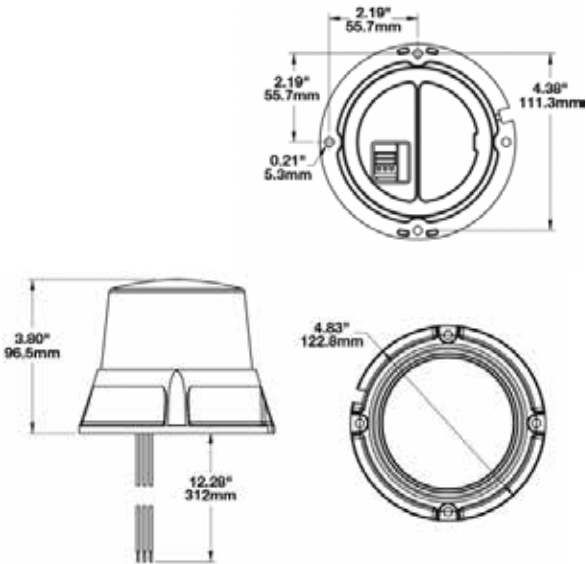
Part No.	Specification Code	Lens	Pack Qty
0344461	NSN: 6620-01-652-6825	Amber	Single



# Model 407

## LED 5" Round Signal Light (Class 1 Strobe / Beacon)

PRODUCT SPECIFICATIONS	
Light Source:	LED (Light Emitting Diodes)
Input Voltage:	12-24V DC
Current Draw:	0.915A @ 12V DC 0.500A @ 24V DC 0.340A @ 36V DC 0.265A @ 48V DC 0.190A @ 72V DC
Lens Material:	Polycarbonate
Body Material:	Aluminium
Mounting:	4 Point Mount (x4) #8-16 x 3/4" Mounting Screw
Connector:	12" Flying Leads
Wiring:	Black Wire: Ground Yellow Wire: Mode Change Red Wire: Positive
Standards:	Sealed to IP69K ECE Reg 10 & 65
Standard 407 Modes:	1: Beacon 2: Quadruple 480 3: Fast 540 4: Double 240 5: Burst 300 6: Steady Flash 60



407

Part No.	Lens	Pattern	Pack Qty
0646491	Amber	6 Mode	Single
0646551	Blue	6 Mode	Single
0646561	Red	6 Mode	Single
0646571	Green	6 Mode	Single

407 - Military Specification

Part No.	Lens / Pattern	Specification Code	Pack Qty
0646511	Amber Beacon	NSN: PENDING	Single
0646591	Amber Flash	NSN: PENDING	Single

## Notes

[illegible]

[illegible]

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