

# OXBO LIGHTING SOLUTIONS



**2018**



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# WHY UPGRADE TO LED LIGHTING?

- **LED**

## DEFINITION

An Acronym for “light emitting diodes.” LEDs are a relatively new lighting technology that create light by passing electricity through one plate to another. This type of light is extremely efficient, long lasting, and has a high color temperature. The fact that LEDs do not have breakable bulbs or fragile filaments makes them an excellent choice for applications where shock and vibration are present.

- **SUPERIOR VISIBILITY**

- LED headlights produce a crisp, clean, bright white light that effectively turns night into day.
- A well-designed LED headlight will meet all on-road regulations, eliminate glare for oncoming traffic, and have a beam pattern that lights up parts of the road or field you’ve likely never seen before at night.

- **EXTREME DURABILITY**

- LEDs utilize solid-state construction – meaning that there are no breakable bulbs, fragile filaments, or sensitive electrodes like those found in incandescent, halogen, or HID lighting.
- For this reason, LEDs are the perfect choice for industrial or field vehicles that endure repeated high vibration and jolting.
- Investing in premium LED lights will not only save you money on replacement parts and labor, but most importantly significantly improve working quality and operation safety.

- **UNMATCHED LONGEVITY**

- Superior lifespan – One LED headlight will out-live 300+ incandescent headlights, 50+ halogen headlights or 20+ HID headlights.

## 5"x7" OVAL LED WORK LIGHT - FLOOD

**OXBO PART NUMBER:** 74088

**MODEL NUMBER:** 7150F

**Lens Pattern:** Flood

**Lens Material:** Glass

**Housing Material:** Die-Cast Magnesium

**Effective Lumens:** 3,000

**Technical Specifications:** 6.0 Amps @ 12V  
3.0 Amps @ 24V



## 5"x7" OVAL LED WORK LIGHT - TRAP

**OXBO PART NUMBER:** 74089

**MODEL NUMBER:** 6040

**Lens Pattern:** Flood

**Lens Material:** Glass

**Housing Material:** Die-Cast Aluminum

**Effective Lumens:** 550

**Technical Specifications:** 1.2 Amps @ 12V



## 4.5" ROUND LED WORK LIGHT - FLOOD

**OXBO PART NUMBER:** 74528

**MODEL NUMBER:** 6041

**Lens Pattern:** Flood

**Lens Material:** Polycarbonate

**Housing Material:** Die-Cast Aluminum

**Effective Lumens:** 475

**Technical Specifications:** 1.2 Amps @ 12V



\*Work light replacement for repair of 70001 or 75000

## 4.5" ROUND LED WORK LIGHT - FLOOD

**OXBO PART NUMBER:** 74090

**MODEL NUMBER:** 6040

**Lens Pattern:** Flood

**Lens Material:** Glass

**Housing Material:** Die-Cast Aluminum

**Effective Lumens:** 550

**Technical Specifications:** 1.2 Amps @ 12V

\*Work light replacement for repair of 70001 or 75000



## 4.5" ROUND LED WORK LIGHT - FLOOD

**OXBO PART NUMBER:** 75000

**MODEL NUMBER:** 6700

**Lens Pattern:** Flood

**Lens Material:** Polycarbonate

**Housing Material:** Heavy Duty Rubber

**Effective Lumens:** 550

**Technical Specifications:** 1.2 Amps @ 12V



## 3"x5" OVAL LED WORK LIGHT - FLOOD

**OXBO PART NUMBER:** 74085

**MODEL NUMBER:** 700

**Lens Pattern:** Flood

**Lens Material:** Polycarbonate

**Housing Material:** Die-Cast Aluminum

**Effective Lumens:** 400

**Technical Specifications:** 2.0 Amps @ 12V



## 3"x5" OVAL LED WORK LIGHT - TRAP

**OXBO PART NUMBER:** 74736

**MODEL NUMBER:** 735

**Lens Pattern:** Trap

**Lens Material:** Glass

**Housing Material:** Die-Cast Aluminum

**Effective Lumens:** 1,400

**Technical Specifications:** 3.7 Amps @ 12V



## 3"x5" OVAL LED WORK LIGHT - FLOOD

**OXBO PART NUMBER:** 74735

**MODEL NUMBER:** 735

**Lens Pattern:** Flood

**Lens Material:** Glass

**Housing Material:** Die-Cast Aluminum

**Effective Lumens:** 1,400

**Technical Specifications:** 3.7 Amps @ 12V



## 3" ROUND LED COMPARTMENT LIGHT

**OXBO PART NUMBER:** 74533

**MODEL NUMBER:** 408

**Lens Material:** Hardened Glass

**Housing Material:** Die-Cast Aluminum

**Technical Specifications:** .290 Amps @ 12V

\*Illuminates confined work areas such as engine compartments.



## 3"x5" LED BACK-UP LIGHT, E-MARK

**OXBO PART NUMBER:** 75830

**MODEL NUMBER:** 708

**Lens Material:** Polycarbonate

**Housing Material:** Die-Cast Aluminum

**Effective Lumens:** 400

**Technical Specifications:** 2.0 Amps @ 12V



## 4"x11" RECTANGULAR LED STOP, TAIL, TURN & BACK UP LIGHT

**OXBO PART NUMBER:** 73313

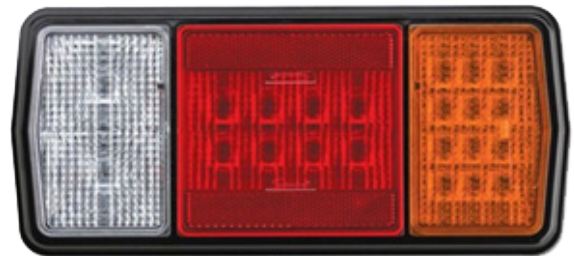
**MODEL NUMBER:** 265

**Lens Material:** Acrylic

**Housing Material:** ABS

**Technical Specifications:**

- Stop: .325 Amps @12V
- Tail: .060 Amps @ 12V
- Turn: .425 Amps @ 12V
- Backup: .325 Amps @ 12V



## 5" ROUND LED DOUBLE-SIDED TURN SIGNAL LIGHT

**OXBO PART NUMBER:** 74529

**MODEL NUMBER:** 206G

**Lens Material:** Polycarbonate

**Housing Material:** Polycarbonate

**Technical Specifications:** .575 Amps @ 12V



## 5" ROUND LED STROBE LIGHT

**OXBO PART NUMBER:** 74532

**MODEL NUMBER:** 404

**Lens Material:** Acrylic

**Housing Material:** Impact-Resistant Nylon

**Technical Specifications:** 1.0 Amps @ 12V



## 3"x7" RECTANGULAR LED TURN SIGNAL LIGHT

**OXBO PART NUMBER:** 74608

**MODEL NUMBER:** 270

**Lens Material:** Acrylic

**Housing Material:** ABS

**Technical Specifications:** 0.5 Amps @ 12V





## LED PORTABLE SCENE LIGHT SYSTEM

**OXBO PART NUMBER:** 74534

**MODEL NUMBER:** 60

**Lens Material:** Acrylic

**Effective Lumens:** 1,700

**Technical Specifications:** 2.5 Amps @ 12V

\*Extends to a height of 6ft

\*Integrated vehicle charging system

\*Free standing

\*Internal steel chassis provides superior strength



## ACCESSORIES

**OXBO PART NUMBER:** 227453

**DESCRIPTION:** LED Work Light Mount

**OXBO PART NUMBER:** 74368

**DESCRIPTION:** Work Light Extension Harness, 8"



## Part # 63626 - Kit, Electrical Chassis Repair

Component	Description	Qty	UM
70107	CONNECTOR,MALE 1 CONT	5	EA
70109	CONNECTOR,FEMALE 1 CONT	5	EA
70110	TERMINAL,MALE,14-16G PACKARD "56" SERIES	5	EA
70111	TERMINAL,FEM,14-16G PACKARD "56" SERIES	5	EA
70143	TERMINAL,RING #10	5	EA
70145	TERMINAL,RING 5/16	10	EA
70294	TERMINAL,T-TAP 18-146A	5	EA
70409	SEAL,CABLE,12 GA BLUE WIRE	10	EA
70410	SEAL,CABLE,14-16 GA GRAY WIRE	10	EA
70411	TERMINAL,MALE PIN 14-16G WEATEHR PACK	10	EA
70412	TERMINAL,FEM SLV,14-16GA WEATHER PACK	10	EA
70418	CONNECTOR,1-WAY,TOWER, WEATHER PACK	6	EA
70419	CONNECTOR,1-WAY,SHROUD, WEATHER PACK	6	EA
70420	CONNECTOR,2-WAY,TOWER, WEATHER PACK	4	EA
70421	CONNECTOR,2-WAY,SHROUD, WEATHER PACK	4	EA
70422	CONNECTOR,3-WAY,TOWER, WEATHER PACK	2	EA
70423	CONNECTOR,3-WAY,SHROUD, WEATHER PACK	2	EA
70424	CONNECTOR,4-WAY,TOWER, WEATHER PACK	2	EA
70425	CONNECTOR,4-WAY,SHROUD, WEATHER PACK	2	EA
70426	CONNECTOR,6-WAY,TOWER, WEATHER PACK	2	EA
70427	CONNECTOR,6-WAY,SHROUD, WEATHER PACK	2	EA
70499	TERMINAL,MALE PIN,SER 1 14GA,AMP 1-66361-0	10	EA
70500	TERMINAL,FEMALE SOCKET SERIES 1, 14GA	10	EA
70570	TERMINAL,RING #8 16-14GA NON-IN	10	EA
70618	TERMINAL,RING #6 14-16GA NON-IN	10	EA
70619	TERMINAL,RING #10 14-16G NON-IN	5	EA
70620	TERMINAL,RING 1/4 14-16G NON-IN	5	EA
70621	TERMINAL,BUTT CONNECTOR 14-16 GA, NON-IN	10	EA
70628	TERMINAL,BUTT CONNECTOR 10-12GA, NON-IN	10	EA
70704	TERMINAL,PUSH-ON,1/4FEM 14-16 GA, NON-IN	5	EA
70713	TERMINAL,RING 3/8 16-14G NON-IN	5	EA
70826	TERMINAL,FEMALE SPADE FOR SOCKET 70820	10	EA
70861	SEAL,CABLE,18-20 GA GREEN	10	EA
71004	TERMINAL,SOCKET,14-16GA, DEUTSCH SIZE 16 SOLID	10	EA
71005	TERMINAL,PIN,14GA,SOLID, DEUTSCH SIZE 16 NICKEL	10	EA
71651	TUBING,HEAT SHRINK 3/8 DUAL WALL, 30 TO 1	2	FT
71977	SEAL,CABLE,18-20GA DK RED, METRI-PACK 150	10	EA
71990	TERMINAL,PIN,16-18GA SOLID, DEUTSCH SIZE 16	10	EA
72159	TERMINAL,PUSH-ON,1/4FEM 10-12GA, FULLY INSULATED	5	EA
88729	TUBING,HEAT SHRINK,1/2 DUAL WALL, 3 TO 1	2	FT

## Part # 63626 - Kit, Electrical Chassis Repair continued

Component	Description	Qty	UM
88733	TUBING,HEAT SHRINK 1/4 POLYOLEFIN, DUAL WALL	2	FT
89121	TAPE,VINYL ELECTRICAL 3/4X66 FT ROLL, 3M 33+	1	EA
93888	WRAPTIE 6"OA BLACK	25	EA
93890	WRAPTIE 14-1/2"OA BLACK, HEAVY DUTY 120#	25	EA
94486	TOOL,CONTACT EXTRACTION SERIES 1, MULT AMP	1	EA
94493	TOOL,CONTACT EXTRACTION WEATHER PACK CONN	1	EA
94756	TOOL,CONTACT EXTACTION DEUTSCH 16 SIZE	2	EA
94757	TOOL,CRIMPER,DEUTSCH SOLID CONTACTS	1	EA
98989	TOOL,CRIMPER,PACKARD 56 SERIES 14-18 GA	1	EA
99385	TOOLBOX,18"ORGANIZER CHASSIS ELEC KIT	1	EA
1040-0165	TERMINAL EYELET .250 12- 10GA INSULATED	5	EA
1040-0312	EXTRACTOR TOOL 6 GA WIRE (WHITE)	2	EA
1040-0313	EXTRACTOR TOOL 8-10 GA WIRE (GREEN)	2	EA
1040-0314	EXTRACTOR TOOL 12-14 GA WIRE (YELLOW)	2	EA
1040-0377	TERMINAL MALE-FEMALE .250X14-16 GA INS	5	EA
1040-0388	TERMINAL PUSH-ON .250 FM 16-14 GA NON-INS	10	EA
1040-0559	TERMINAL,PIN,12-14GA, SOLID, DEUTSCH SIZE 12	10	EA
1040-0560	TERMINAL,SOCKET,12-14GA, DEUTSCH SIZE 12	10	EA
1040-0630	CONNECTOR FOR 1040-0629 REVERSING RELAY	5	EA
1040-0631	CONNECTOR PACKARD 2-WAY FOR MALE TERM	5	EA
1040-0632	CONNECTOR PACKARD 2-WAY FOR FM TERM	5	EA
1040-0637	TERMINAL SOCKET FOR 1040-0630 CONN (SM)	5	EA
1040-0638	TERMINAL SOCKET FOR 10400630 CONN (LG)	5	EA
1040-1043	AMP PIN EXTRACTION/INSERTION TOOL	1	EA
1040-1268	EXTRACTOR TOOL JOHN DEERE	1	EA
1040-1381	EXTRACTOR TOOL 20-24 GA WIRE (RED)	2	EA
5500-0200	HEAT SHRINK TUBING .187 ID	2	FT

# TERMINOLOGY

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- RAW vs EFFECTIVE LUMENS:** **Raw** lumens are the measure of the theoretical output of a light. In the case of LED lights, this figure is computed by multiplying the LED manufacturer's lumen rating for the LED by the number of LEDs in the light. Raw lumens is not representative of the actual light output because it does not take into account the electrical and optical losses that impact all lights.
- Effective** lumens are the measure of the actual output of a light. The effective lumen output is measured using a photometric testing device and takes into consideration electrical and optical losses, so it is a better representation of the useful visible light that is produced.
- AMP:** An abbreviation for ampere. An ampere is a standardized measure of electrical current.
- WATT:** Measure of the total power output of a light source.
- LUMEN:** Measure of the total visible light output of a light source.
- CANDELA:** Measure of the intensity of a light source in a particular direction.
- FOOT-CANDLES & LUX:** Measure the amount of visible light falling on a surface.
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\* For more terms and definitions, please visit the 'Reference' section on J.W. Speaker's website.

<http://www.jwspeaker.com/reference/>