

Cat[®] Work Lights



Make time work for you with Cat[®] Work Lights

When you're working against the clock, Cat[®] Work Lights help turn night into day and increase productivity of both machines and operators in a wide range of applications. Premium Cat Work Lights are designed to meet the demanding vibration levels of both large and small machines, offering long life and low maintenance costs. Well-lit work areas also increase operator safety and performance. Lights are adaptable to Cat machines and other machines in your fleet, and can be retrofitted to older machines as well... all at prices designed to fit any operating budget.

Count on highly reliable Cat Work Lights to light up your jobsite—and make time work for you.



Cat® Work Lights



High Intensity Gas Discharge (HID) Lights

High Intensity Gas Discharge Work Lights from Caterpillar increase productivity of both machines and operators in high-hour (6,000 to 10,000 hr.), around-the-clock or extended night operations. Cat HID Work Lights are built to handle tough jobs efficiently, producing the equivalent of several halogen lights with the same wattage for exterior floodlighting. HID lights generate less heat, resist vibration and shock better, use less power consumption, and last longer than halogen lights. Your operators will work more safely and efficiently in a work area widely illuminated by the “daylight” color that Cat HID Work Lights produce. Mounting and electrical connections are the same as halogens.

- Life expectancy six to 10 times that of halogen lamps
- Two times more light than a halogen lamp
- Bulb can be serviced
- Light color close to true daylight
- Safety of internal ballast



Shock-Resistant Halogen Lights

Versatile Cat Shock-Resistant Halogen Lights offer up to 10 times improvement in bulb life versus non shock-resistant lights, contributing to lower operating costs in applications with high vibration where current bulb life is short. These lights are environmentally sealed and meet Cat design specifications for resistance to water spray, water dunk and vibration.

5" x 5" HID Bright Lights							
Part Number	Lens Pattern	Bulb	Mounting	Lens	Volts	Ballast	Connector
283-9273	Flood	290-8160	Vertical	277-3082	12	319-7383	Pigtail DT
283-9272	Flood	290-8160	Suspended	277-3082	12	319-7383	Pigtail DT
290-8120	Low Beam	290-8160	Suspended	229-9970	24	319-7384	Pigtail DT
290-8117	Low Beam	290-8160	Vertical	229-9970	24	319-7384	Pigtail DT
290-8119	High Beam	290-8160	Suspended	229-9971	24	319-7384	Pigtail DT
290-8118	High Beam	290-8160	Vertical	229-9971	24	319-7384	Pigtail DT
332-9402	Flood	290-8160	Suspended	277-3082	24	319-7384	Integral DT
347-9427	Flood	290-8160	Vertical	277-3082	24	319-7384	Integral DT

3" x 3" HID Lights							
Part Number	Lens Pattern	Bulb	Mounting	Lens	Volts	Ballast	Connector
319-7381	Long Range	290-8160	Suspended	291-2941	24	319-7384	Integral DT
319-7379	Flood	290-8160	Suspended	291-2943	24	319-7384	Integral DT
319-7378	Flood	290-8160	Suspended	291-2943	12	319-7383	Integral DT
319-7380	Flood	290-8160	Vertical	291-2943	24	319-7384	Integral DT
319-7377	Flood	290-8160	Vertical	291-2943	12	319-7383	Integral DT
319-7382	Trapezoid	290-8160	Suspended	291-2942	24	319-7384	Integral DT

70mm Round HID Lights							
Part Number	Lens Pattern	Bulb	Mounting	Lens	Volts	Ballast	Connector
324-3740	Flood	290-8160	Suspended	352-8986	24	319-7384	Integral DT
334-6198	Flood	290-8160	Vertical	352-8986	24	319-7384	Integral DT

5" x 5" Shock-resistant Halogen Lights						
Part Number	Lens Pattern	Bulb	Mounting	Volts	Connector	Mounting Bracket
227-5978	Flood	9X-3463	Suspended	24	Integral DT	Yes
171-2065	Flood	9X-3463	Suspended	24	Pigtail DT	No
147-0319	Flood	9X-3463	Suspended	24	Integral DT	No
162-3294	Flood	9X-3463	Vertical	24	Pigtail DT	No
153-2073	Flood	9X-3463	Vertical	24	Integral DT	No
171-2066	Low Beam	9X-3463	Suspended	24	Pigtail DT	No
161-3509	Low Beam	9X-3463	Vertical	24	Integral DT	No
161-0908	Low Beam	9X-3463	Suspended	24	Integral DT	No
168-1953	Low Beam	9X-3463	Vertical	24	Pigtail DT	No
227-5979	High Beam	9X-3463	Suspended	24	Integral DT	Yes
180-1300	High Beam	9X-3463	Vertical	24	Integral DT	No
171-2067	High Beam	9X-3463	Vertical	24	Pigtail DT	No
168-1960	High Beam	9X-3463	Suspended	24	Pigtail DT	No
157-0305	High Beam	9X-3463	Suspended	24	Integral DT	No
257-3168	Flood, Red	9X-3463	Vertical	24	Integral DT	No
257-3171	Flood, Amber	9X-3463	Vertical	24	Integral DT	No



3" x 3" Shock-resistant Halogen Lights						
Part Number	Lens Pattern	Bulb	Mounting	Lens	Volts	Connector
212-9347	Wide-range Flood	9W-0607	Vertical	202-6614	12	Integral DT
214-2968	Wide-range Flood	9W-0607	Suspended	202-6614	12	Integral DT
254-8155	Wide-range Flood	9X-3463	Suspended	202-6614	24	Integral DT
272-6641	Wide-range Flood	9X-3463	Vertical	202-6614	24	Integral DT
214-2969	Long-range Flood	9W-0607	Suspended	202-6611	12	Integral DT
219-6486	Long-range Flood	9X-3463	Vertical	202-6611	24	Integral DT
290-5760	Long-range Flood	9W-0607	Vertical	202-6611	12	Integral DT

Shock-resistant 70mm Round Halogen Lights					
Part Number	Lens Pattern	Bulb	Mounting	Volts	Connector
325-4471	Wide-range Flood	9X-3463	Vertical	24	Integral DT
339-3505	Wide-range Flood	9X-3463	Suspended	24	Integral DT
325-4472	Wide-range Flood	9X-3463	Right Hand	24	Integral DT

LED Work/Flood Lights

The Caterpillar LED worklight is designed for applications, where high service life and durability is important in extremely tough conditions.



With its low power consumption (quarter of halogen power consumption with no in-rush current), multi voltage use (9V to 80V), combined with intense illumination and extremely long life time makes the Caterpillar LED worklight suitable for most applications in the construction industry. This worklight is completely waterproof and vibration resistant.

LED 3"x 3" Lights				
Part #	Lens Pattern	Mounting	Volts	Connector
332-1023	Spot	Vertical	9-80	DT Pigtail
348-9543	Flood	Vertical	9-32	DT Pigtail

LED 5" x 5" Lights				
Part #	Lens Pattern	Mounting	Volts	Connector
353-9420	Flood	Vertical	9-32	Integral DT
366-7803	Spot	Vertical	9-32	Integral DT

Combination Headlights: Shock Resistant						
Part Number	Volts	Description	Traffic side	Machine side	Connector	Approval
344-3455	24	Combination Head/Turn	RH	RH	DT rect. (6)	ECE
344-3456	24	Combination Head/Turn	RH	LH	DT rect. (6)	ECE
344-3457	24	Combination Head/Turn	LH	RH	DT rect. (6)	ECE
344-3458	24	Combination Head/Turn	LH	LH	DT rect. (6)	ECE
344-3459	24	Combination Head/LED Turn	RH	RH	DT rect. (6)	ECE
344-3460	24	Combination Head/LED Turn	RH	LH	DT rect. (6)	ECE

Combination Headlights: Non-Shock Resistant						
Part Number	Volts	Description	Traffic side	Machine side	Connector	Approval
238-2797	24	Combination Head/Turn	RH	RH	DT rect. (6)	ECE
238-2798	24	Combination Head/Turn	RH	LH	DT rect. (6)	ECE
243-4274	24	Combination Head/Turn	LH	RH	DT rect. (6)	ECE
243-4275	24	Combination Head/Turn	LH	LH	DT rect. (6)	ECE
195-0189	12	Combination Head/Turn	RH	RH	DT rect. (6)	ECE
195-0190	12	Combination Head/Turn	RH	LH	DT rect. (6)	ECE
195-0191	12	Combination Head/Turn	LH	RH	DT rect. (6)	ECE
195-0192	12	Combination Head/Turn	LH	LH	DT rect. (6)	ECE
259-9287	24	Combination Head/ LED Turn	RH	LH	DT rect. (6)	ECE
259-9288	24	Combination Head/ LED Turn	RH	RH	DT rect. (6)	ECE



Combo Halogen/Turn Light

This is ECE approved headlight and turn signal combination light. This light provides High beam, low beam, position light & turn-signal in one package with easy one bolt mounting. This light meets Cat vibration & sealing requirements and approved for use in US, Europe, India, & Japan.



Value Priced Flood Lights (Non-Machine Applications)

Environmentally sealed and meets Cat design specifications for resistance to water spray, water dunk, and vibration.

3" x 3" Value Priced Halogen Lights – Not Recommended for High Vibration Application							
Part Number		Lens Pattern	Bulb	Mounting	Lens	Volts	Connector
234-4323	10 _ 25 mm bracket, weld stud	Wide-range Flood	9X-3463	Vertical	202-6614	24	Integral DT
234-4325	10 _ 25 mm bracket, weld stud	Wide-range Flood	9X-3463	Suspended	202-6614	24	Integral DT
234-4327	10 _ 25 mm bracket, weld stud	Wide-range Flood	9W-0607	Vertical	202-6614	12	Integral DT
234-4328	10 _ 25 mm bracket, weld stud	Wide-range Flood	9W-0607	Suspended	202-6614	12	Integral DT
201-1423	bracket has 10 mm hole, no stud	Wide-range Flood	9W-0607	Suspended	202-6614	12	Pigtail DT
201-1422	10 _ 25 mm bracket, weld stud	Long-range Flood	9X-3463	Suspended	202-6611	24	Integral DT
234-4324	10 _ 25 mm bracket, weld stud	Long-range Flood	9X-3463	Vertical	202-6611	24	Integral DT
234-4326	10 _ 25 mm bracket, weld stud	Long-range Flood	9X-3463	Suspended	202-6611	24	Integral DT
234-4329	10 _ 25 mm bracket, weld stud	Long-range Flood	9W-0607	Suspended	202-6611	12	Integral DT



Light Emitting Diode (LED) Signal Lights

Designed for long life and lower maintenance costs than incandescent signal light bulbs, Cat LED Signal Lights have a demonstrated life of 25,000 hours — that's 500 times the life of an incandescent signal bulb. LED signal lights use no filaments, so they resist high vibration, and they can be retrofitted to any 24-volt application. LED signal lights meet Cat design specifications for resistance to water spray, water dunk and vibration, and are permanently sealed with sonic welded lenses and potted circuitry.

LED Signal Lights					
Part Number	Lens Color	Description	Mounting	Volts	Mounting Connector
334-5409	Amber	Front Turn & Park	Rectangular	24	Pigtail DT
135-0428	Amber	Front Turn & Park	Round	24	Pigtail DT
334-5410	Amber	Turn	Rectangular	24	Pigtail DT
334-8049	Red	Stop and Tail	Rectangular	24	Pigtail DT
143-2014	Red	Stop and Tail	Round	24	Pigtail DT
232-6136	Red/Amber	Stop/Tail/Turn	Rectangular	24	Pigtail DT
252-7165	Clear	Stop/Tail/Turn	Rectangular	24	Pigtail DT
208-5021	Blue	Speciality	Rectangular	24	Pigtail DT
321-7871	Green	Speciality	Rectangular	24	Pigtail DT



Rotating Beacons and Strobes

Cat Rotating Beacons use a halogen bulb on a rotating base. Strobes are warning beacons, which use electronics to emit light using a gas tube. As with other Cat lights, the beacons and strobes are designed to withstand high-vibration conditions and increase safety on any jobsite.

Rotating Beacon and Strobe Lights (Amber)					
Part Number	Description	Bulb	Volts	Base	Connector
294-2546	Rotating	9X-8118	12	Rubber	Screw Terminal
309-1325	Rotating	9X-8118	12	Magnetic	Cigarette Lighter
130-7580	Rotating	9X-8118	12	3-Bolt	Cigarette Lighter
108-1029	Rotating	9X-7849	24	Magnetic	Cigarette Lighter
235-3937	Rotating	9X-7849	24	3-Bolt	Pigtail DT
140-3668	Strobe	—	12-24	Magnetic	Cigarette Lighter
284-3757	Strobe	—	12-24	3-Bolt	Pigtail DT
338-1132	LED Strobe	—	9-32	3-Bolt	Pigtail DT
289-3335**	Blue Lens — Beacon	—	—	—	—

* shock resistant

** lens only for any rotating light listed

Miniature Electrical Lamps

Miniature Electrical Lamps								
ITEM	VOLTAGE	ANSI NUMBER	PART NUMBER	ITEM	VOLTAGE	ANSI NUMBER	PART NUMBER	
	24	459	9D-4185		12	67	9W-2471	
	28	327	3N-5719					
	12	1895	5D-0284		24	1683	7H-2976	
	14	194A	118-5075		28	311	7D-8855	
	24	1873	7N-5876		24	2232	7N-9943	
	24	1820	8D-1429		24	1495	9W-2111	
	12	53	8M-6176		24	356	5D-0019	
	24	265	7X-2058		24	623R	9S-3335	
	12	93	1S-4168		12	P21W	3C-4883	
	12	1156	5M-8034		12	1157	7S-1800	
	24	307	8J-4863					
	24	13498	9X-4493		24	1309	9K-9140	
	24	1638	8T-9749		12	194	122-7137	
	24	1662	034-2535		12	464	107-1983	
	24	13499	9X-4492		24	657	110-2079	
	12	7528	084-4348		24	2841	115-1748	
	6	63	9B-3117		12	1816	8L-9801	
	12	631	7M-9957		28	757	1239294	
	24	623	2D-1959		24	2661	100-3245	
	24	624	7N-1996					
	24	1251	3H-2691					
	12	N/A	084-4375	No Image	6	1154	8M-7119	
					24	28MB	7N-9967	
					24	456	5D-1708	
					24	7839R	3E-8825	



Stop/Tail Lamps

Stop/Tail Lamps			
Item	Voltage	Body Assy.	Style
Stop/Tail	12	9X-8196	Rectangle
Stop/Tail	12	092-2992	Rectangle
Stop/Tail	24	107-4401	Rectangle
Stop/Tail	24	130-3452	Rectangle
Stop/Tail	24	130-3453	Rectangle
Stop/Tail	24	8C-6207	Round
Stop/Tail	24	7M-7147	Round
Stop/Tail	24	9G-4358	Round
Stop/Tail	24	9G-8556	Round
Stop/Tail	24	3E-6467	Rectangle
Stop/Tail	24	9X-1404	Rectangle
Turn	12	3E-9346	Rectangle
Turn	12	9X-8242	Rectangle
Turn	24	107-4402	Rectangle
Turn	24	162-2073	Rectangle
Turn	24	3E-6466	Rectangle
Turn	24	7X-6066	Rectangle
Turn	24	9X-1406	Rectangle
Turn	24	7T-7818	Round
Turn	24	9D-4073	Round
Turn	24	9G-4357	Round
Turn/Park	24	129-5688	Rectangle
Turn/Park	24	3E-7741	Rectangle
Payload	24	8T-9683	Round
Payload	24	8T-9684	Round
Compartment	24	101-0461	Rectangle
Compartment	24	171-5672	Rectangle
Position	24	162-5402	Rectangle
Position	24	9X-1407	Rectangle
Service Indicator	24	107-2282	Rectangle
Service Indicator	24	125-6794	Rectangle



Dash Lamps

- Allows operators to read at night
- For use with miniature electrical lamps

Dash Lamps				
Item	Voltage	Wire Length	Body Assy.	Bulb
Dash Lamp	6	152-610 mm (36,701 in)	6N-8355	9B-3117
Dash Lamp	12	152-610 mm (36,710 in)	6N-8355	7M-9957
Dash Lamp	24	152-610 mm (36,701 in)	6N-8355	3H-2691



LED Bulbs

Care has to be taken when selecting LED indicators as a replacement for incandescent bulbs. LEDs do not operate like incandescent bulbs and will not work with diagnostic drivers and can possibly glow when powered by electronic controls due to leakage current. LED indicators do not have over-voltage protection circuitry so care has to be taken when used with other electrical devices (i.e. solenoids).

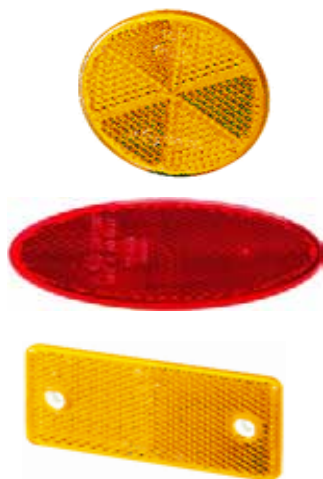
LED Bulbs								
Part Number	Volts	Base Type	Base Size	Bulb Size	Color	MSCD	Polarity	Notes
153-5042	24	Bayonet	A-1	T-3 1/4	Amber	2000	Bi-Polar	7-Cluster
163-1876	24	Wedge	W-2	T-3 1/4	Red	2500	Bi-Polar	Single/Diffuser
163-1878	24	Wedge	W-2	T-3 1/4	Amber	2000	Bi-Polar	7-Cluster
163-1879	24	Wedge	W-2	T-3 1/4	Green	2000	Bi-Polar	Single/Diffuser
163-1882	24	Bayonet	A-1	T-3 1/4	Red	2500	Bi-Polar	Single/Diffuser
163-1883	24	Bayonet	A-1	T-3 1/4	Amber	2000	Bi-Polar	7-Cluster
163-1884	24	Bayonet	A-1	T-3 1/4	Green	2000	Bi-Polar	Single/Diffuser
163-1885	24	Bayonet	A-1	T-3 1/4	Blue	150	Bi-Polar	Single/Diffuser
336-0067	24	Wedge	W-2	T-3 1/4	White	3000	Bi-Polar	7-Cluster
163-6509	24	Bayonet	A-1	T-3 1/4	White	3000	Bi-Polar	7-Cluster
165-5674	24	Bi-Pin		T-3 1/4	White	900	Polar	Single
171-1033	24	Bayonet	B-2	G-6	Red	5000	Bi-Polar	7-Cluster
188-3447	8	Wedge	W-2	T-3 1/4	White	1560	Bi-Polar	Single



Sealed Beam Electrical Lamps

Sealed Beam Electrical Lamps				
Part Number	Item	Voltage	ANSI Number	Wattage
1M-5899	Dual Head Lamp	24	4579	80/60
1M-5896	Flood Lamp	6	4078	50
2M-4168	Flood Lamp	12	4478	60
8T-9886	Flood Lamp	24	H4815	90
1M-5898	Flood Lamp	24	4578	60
110-3239	Flood Lamp	24	4490A	50
9W-1281	Flood Lamp (Halogen)	24	H4578	60
2P-7469	Flood Lamp (Screw Terminal)	12	4410	35
6N-7987	Flood Lamp (Screw Terminal)	24	4752	60
7G-9319	Fog Lamp	24	4402A	50
2M-4169	Head Lamp	12	7780	60
1M-5928	Head Lamp	24	4880	60
9W-1280	Head Lamp (Halogen)	24	H4880	60
7N-7682	Head Lamp (Screw Terminal)	24	4750	60
1M-5897	Hi/Lo Lamp	6	4031	45/35
1H-7027	Hi/Lo Lamp	12	4431	45/35
5S-5149	High Head Lamp	24	4814	90
8T-8753	High Head Lamp (Halogen)	24	H4814	90
5S-5150	Low Head Lamp	24	4813	90
8T-8752	Low Head Lamp (Halogen)	24	H4813	90
069-2999	Spot Lamp	12	4416	30
7T-1371	Spot Lamp	24	4505	50
7X-6220	Spot Lamp	24	4752R	60
6N-7982	Spot Lamp	24	4825R	50/18

Reflectors



Reflectors				
Part Number	Description	Color	Shape	Size
252-6645	Reflector	Yellow	Oval	100 x 45 x 5 mm
252-6646	Reflector	Red	Oval	100 x 45 x 5 mm
281-1521	Reflector	-----	Oval	180 x 88 mm
149-9363	Reflector	Red	Rectangle	105 x 55 x 10 mm
9R-1499	Reflector	Red	Rectangle	108 x 44 x 9 mm
9R-2404	Reflector	Amber	Rectangle	108 x 44 x 9 mm
6C-7583	Reflector	Red & White	Rectangle	130 x 2820 mm
195-0544	Reflector	Clear	Rectangle	170 x 110 x 7 mm
8I-6651	Reflector	Red	Rectangle	40 x 90 mm
129-8547	Reflector	Amber	Rectangle	45 x 73 mm
2U-9961	Reflector	Amber	Rectangle	51 x 114 x 13 mm
227-9859	Reflector	Red	Rectangle	70 x 31.5 x 5 mm
156-5431	Reflector	Red	Rectangle	76 x 44 x 8 mm
116-9621	Reflector	Yellow	Rectangle	94 x 44 x 7 mm
116-9622	Reflector	Red	Rectangle	94 x 44 x 7 mm
237-5174	Reflector	White	Rectangle	94 x 44 mm
206-2790	Reflector	-----	Rec (Mounted)	160 x 134 mm
6C-5712	Reflector	Orange	Rectangle	55 x 115 x 7 mm
158-1202	Reflector	Red	Round	60 mm
200-1613	Reflector	Red	Round	60 mm
200-1614	Reflector	Yellow	Round	60 mm
3A-8630	Reflector	Red	Round	60 mm
201-3975	Reflector	Red	Round	79 mm
142-3293	Reflector	Red	Round	81.3 mm
5W-1109	Reflector	-----	Round	95 mm
8Q-6669	Reflector	Red	Round	95 mm
142-3292	Reflector	Amber	Round	3 inch
5W-1170	Reflector	Amber	Round	60 mm
6C-5736	Reflector	Red	Round	85 mm



Suspended Mount
(Hanging type mounting)

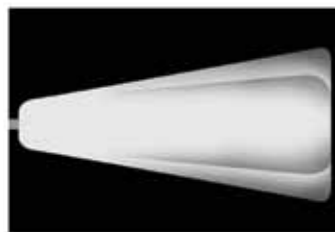
Light Patterns



Flood Beam Pattern
General & Work Lighting



Spot Beam Pattern
Concentrated Beam



Trapezoid Beam Pattern
Forward Illumination



Vertical Mount
(Pedestal type mounting)

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