



## Product Information Bulletin

# Eco-PAR PLUS Halogen Reflector Lamps

## New Lower Wattage Encapsulated PARs Expand the Eco-Halogen Product Line

Central Industries' selection of halogen PAR PLUS lamps utilizes Advanced Reflective Technology to increase light output at a reduced wattage. They are also an excellent energy-saving alternative to popular compact fluorescent lamps and expensive LED lamps. Our Eco-PAR PLUS lamps are a premium product, which provide all the benefits of halogen lighting while offering superior light quality. Available in familiar PAR styles, Eco-PAR PLUS lamps provide instant brightness and remain fully dimmable.

With energy savings that meet Federal EISA 2007 requirements, Eco-PAR PLUS lamps are perfect replacements for non-compliant PAR lamps that are no longer available to purchase. They are an effective and affordable solution to your lighting needs.



### Key Features and Benefits

- Energy-saving PARs meet EISA 2007 requirements for energy efficiency.
- Energy savings range from 16%-24% versus a standard Halogen PAR lamp with similar lumen (light) output.
- Lower wattage energy-saving option to standard Halogen PAR lamps.
- Advanced Reflective Technology increases light output.
- Crisp bright white light.
- Familiar shapes with traditional halogen performance.
- Dimmable/instant on/cold start.
- Available in convenient 2 packs.
- Eco-PAR PLUS lamps are ideal for commercial and residential applications.
- Mercury free.

### Cautions

- Turn power off before installation or removal.
- Be sure that sockets and fixture are in good condition.
- Be sure lamp is properly seated in the socket.
- Lamp gets **HOT**, allow fixture to cool before servicing.
- Replace lamp if outer shell is broken.
- Do not use near materials that are negatively affected by heat.
- The halogen capsule operates at high heat and pressure and may rupture causing personal injury or property damage.

### Product Offering

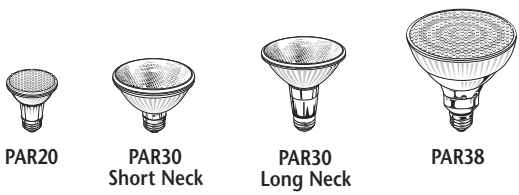
Lamp Type	Finish	Watts
PAR20	Flood	38W
PAR30 Short Neck	Flood	38W, 60W
PAR30 Long Neck	Flood	38W, 60W
PAR38	Flood	38W, 60W, 70W

### Application Information

For use in the following:

Decorative Fixtures	Outdoor Lighting	Health Care	Recessed Down Lights
Directional Lighting	Residential Lighting	General Purpose	Hospitality

**Perfect for use in recessed cans, spot lights or anywhere you would use a standard Halogen PAR lamp.**



Energy Used (Watts)	Base	Order No.	Domestic Code	Volts	Master Carton/Inner Pack	Incand. Equiv. Wattage	Pack Type	Finish	Light Appearance (Kelvin)	Brightness (Lumens)	Average Rated Hours	Life (in years)*	Est. Yearly Energy Cost**	MOL
<b>PAR20</b>														
38	Med.	<b>36850</b>	38PAR20/H/ECO/PLUS	120	24/6	50	Box	Flood	2750	500	2000	1.8	\$4.58	3 1/4"
	Med.	<b>36851</b>	38PAR20/H/ECO/PLUS	120	6	50	Box (2)	Flood	2750	500	2000	1.8	\$4.58	3 1/4"
<b>PAR30 Short Neck</b>														
38	Med.	<b>36847</b>	38PAR30/H/ECO/PLUS	120	24/6	50	Box	Flood	2750	530	2000	1.8	\$4.58	3 1/2"
60	Med.	<b>36846</b>	60PAR30/H/ECO/PLUS	120	24/6	75	Box	Flood	2850	1070	2000	1.8	\$7.23	3 1/2"
<b>PAR30 Long Neck</b>														
38	Med.	<b>36843</b>	38PAR30/H/LN/ECO/PLUS	120	24/6	50	Box	Flood	2750	520	2000	1.8	\$4.58	4 5/8"
60	Med.	<b>36842</b>	60PAR30/H/LN/ECO/PLUS	120	24/6	75	Box	Flood	2850	1070	2000	1.8	\$7.23	4 5/8"
	Med.	<b>36854</b>	60PAR30/H/LN/ECO/PLUS	120	6	75	Box (2)	Flood	2850	1070	2000	1.8	\$7.23	4 5/8"
<b>PAR38</b>														
38	Med.	<b>36852</b>	38PAR38/H/ECO/PLUS	120	12/6	45	Box	Flood	2750	550	2000	1.8	\$4.58	5 3/8"
	Med.	<b>36853</b>	38PAR38/H/ECO/PLUS	120	6	45	Box (2)	Flood	2750	550	2000	1.8	\$4.58	5 3/8"
60	Med.	<b>36839</b>	60PAR38/H/ECO/PLUS	120	12/6	75	Box	Flood	2850	1100	2000	1.8	\$7.23	5 3/8"
70	Med.	<b>36837</b>	70PAR38/H/ECO/PLUS	120	12/6	90	Box	Flood	2950	1310	2000	1.8	\$8.43	5 3/8"
	Med.	<b>36855</b>	70PAR38/H/ECO/PLUS	120	6	90	Box (2)	Flood	2950	1310	2000	1.8	\$8.43	5 3/8"

### Lamp Comparison

Lamp Type	Existing PAR Halogen Watts	Eco-PAR PLUS Halogen Watts	Existing PAR Halogen Approx. Lumens	Eco-PAR PLUS Halogen Approx. Lumens	Existing PAR Halogen Avg. Rated Hours	Eco-PAR PLUS Halogen Avg. Rated Hours	Energy Savings***
PAR20	50	38	550	500	2000	2000	\$2.64
PAR30 Short Neck	50	38	550	530	2000	2000	\$2.64
PAR30 Short Neck	75	60	1100	1070	2000	2000	\$3.30
PAR30 Long Neck	50	38	550	520	2000	2000	\$2.64
PAR30 Long Neck	75	60	1100	1070	2000	2000	\$3.30
PAR38	45	38	520	550	2000	2000	\$1.54
PAR38	75	60	1100	1100	2000	2000	\$3.30
PAR38	90	70	1270	1310	2000	2000	\$4.40

\* Based on 3 hrs./day    \*\* Based on 3 hrs./day 11¢/kWh - Cost depends on rates and use.    \*\*\* Based on 3 hrs./day 11¢/kWh over the life of the lamp