

**PHILIPS**

LED

Glass PAR lamps



# A classic design for a familiar look

Philips LED glass PAR Lamps with single optic technology provide the familiar look and feel traditional halogen PARs while using a fraction of the energy.

## Benefits

- Saves 85% energy When comparing a 13.5W PAR38 LED lamp to a 90W halogen PAR38 lamp<sup>†</sup>
- Long life lowers maintenance costs by reducing re-lamp frequency
- Will not fade colors, avoids inventory spoilage
- Contains no mercury
- Suitable for use in enclosed fixtures

## Features

- 25,000-hour claimed lifetime for Energy Star® Qualified lamps\*
- 50,000-hour LED lifetime\*\*
- Glass finish for a look and feel replicating traditional halogen PARs
- 3-year limited warranty depending upon operating hours<sup>‡</sup>

# Glass PAR Philips LED Lamp

Ordering, electrical and technical data (Subject to change without notice)

Product Number	Grainger Number	Order Code	Nom. Watts (W)	Repl. Watts (W)	Volts (V)	Lamp Type	Base	LED Lifetime <sup>1</sup> (hrs.)	Lumens	MBCP <sup>2</sup> (Cd)	Color Temp (K)	CRI	Dim <sup>3</sup>
46769-6	52ZX84	16PAR38/AMB/F25/827/DIM ULW	16	120	120	PAR38	E26 - Med	25,000	1,200	6000	2700K	80	Dimmable
46770-4	52ZX85	16PAR38/AMB/F25/830/DIM ULW	16	120	120	PAR38	E26 - Med	25,000	1,200	6000	3000K	80	Dimmable
46771-2	Sourcing*	16PAR38/AMB/F25/840/DIM ULW	16	120	120	PAR38	E26 - Med	25,000	1,200	6000	4000K	80	Dimmable
46818-1	52ZX86	16PAR38/AMB/F25/850/DIM ULW	16	120	120	PAR38	E26 - Med	25,000	1,200	6000	5000K	80	Dimmable
46772-0	52ZX87	16PAR38/AMB/F40/827/DIM ULW	16	120	120	PAR38	E26 - Med	25,000	1,200	2500	2700K	80	Dimmable
46773-8	52ZX88	16PAR38/AMB/F40/830/DIM ULW	16	120	120	PAR38	E26 - Med	25,000	1,200	2500	3000K	80	Dimmable
46774-6	Sourcing*	16PAR38/AMB/F40/840/DIM ULW	16	120	120	PAR38	E26 - Med	25,000	1,200	2500	4000K	80	Dimmable
46775-3	52ZX79	13.5PAR38/AMB/F25/827/DIM ULW	13.5	90	120	PAR38	E26 - Med	25,000	950	4100	2700K	80	Dimmable
46776-1	52ZX80	13.5PAR38/AMB/F25/830/DIM ULW	13.5	90	120	PAR38	E26 - Med	25,000	950	4100	3000K	80	Dimmable
46777-9	Sourcing*	13.5PAR38/AMB/F25/840/DIM ULW	13.5	90	120	PAR38	E26 - Med	25,000	950	4100	4000K	80	Dimmable
46819-9	52ZX81	13.5PAR38/AMB/F25/850/DIM ULW	13.5	90	120	PAR38	E26 - Med	25,000	950	4100	5000K	80	Dimmable
46778-7	52ZX82	13.5PAR38/AMB/F40/827/DIM ULW	13.5	90	120	PAR38	E26 - Med	25,000	950	1700	2700K	80	Dimmable
46779-5	52ZX83	13.5PAR38/AMB/F40/830/DIM ULW	13.5	90	120	PAR38	E26 - Med	25,000	950	1700	3000K	80	Dimmable
46780-3	Sourcing*	13.5PAR38/AMB/F40/840/DIM ULW	13.5	90	120	PAR38	E26 - Med	25,000	950	1700	4000K	80	Dimmable
46781-1	52ZX75	12PAR30L/AMB/F25/827/DIM ULW	12	75	120	PAR30L	E26 - Med	25,000	850	3300	2700K	80	Dimmable
46782-9	52ZX76	12PAR30L/AMB/F25/830/DIM ULW	12	75	120	PAR30L	E26 - Med	25,000	850	3300	3000K	80	Dimmable
46783-7	Sourcing*	12PAR30L/AMB/F25/840/DIM ULW	12	75	120	PAR30L	E26 - Med	25,000	850	3300	4000K	80	Dimmable
46784-5	52ZX77	12PAR30L/AMB/F40/827/DIM ULW	12	75	120	PAR30L	E26 - Med	25,000	850	1500	2700K	80	Dimmable
46785-2	52ZX78	12PAR30L/AMB/F40/830/DIM ULW	12	75	120	PAR30L	E26 - Med	25,000	850	1500	3000K	80	Dimmable
46786-0	Sourcing*	12PAR30L/AMB/F40/840/DIM ULW	12	75	120	PAR30L	E26 - Med	25,000	850	1500	4000K	80	Dimmable
46787-8	52ZX71	12PAR30S/AMB/F25/827/DIM ULW	12	75	120	PAR30S	E26 - Med	25,000	850	3300	2700K	80	Dimmable
46788-6	52ZX72	12PAR30S/AMB/F25/830/DIM ULW	12	75	120	PAR30S	E26 - Med	25,000	850	3300	3000K	80	Dimmable
46789-4	Sourcing*	12PAR30S/AMB/F25/840/DIM ULW	12	75	120	PAR30S	E26 - Med	25,000	850	3300	4000K	80	Dimmable
46790-2	52ZX73	12PAR30S/AMB/F40/827/DIM ULW	12	75	120	PAR30S	E26 - Med	25,000	850	1500	2700K	80	Dimmable
46791-0	52ZX74	12PAR30S/AMB/F40/830/DIM ULW	12	75	120	PAR30S	E26 - Med	25,000	850	1500	3000K	80	Dimmable
46792-8	Sourcing*	12PAR30S/AMB/F40/840/DIM ULW	12	75	120	PAR30S	E26 - Med	25,000	850	1500	4000K	80	Dimmable

\*Items available through Grainger Sourcing only.

## Energy Saving Solution

Estimated lighting costs using a standard 90W PAR38 Halogen lamp		
Present Wattage	90	W
× Annual operating hours	4,000	hrs
=	360,000	Watt-Hours
÷ 1,000	=	360 kWh per year
× kWh rate of \$0.11	=	\$39.60 per year
× 100 lamps	\$3,960.00	annual energy cost per space
Estimated Lighting Costs Using a Philips 13.5W PAR38 LED lamp		
Present Wattage	13.5	W
× Annual operating hours	4,000	hrs
=	54,000	Watt-Hours
÷ 1,000	=	54 kWh per year
× kWh rate of \$0.11	=	\$5.94 per year
× 100 lamps	\$594.00	annual energy cost per space
<b>Total estimated annual savings<sup>‡</sup></b>	<b>\$3,366.00</b>	
‡ Based on 100 lamps per space operating at 4,000 hours per year		

- LED lifetime means the length of time (in hours) until half of the LED light sources maintain at least 70% of their initial lumen output (B50,L70).
  - Based on photometric testing consistent with IES LM-79. Maximum Beam Candlepower.
  - Dimmable when using leading and trailing edge dimmers. (See <http://www.philips.com/ledtechguide> for compatible dimmers.)
- This lamp is ENERGY STAR<sup>®</sup> Certified.

Footnotes from front:

- \* Early initial qualification for Energy Star allows for directional lamp life claims of 25,000 hours (L70) with 3,000 hour actual test data, LM80 data and in-situ temperature measurements. As the lamps pass Energy Star requirements, manufacturers may increase the lifetime of a product as dictated by Energy Star guidelines. See [http://www.energystar.gov/index.cfm?fuseaction=products\\_for\\_partners.showLightbulbs](http://www.energystar.gov/index.cfm?fuseaction=products_for_partners.showLightbulbs) for further details.
- \*\* LED lifetime means the length of time (in hours) until half of the LED light sources maintain at least 70% of their initial lumen output (B50, L70).
- ‡ For details, please visit [http://www.usa.lighting.philips.com/connect/tools\\_literature/warranties.wpd](http://www.usa.lighting.philips.com/connect/tools_literature/warranties.wpd)
- † Light output comparison based upon the ENERGY STAR<sup>®</sup> Integral LED Lamp Center Beam Intensity Benchmark tool which can be found at [EnergyStar.gov/LEDbulbs\\_LED\\_Light\\_Bulbs\\_for\\_Partners\\_Program\\_Requirements\\_PDF\\_Pg\\_11](http://EnergyStar.gov/LEDbulbs_LED_Light_Bulbs_for_Partners_Program_Requirements_PDF_Pg_11).

# Glass PAR Philips LED Lamp

Shipping data (Subject to change without notice)

Product Number	SKU UPC (0-46677)	Outer Bar Code (5-00-46677)	Case Qty.	Case Weight (lbs)	Case Volume (cu. ft.)	Pallet Qty	SKU's per layer	Layers High	SKU Dimensions (L x W x H) (In.)	Case Dimensions (L x W x H) (In.)	Pallet Dimensions (L x W x H) (In.)
52ZX84	46769-2	46769-7	6	6.51	0.72	384	48	8	4.9 x 4.9 x 5.4	17.2 x 12.1 x 6.0	47.2 x 39.4 x 54.0
52ZX85	46770-8	46770-3	6	6.51	0.72	384	48	8	4.9 x 4.9 x 5.4	17.2 x 12.1 x 6.0	47.2 x 39.4 x 54.0
Sourcing*	46771-5	46771-0	6	6.51	0.72	384	48	8	4.9 x 4.9 x 5.4	17.2 x 12.1 x 6.0	47.2 x 39.4 x 54.0
52ZX86	46818-7	46818-2	6	6.51	0.72	384	48	8	4.9 x 4.9 x 5.4	17.2 x 12.1 x 6.0	47.2 x 39.4 x 54.0
52ZX87	46772-2	46772-7	6	6.51	0.72	384	48	8	4.9 x 4.9 x 5.4	17.2 x 12.1 x 6.0	47.2 x 39.4 x 54.0
52ZX88	46773-9	46773-4	6	6.51	0.72	384	48	8	4.9 x 4.9 x 5.4	17.2 x 12.1 x 6.0	47.2 x 39.4 x 54.0
Sourcing*	46774-6	46774-1	6	6.51	0.72	384	48	8	4.9 x 4.9 x 5.4	17.2 x 12.1 x 6.0	47.2 x 39.4 x 54.0
52ZX79	46775-3	46775-8	6	6.51	0.72	384	48	8	4.9 x 4.9 x 5.4	17.2 x 12.1 x 6.0	47.2 x 39.4 x 54.0
52ZX80	46776-0	46776-5	6	6.51	0.72	384	48	8	4.9 x 4.9 x 5.4	17.2 x 12.1 x 6.0	47.2 x 39.4 x 54.0
Sourcing*	46777-7	46777-2	6	6.51	0.72	384	48	8	4.9 x 4.9 x 5.4	17.2 x 12.1 x 6.0	47.2 x 39.4 x 54.0
52ZX81	46819-4	46819-9	6	6.51	0.72	384	48	8	4.9 x 4.9 x 5.4	17.2 x 12.1 x 6.0	47.2 x 39.4 x 54.0
52ZX82	46778-4	46778-9	6	6.51	0.72	384	48	8	4.9 x 4.9 x 5.4	17.2 x 12.1 x 6.0	47.2 x 39.4 x 54.0
52ZX83	46779-1	46779-6	6	6.51	0.72	384	48	8	4.9 x 4.9 x 5.4	17.2 x 12.1 x 6.0	47.2 x 39.4 x 54.0
Sourcing*	46780-7	46780-2	6	6.51	0.72	384	48	8	4.9 x 4.9 x 5.4	17.2 x 12.1 x 6.0	47.2 x 39.4 x 54.0
52ZX75	46781-4	46781-9	6	4.92	0.34	768	96	8	4.1 x 4.1 x 4.9	12.5 x 8.4 x 5.6	47.2 x 39.4 x 50.2
52ZX76	46782-1	46782-6	6	4.92	0.34	768	96	8	4.1 x 4.1 x 4.9	12.5 x 8.4 x 5.6	47.2 x 39.4 x 50.2
Sourcing*	46783-8	46783-3	6	4.92	0.34	768	96	8	4.1 x 4.1 x 4.9	12.5 x 8.4 x 5.6	47.2 x 39.4 x 50.2
52ZX77	46784-5	46784-0	6	4.92	0.34	768	96	8	4.1 x 4.1 x 4.9	12.5 x 8.4 x 5.6	47.2 x 39.4 x 50.2
52ZX78	46785-2	46785-7	6	4.92	0.34	768	96	8	4.1 x 4.1 x 4.9	12.5 x 8.4 x 5.6	47.2 x 39.4 x 50.2
Sourcing*	46786-9	46786-4	6	4.92	0.34	768	96	8	4.1 x 4.1 x 4.9	12.5 x 8.4 x 5.6	47.2 x 39.4 x 50.2
52ZX71	46787-6	46787-1	6	4.03	0.26	1056	96	11	4.1 x 4.1 x 3.6	12.5 x 8.4 x 4.3	47.2 x 39.4 x 52.6
52ZX72	46788-3	46788-8	6	4.03	0.26	1056	96	11	4.1 x 4.1 x 3.6	12.5 x 8.4 x 4.3	47.2 x 39.4 x 52.6
Sourcing*	46789-0	46789-5	6	4.03	0.26	1056	96	11	4.1 x 4.1 x 3.6	12.5 x 8.4 x 4.3	47.2 x 39.4 x 52.6
52ZX73	46790-6	46790-1	6	4.03	0.26	1056	96	11	4.1 x 4.1 x 3.6	12.5 x 8.4 x 4.3	47.2 x 39.4 x 52.6
52ZX74	46791-3	46791-8	6	4.03	0.26	1056	96	11	4.1 x 4.1 x 3.6	12.5 x 8.4 x 4.3	47.2 x 39.4 x 52.6
Sourcing*	46792-0	46792-5	6	4.03	0.26	1056	96	11	4.1 x 4.1 x 3.6	12.5 x 8.4 x 4.3	47.2 x 39.4 x 52.6

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## WARNINGS AND CAUTIONS

- Suitable for use in wet locations
- Before replacing, turn off power and let lamp cool to avoid electrical shock or burn

**CAUTION:** Risk of electric shock

**NOTES:** This device complies with Part 15 of the FCC rule. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This Class B complies with Canadian ICES-005.

For more information, contact your Grainger Representative or visit [www.grainger.com](http://www.grainger.com)



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