PHILIPS

LED

GU10 and
PAR20 lamps

The optimal LED accent light in a **sleek design for a seemless look**

Philips is driving the switch to energy-efficient solutions. Upgrade your track and accent lights with our small diameter reflectors for instant energy savings and unbeatable quality. Featuring dimming with a warm glow effect (2700K only), Philips LEDs are the ideal replacement for halogen.

Benefits

- Saves 86% energy when compared to a 50W halogen PAR20†
- GU10 options are T20 compliant and can be sold in California
- Long life lowers maintenance costs by reducing re-lamp frequency
- Will not fade colors, avoids inventory spoilage
- Contains no mercury

Features

- Conventional look and feel
- Color warms when dimmed (2700K to 2200K)
- 25,000-hour rated average life for Energy Star® qualified lamps*
- 3-year limited warranty depending upon operating hours‡

Footnotes on page 3.

Philips GU10 and PAR20 LED lamps

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

Product Number	12NC	Description	Watts	Replacement Watts	Lumens	Volts	CRI	LED Lifetime[1,2]	CCT	MC/ CP[3]	MBCP[2] (Cd)	Dim[4]	Energy Star ID
GU10 lamps													
47156-5	929002055304	4GU10/LED/927-22/F35/G/WG/ T20 10/1	4	50	380	120	90	25,000	2700-2200	MC	600	Y	2288364
46814-0	929002055504	4GU10/LED/930/F35/DIM/ G/120V T20 10/1	4	50	380	120	90	25,000	3000	MC	600	Y	2296934
PAR20 lamps (E26 – Medium base)													
47111-0	9290013165	7PAR20/LED/F25/830/E26/GL/ DIM 120V	7	50	500	120	80	25,000	3000	CP	1500	Y	2298258
47112-8	9290013167	7PAR20/LED/F25/840/E26/GL/ DIM 120V	7	50	500	120	80	25,000	4000	CP	1500	Y	2298256
47114-4	9290013169	7PAR20/LED/F40/830/E26/GL/ DIM 120V	7	50	500	120	80	25,000	3000	CP	1000	Y	2298257
47115-1	9290013170	7PAR20/LED/F40/840/E26/GL/ DIM 120V	7	50	500	120	80	25,000	4000	CP	1000	Y	2298255
47110-2	9290013172	7PAR20/LED/F25/827-822/E26/ GL/DIM 120V	7	50	500	120	80	25,000	2700-2200	CP	1500	Y	2300052
47113-6	9290013173	7PAR20/LED/F40/827-822/E26/ GL/DIM 120V	7	50	500	120	80	25,000	2700-2200	CP	800	Y	2300054

Energy saving solution

Estimated lighting costs using a standard 50W PAR20 halide lamp			
Present wattage		50	W
× Annual operating hours		4,000	hrs
	=	200,000	Watt-Hours
÷ 1,000	=	200	kWh per year
× kWh rate of $0.11	=	$22.00	per year
× 100 lamps		$2,200.00	annual energy cost per space

Estimated lighting costs using a Philips 6W PAR20 LED replacement lamp			
Present wattage		7	W
× Annual operating hours		4,000	hrs
	=	28,000	Watt-Hours
÷ 1,000	=	28	kWh per year
× kWh rate of $0.11	=	$3.08	per year
× 100 lamps		$308.00	annual energy cost per space
Total estimated annual savings◊		**$1,892.00**	

◊ Based on 100 lamps per space operating at 4,000 hours per year at 11¢/kWh. Cost depends on rates and use.

This example shows an application of 100 7W LED PAR20 replacement lamps operating 4,000 hours per year at a cost of $0.11 per kWh. Replacing 100 standard 50W PAR20 halogen lamps with the Philips LED replacement lamps can provide significant energy cost savings of $1,892.00 per year. Your actual savings may vary depending on the energy costs in your geographic location.

Footnotes on page 3.

Philips GU10 and PAR20 LED lamps

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.	SKUs 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.)
47156-5	47156-9	47156-4	10	1.52	0.081	5700	380	15	2.0 x 2.0 x 2.4	10.4 x 4.5 x 3.0	48.0 x 40.0 x 51.6
46814-0	46814-9	46814-4	10	1.52	0.081	5700	380	15	2.0 x 2.0 x 2.4	10.4 x 4.5 x 3.0	48.0 x 40.0 x 51.6
47111-0	46498-1	46498-6	6	38.55	0.12	2244	204	11	2.8 x 2.7 x 3.6	8.6 x 5.8 x 4.2	47.2 x 39.4 x 52.1
47112-8	46499-8	46499-3	6	38.55	0.12	2244	204	11	2.8 x 2.7 x 3.6	8.6 x 5.8 x 4.2	47.2 x 39.4 x 52.1
47114-4	46372-4	46372-9	6	38.55	0.12	2244	204	11	2.8 x 2.7 x 3.6	8.6 x 5.8 x 4.2	47.2 x 39.4 x 52.1
47115-1	46364-9	46364-4	6	38.55	0.12	2244	204	11	2.8 x 2.7 x 3.6	8.6 x 5.8 x 4.2	47.2 x 39.4 x 52.1
47110-2	46365-6	46365-1	6	38.55	0.12	2244	204	11	2.8 x 2.7 x 3.6	8.6 x 5.8 x 4.2	47.2 x 39.4 x 52.1
47113-6	46366-3	46366-8	6	38.55	0.12	2244	204	11	2.8 x 2.7 x 3.6	8.6 x 5.8 x 4.2	47.2 x 39.4 x 52.1

WARNINGS AND CAUTIONS
- Suitable for use in damp locations.
- Can be used in enclosed luminaires.
- Before replacing, turn off power and let lamp cool to avoid electrical shock or burn.

CAUTION: Risk of electric shock— do not use where directly exposed to water.

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. This Class B digital apparatus complies with Canadian ICES-005. 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.

Footnotes:

1. 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 for further details. Based on average usage of 3 hrs/day, 7 days/week.
2. Based on photometric testing consistent with IES LM-79. Maximum Beam Candlepower.
3. MC/CP=MasterClass or CorePro
4. Dimmable when using leading and trailing edge dimmers. (See http://www.philips.com/ledtechguide for compatible dimmers.)

This lamp is ENERGY STAR® 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 for further details.

‡ For details, please visit www.signify.com/warranties

† Light output comparison based upon the ENERGY STAR® Integral LED Lamp Center Beam Intensity Benchmark tool which can be found at EnergyStar.gov/LEDbulbs, LED

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