



High Performance  
**LED LIGHTING  
SOLUTIONS**



+ PAR30



+ PAR20



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Bridging science with the

# ARCHITECTURE OF LIGHT

At Lighting Science, our engineers design LED lighting that can help you save energy, reduce your environmental impact, and provide superior lighting quality for every environment. Whether you are looking to improve your overall lighting quality or cut your energy bill, our LED lamps provide the best solution for every lighting application.

Lighting Science delivers LED lighting solutions for better living and a healthier planet.



Beautiful lighting quality with outstanding

# PERFORMANCE

The latest LED lamp series from Lighting Science achieves superior performance through efficient power supplies, unique thermal solutions, top-tier LED technology, leading edge optical control solutions and rigid binning techniques that result in visually pleasing quality of light for all retrofit applications.

## WHY CHOOSE LIGHTING SCIENCE?

- ENERGY STAR qualified lamps available throughout line to meet rebate requirements
- No UV or infrared light – safeguarding vibrant colors and inventory
- Innovative thermal management for reduced heat generation
- Longer life than traditional lamps
- Dimmable – down to as low as 10% with a wide array of dimmers
- Instant-on with no warm up, unlike CFL
- Extensive range of color temperatures
- Incandescent equivalents up to 120W
- RoHS compliant-contains no mercury or lead
- 5 year limited warranty



# PAR38

## FEATURES

- Lower wattage lamps - requires 80% less power than comparable halogen lamps.
- Dimmable to 10% on most dimmers.
- Four available color temperatures and two available beam angles.
- Suitable for wet locations.
- Maintenance free operation, lasts up to 40x longer than incandescent lighting.
- RoHS compliant - Contains no Mercury or Lead.

## BENEFITS

- Reduced energy usage – decreases energy related costs.
- Variable light intensity creates optimal light quality.
- Offers a multitude of combinations and directionality to fit almost any need or application.
- Long rated life – reduces maintenance cost.
- Innovative materials reduce waste and environmental impact.

## APPLICATIONS

- Accent or security lighting for commercial, residential and retail applications.

## ANNUAL OVERALL SAVINGS<sup>1</sup>

Standard Halogen	PAR38 90WE
Maintenance Cost <b>\$29</b>	Savings <b>\$24</b>
Electricity Cost <b>\$29</b>	Electricity Cost <b>\$4</b>

**PAR38 90WE LIFETIME SAVINGS:  
\$325**

Two power configurations  
available 16W / 19W



## PAR38 COMPARISON

	HALOGEN	PAR38 90WE
WATTAGE:	90W	16W
LIFETIME:	3,000 HRS	UP TO 40,000 HRS

Up to 84% energy savings!

**PAR38** ★

Part Number	Base Type	Wattage	Beam Angle <sup>1</sup>	Lumens	Voltage	Efficacy	CRI	CBCP
LS 38 90WE W27 NFL 120 S1 BX	E26	16	25	960	120	60	80	3697
LS 38 90WE WW NFL 120 S1 BX	E26	16	25	960	120	60	80	3697
LS 38 90WE NW NFL 120 S1 BX	E26	16	25	1020	120	64	80	3697
LS 38 90WE CW NFL 120 S1 BX	E26	16	25	1000	120	63	80	3697
LS 38 90WE W27 FL 120 S1 BX	E26	16	40	950	120	59	80	1533
LS 38 90WE WW FL 120 S1 BX	E26	16	40	1000	120	63	80	1533
LS 38 90WE NW FL 120 S1 BX	E26	16	40	1020	120	64	80	1533
LS 38 90WE CW FL 120 S1 BX	E26	16	40	1100	120	69	80	1533
LS 38 120WE W27 NFL 120 S1 BX	E26	19	25	1200	120	63	80	5382
LS 38 120WE WW NFL 120 S1 BX	E26	19	25	1250	120	66	80	5382
LS 38 120WE NW NFL 120 S1 BX	E26	19	25	1150	120	61	80	5382
LS 38 120WE CW NFL 120 S1 BX	E26	19	25	1180	120	62	80	5382
LS 38 120WE W27 FL 120 S1 BX	E26	19	40	1200	120	63	80	2231
LS 38 120WE WW FL 120 S1 BX	E26	19	40	1200	120	63	80	2231
LS 38 120WE NW FL 120 S1 BX	E26	19	40	1150	120	61	80	2231
LS 38 120WE CW FL 120 S1 BX	E26	19	40	1300	120	68	80	2231

FL: Flood NFL: Narrow Flood SP: Spot NW: Neutral White WW: Warm White W27: Soft White 2700K CW: Cool White  
CBCP: Center Beam Candle Power

**SPECIFICATIONS<sup>3</sup>**

Equivalent Source Standard	90W & 120W Incandescent
Rated Life	40,000 hours
Housing	Aluminum
Socket	E26
Beam Spread	40°, 25°
Flood, Narrow Flood	
Operating Temperature	-20°C to +40°C
E26 MOL	5.08in, 129.03mm
Voltage	120VAC
Weight	1lbs., 453.59g
Power Factor	≥.9
Warranty	5 year limited

**DIMMER COMPATABILITY<sup>2</sup>**

**90WE PAR38**

LUTRON

C\*L Wall Mount: DIVA/SKYLARK/SKYLARK CONTOUR/ARIANDI/TOGGLER/LUMEA

Radora2: RRD-10ND, RRD-6NA

Maestro Wireless: MRF2-6ND

Homeworks Qs: HQRD-6ND, HQRD-10ND, HQRD-6NA, HXD-6ND

Stanza: SZ-6ND

Panel Modules: HW/LP-RPM-4A-120, HW/LP-RPM-4U-120, GP (HARRIER) CARD

Grafik Eye: GRAFIK EYE QS MAIN UNIT FAMILY, GRAFIK EYE 3000 FAMILY

**120WE PAR38**

LUTRON

C\*L Wall Mount: DIVA/SKYLARK/SKYLARK CONTOUR/ARIADNI/TOGGLER/LUMEA

Panel Modules: HW/LP-RPM-4A-120, HW/LP-RPM-4U-120, GP (HARRIER) CARD

Grafik Eye: GRAFIK EYE QS MAIN UNIT FAMILY, GRAFIK EYE 3000 FAMILY

Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines.

1 Savings based on 8hrs/day annual hours of operation, \$0.114 average cost per KWH, \$40/hr. cost of labor and 15 minutes maintenance time to change lamp.

2 Dimmer compatibility list indicates those dimmers that have been tested and operate properly under normal conditions. In certain cases, approved dimmers are offered in higher wattage varieties that are also compliant and allow the installation of additional lamps if kept within the maximum inrush current equivalent provided in the table. Each application is unique and various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Consult dimming system manufacturer for additional support in operation.

3 Values are nominal, advances from further innovation, specifications are subject to change.

★ Visit [www.lsgc.com/energystar](http://www.lsgc.com/energystar) for list of ENERGY STAR qualified lamps.



**ORDERING INFORMATION \ \ LS 38 90WE WW FL 120 S1 BX**

Family	Product	Watt Equivalent	Color (CCT)	Distribution	Voltage	Family	Packaging
LS Lighting Science	38 PAR38	90WE 90W Equivalent	W27 Soft White 2700K	FL Flood	120 120 Volt	S1 S1	BX Box
		120WE 120W Equivalent	WW Warm White 3000K	NFL Narrow Flood			
			NW Neutral White 4000K				
			CW Cool White 5000K				

**NORTH AMERICAN CERTIFICATIONS**



**ENVIRONMENT**





# PAR30 & PAR20

## FEATURES

- Lower wattage lamps - requires 80% less power than comparable halogen lamps.
- Dimmable to 10% on most dimmers.
- Four available color temperatures and two available beam angles.
- Suitable for wet locations.
- Maintenance free operation, lasts up to 40x longer than incandescent lighting.
- RoHS Compliant - contains no Mercury or Lead.

## BENEFITS

- Reduced energy usage – decreases energy related costs.
- Variable light intensity creates optimal light quality.
- Offers a multitude of combinations and directionality to fit almost any need or application.
- Allows for flexibility in application.
- Long rated life – reduces maintenance cost.
- Innovative materials reduce waste and environmental impact.

## APPLICATIONS

- Accent or security lighting for commercial, residential and retail applications.

## ANNUAL OVERALL SAVINGS<sup>1</sup>

Standard Halogen	PAR30 75WE
Maintenance Cost <b>\$29</b>	Savings <b>\$20</b>
Electricity Cost <b>\$24</b>	Electricity Cost <b>\$4</b>

**PAR30 75WE LIFETIME SAVINGS:  
\$268**

Lasts up to 40x longer than halogen!



## PAR30 COMPARISON

	HALOGEN	PAR30 75WE
WATTAGE:	75W	14W
LIFETIME:	3,000 HRS	UP TO 40,000 HRS

Up to 81% energy savings!



**PAR30** ★

Part Number	Base Type	Wattage	Beam Angle <sup>1</sup>	Lumens	Voltage	Efficacy	CRI	CBCP
LS 30 75WE W27 NFL 120 S1 BX	E26	14	25	800	120	57	80	2910
LS 30 75WE WW NFL 120 S1 BX	E26	14	25	835	120	60	80	2910
LS 30 75WE NW NFL 120 S1 BX	E26	14	25	835	120	60	80	2910
LS 30 75WE CW NFL 120 S1 BX	E26	14	25	935	120	67	80	2910
LS 30 75WE W27 FL 120 S1 BX	E26	14	40	800	120	57	80	1315
LS 30 75WE WW FL 120 S1 BX	E26	14	40	800	120	57	80	1315
LS 30 75WE NW FL 120 S1 BX	E26	14	40	820	120	59	80	1315
LS 30 75WE CW FL 120 S1 BX	E26	14	40	900	120	64	80	1315

**PAR20** ★

Part Number	Base Type	Wattage	Beam Angle <sup>1</sup>	Lumens	Voltage	Efficacy	CRI	CBCP
LS 20 50WE W27 NFL 120 S1 BX	E26	8	25	460	120	58	80	1179
LS 20 50WE WW NFL 120 S1 BX	E26	8	25	470	120	59	80	1179
LS 20 50WE NW NFL 120 S1 BX	E26	8	25	470	120	59	80	1179
LS 20 50WE CW NFL 120 S1 BX	E26	8	25	490	120	61	80	1179
LS 20 50WE W27 FL 120 S1 BX	E26	8	40	490	120	61	80	593
LS 20 50WE WW FL 120 S1 BX	E26	8	40	450	120	56	80	593
LS 20 50WE NW FL 120 S1 BX	E26	8	40	490	120	61	80	593
LS 20 50WE CW FL 120 S1 BX	E26	8	40	500	120	63	80	593

NFL: Narrow Flood FL: Flood NW: Neutral White WW: Warm White W27: Warm White 2700K CW: Cool White  
CBCP: Center Beam Candle Power

**SPECIFICATIONS<sup>3</sup>**

Equivalent Source	75W Incandescent
Rated Life	40,000 hours
Housing	Aluminum
Socket	E26
Beam Spread	40°, 25°
Operating Temperature	-20°C to +40°C
Dimensions (MO L x W)	4.6in (119mm) x 3.74in (95mm)
Voltage	120VAC
Weight	0.6lbs., 272.15g
Power Factor	≥0.9
Warranty	5 year limited

**SPECIFICATIONS<sup>3</sup>**

Equivalent Source	Up to 50W Incandescent
Rated Life	40,000 hours
Housing	Aluminum
Socket	E26
Beam Spread	40°, 25°
Operating Temperature	-20°C to +40°C
Dimensions (MO L x W)	3.3in (86mm) x 2.48in (62.99mm)
Voltage	120VAC
Weight	0.35lbs., 158.75g
Power Factor	≥0.9
Warranty	5 year limited

**DIMMER COMPATABILITY<sup>2</sup>**

**75WE PAR30**

**LUTRON**

RadioRA2 : RRD-10ND

Maestro Wireless : MRF2-6ND

Homeworks QS : HQRD-6ND, HQRD-10ND, HxD-6ND

Stanza : SZ-6ND

Panel Modules : HW/LP-RPM-4A-120, HW/LP-RPM-

4U-120, GP (Harrier) Card,

Grafik Eye : Grafik Eye QS Main Unit Family, Grafik Eye

3000 Family

**50WE PAR20**

**LUTRON**

Maestro : MAEL-153M

Homeworks QS : HxD-6ND

Stanza : SZ-6ND

Panel Modules : HW/LP-RPM-4A-120, HW/LP-RPM-

4U-120, GP (Harrier) Card

Grafik Eye : Grafik Eye QS Main Unit Family, Grafik Eye

3000 Family

Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines.

1 Savings based on 8hrs/day annual hours of operation, \$0.114 average cost per KWH, \$40/hr. cost of labor and 15 minutes maintenance time to change lamp.

2 Dimmer compatibility list indicates those dimmers that have been tested and operate properly under normal conditions. In certain cases, approved dimmers are offered in higher wattage varieties that are also compliant and allow the installation of additional lamps if kept within the maximum inrush current equivalent provided in the table. Each application is unique and various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Consult dimming system manufacturer for additional support in operation.

3 Values are nominal, advances from further innovation, specifications are subject to change.

★ Visit [www.lsgc.com/energystar](http://www.lsgc.com/energystar) for list of ENERGY STAR qualified lamps.



**ORDERING INFORMATION \ \ LS 30 75WE WW FL 120 S1 BX**

Family	Product	Watt Equivalent	Color (CCT)	Distribution	Voltage	Family	Packaging
LS Lighting Science	30 PAR30	75WE 75W Equivalent	W27 Soft White 2700K	FL Flood	120 120 Volt	S1 S1	BX Box
	20 PAR20	50WE 50W Equivalent	WW Warm White 3000K	NFL Narrow Flood			
			NW Neutral White 4000K				
			CW Cool White 5000K				

**NORTH AMERICAN CERTIFICATIONS**



**ENVIRONMENT**





# BR20, BR30 & BR40

## FEATURES

- Soft light with wide, flood distribution.
- Dimmable to 10% on most dimmers.
- Maintenance free operation, lasts up to 25x longer than conventional lighting.
- 25,000 hour rated design life.
- RoHS compliant – contains no mercury or lead.
- Uniform design with reduced materials.

## BENEFITS

- Optical design achieves smooth beam pattern to achieve a warm room filling glow and minimize glare.
- Long rated life – reduces maintenance cost.
- Innovative materials reduce waste and environmental impact.
- Installs easily into new or retrofit applications.

## APPLICATIONS

- Downlighting for recessed cans in commercial, residential, retail, hospitality and office applications.

25,000 hour rated design life

## ANNUAL OVERALL SAVINGS<sup>1</sup>

Standard Incandescent

BR30 65WE

Maintenance Cost <b>\$29</b>	Savings <b>\$18</b>
Electricity Cost <b>\$21</b>	Electricity Cost <b>\$3</b>

**BR30 65WE LIFETIME SAVINGS:  
\$151**

## BR30 COMPARISON

	INCANDESCENT	BR30
WATTAGE:	75W	10W
LIFETIME:	2,000 HRS	UP TO 25,000 HRS

Up to 84% energy savings!



**BR20** ★

Part Number	Base Type	Wattage	Lumens	Voltage	Efficacy	CRI
LS BR20 50WE W27 120 CB BX	E26	8	550	120	69	80
LS BR20 50WE CW 120 CB BX	E26	8	600	120	75	80

**BR30** ★

Part Number	Base Type	Wattage	Lumens	Voltage	Efficacy	CRI
LS BR30 65WE W27 120 CB BX	E26	10	650	120	65	80
LS BR30 65WE CW 120 CB BX	E26	10	700	120	70	80

**BR40** ★

Part Number	Base Type	Wattage	Lumens	Voltage	Efficacy	CRI
LS BR40 90WE W27 120 CB BX	E26	14	1000	120	71	80
LS BR40 90WE CW 120 CB BX	E26	14	1050	120	75	80

NW: Neutral White WW: Warm White W27: Warm White 2700K CW: Cool White

**BR20 SPECIFICATIONS<sup>3</sup>**

Equivalent Source	50W Incandescent BR
Rated Life	25,000 hours
Housing	Aluminum
Socket	E26
Operating Temperature	-20°C to +40°C
Dimensions (MOL x W)	3.8in (96.52mm) x 2.9in (74mm)
Voltage	120VAC
Weight	3.8 oz, 110g
Power Factor	≥.95
Warranty	5 year limited

**BR30 SPECIFICATIONS<sup>3</sup>**

Equivalent Source	65W Incandescent BR
Rated Life	25,000 hours
Housing	Aluminum
Socket	E26
Operating Temperature	-20°C to +40°C
Dimensions (MOL x W)	5.2in (132.08mm) x 4in (102mm)
Voltage	120VAC
Weight	4.9 oz, 140g
Power Factor	≥.95
Warranty	5 year limited

**BR40 SPECIFICATIONS<sup>3</sup>**

Equivalent Source	90W Incandescent BR
Rated Life	25,000 hours
Housing	Aluminum
Socket	E26
Operating Temperature	-20°C to +40°C
Dimensions (MOL x W)	5.5 in (139.7mm) x 5in (127mm)
Voltage	120VAC
Weight	7.05 oz, 200g
Power Factor	≥.94
Warranty	5 year limited

Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines.

<sup>1</sup> Savings based on 8hrs/day annual hours of operation, \$0.114 average cost per KWH, \$40/hr. cost of labor and 15 minutes maintenance time to change lamp.

<sup>2</sup> Dimmer compatibility list indicates those dimmers that have been tested and operate properly under normal conditions. In certain cases, approved dimmers are offered in higher wattage varieties that are also compliant and allow the installation of additional lamps if kept within the maximum inrush current, equivalent provided in the table. Each application is unique and various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Consult dim51ng system manufacturer for additional support in operation.

<sup>3</sup> Values are nominal, advances from further innovation, specifications are subject to change.

**DIMMER COMPATABILITY<sup>2</sup>**

**50WE BR20**

LUTRON

C\*L Wall Mount: Diva/Skylark/Skylark  
Contour/Ariadni/Toggler/Lumea

Maestro: MACL-153M

RadioRA2: RRD-6NA

Homeworks QS: HQRD-6NA

**65WE BR30**

LUTRON

C\*L Wall Mount: Diva/Skylark/Skylark  
Contour/Ariadni/Toggler/Lumea

Maestro: MACL-153M

**90WE BR40**

LUTRON

Maestro: MACL-153M

Maestro Wireless: MRF2-6ND

Homeworks QS: HQRD-6ND,  
HQRD-10ND

Maestro Sensor: MSCL-OP153M,  
MSCL-VP153M



Visit [www.lsgc.com/energystar](http://www.lsgc.com/energystar) for list of ENERGY STAR qualified lamps.



**ORDERING INFORMATION \ \ LS BR20 50WE WW 120 CB BX**

Family	Product	Watt Equivalent	Color (CCT)	Voltage	Family	Packaging
LS Lighting Science	BR20 BR20	50WE 50W Equivalent	W27 Warm White 2700K	120 120 Volt	CB Chicken Bone	BX Box
	BR30 BR30	65WE 65W Equivalent	CW Cool White 5000K			
	BR40 BR40	90WE 90W Equivalent				

**NORTH AMERICAN CERTIFICATIONS**



**ENVIRONMENT**





# MR16

## FEATURES

- Up to 80% more efficient than comparable halogen lamps.
- Dimmable to 10% on most dimmers.
- Two available color temperatures and two available beam angles.
- Maintenance free operation, lasts up to 11x longer than conventional lighting.
- 25,000 hour rated design life.
- RoHS compliant – contains no mercury or lead.
- Uniform design with reduced materials.

## BENEFITS

- Reduced energy usage – decreases energy related costs.
- Variable light intensity creates optimal light quality.
- Offers a multitude of combinations and directionality to fit almost any need or application.
- Long rated life – reduces maintenance cost.
- Innovative materials reduce waste and environmental impact.
- Installs easily into new or retrofit applications.

## APPLICATIONS

- Track and accent lighting for residential, retail, hospitality and office applications.

## ANNUAL OVERALL SAVINGS<sup>1</sup>

Standard Halogen	MR16 50WE
Maintenance Cost <b>\$29</b>	Savings <b>\$13</b>
Electricity Cost <b>\$16</b>	Electricity Cost <b>\$2</b>

**MR16 50WE LIFETIME SAVINGS: \$115**

50W High Output version available



## MR16 50WE COMPARISON

	HALOGEN	MR16 50WE
WATTAGE:	50W	8W
LIFETIME:	3,000 HRS	25,000 HRS

Up to 84% energy savings!

**MR16**

Part Number	Base Type	Wattage	Beam Angle	Lumens	Efficacy	CRI	CBCP
LS 16 35WE WW NFL S1 BX	5.3	6W	25	350	58	80	1601
LS 16 35WE WW FL S1 BX	5.3	6W	40	350	58	80	791
LS 16 35WE W27 NFL S1 BX	5.3	6W	25	330	55	80	1601
LS 16 35WE W27 FL S1 BX	5.3	6W	40	330	55	80	791
LS 16 50WE WW NFL S1 BX	5.3	8W	25	500	63	80	2323
LS 16 50WE WW FL S1 BX	5.3	8W	40	500	63	80	1147
LS 16 50WE W27 NFL S1 BX	5.3	8W	25	470	59	80	2323
LS 16 50WE W27 FL S1 BX	5.3	8W	40	470	59	80	1147

FL: Flood NFL: Narrow Flood NW: Neutral White WW: Warm White W27: Warm White 2700K  
 CW: Cool White CBCP: Center Beam Candle Power

**MR16 SPECIFICATIONS<sup>3</sup>**

Equivalent Source	Up to 35W /50W Halogen
Rated Life	25,000 hours
Housing	Aluminum
Socket	GU 5.3
Beam Spread	40°, 25°
Operating Temperature	-20°C to +40°C
Dimensions (MOL x W)	1.88in (48mm) x 1.96in (50mm)
Voltage	120VAC
Weight	0.2 lbs., 90.7g
Power Factor	≥.7
Warranty	5 year limited

**MR16 TRANSFORMER COMPATABILITY**

**MR16 35WE:**

*Hatch:* RS12-15M-LED, RS12-30M-LED, RS12-80M, VS12-75W  
*WAC:* EN-1260-R-AR  
*ELCO:* ET526  
*PROGRESS:* P8560-31  
*PHILIPS:* LED120A0012V10F

**MR16 50WE:**

*Hatch:* RS12-15M-LED, RS12-30M-LED, RS12-80M,  
*WAC:* EN-1260-R-AR, EN-1275-R-AR  
*LIGHTTECH:* LVT-60  
*JUON:* R731BL  
*ELCO:* ET526  
*TRAN:* QT10  
*B+L TECHNOLOGIES:* FX95100



Visit [www.lsgc.com/energystar](http://www.lsgc.com/energystar) for list of ENERGY STAR qualified lamps.



Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines. As a part of a continuous improvement program, specifications can be subject to change and are updated regularly at [www.lsgc.com](http://www.lsgc.com). LM79 results based on 12 Volt DC source

1. Savings based on 8hrs/day annual hours of operation, \$0.114 average cost per KWH, \$40/hr. cost of labor and 15 minutes maintenance time to change lamp.  
 2. Values are nominal, advances from further innovation, specifications are subject to change.

**ORDERING INFORMATION \ \ LS 16 35WE WW NFL S1 BX**

Family	Product	Watt Equivalent		Color (CCT)		Distribution		Family		Packaging	
LS Lighting Science	16 MR16	35WE	35W Equivalent	W27	Soft White 2700K	FL	Flood	S1	S1	BX	Box
		50WE	50W Equivalent	WW	Warm White 3000K	NFL	Narrow Flood				

**NORTH AMERICAN CERTIFICATIONS**



**ENVIRONMENT**





# MR16 GU10 & PAR16

## FEATURES

- Up to 80% more efficient than comparable halogen lamps.
- Dimmable to 10% on most dimmers.
- Two available color temperatures and two available beam angles.
- Maintenance free operation, lasts up to 11x longer than conventional lighting.
- 25,000 hour rated design life.
- RoHS compliant – contains no mercury or lead.
- Uniform design with reduced materials.

## BENEFITS

- Reduced energy usage – decreases energy related costs.
- Variable light intensity creates optimal light quality.
- Offers a multitude of combinations and directionality to fit almost any need or application.
- Long rated life – reduces maintenance cost.
- Innovative materials reduce waste and environmental impact.
- Installs easily into new or retrofit applications.

## APPLICATIONS

- Track and accent lighting for residential, retail, hospitality and office applications.

## MR16 GU10 COMPARISON

	HALOGEN	MR16 GU10
WATTAGE:	30W	6W
LIFETIME:	3,000 HRS	20,000 HRS

Up to 84% energy savings!

## ANNUAL OVERALL SAVINGS<sup>1</sup>

Standard Halogen	MR16 GU10 35WE
Maintenance Cost <b>\$29</b>	Savings <b>\$9</b>
Electricity Cost <b>\$11</b>	Electricity Cost <b>\$2</b>

**MR16 GU10 35WE LIFETIME SAVINGS: \$79**

Up to 80% more efficient than comparable halogen lamp **+**



**MR16 GU10**

Part Number	Base Type	Wattage	Beam Angle	Lumens	Voltage	Efficacy	CRI	CBCP
LS 16 35WE W27 NFL GU10 S1 BX	GU10	6W	25	360	120	60	80	1601
LS 16 35WE W27 FL GU10 S1 BX	GU10	6W	40	360	120	60	80	791
LS 16 35WE WW NFL GU10 120 S1 BX	GU10	6W	25	380	120	63	80	1601
LS 16 35WE WW FL GU10 120 S1 BX	GU10	6W	40	380	120	63	80	791
LS 16 50WE W27 NFL GU10 120 S1 BX	GU10	8W	25	470	120	59	80	2323
LS 16 50WE W27 FL GU10 120 S1 BX	GU10	8W	40	470	120	59	80	1147
LS 16 50WE WW NFL GU10 120 S1 BX	GU10	8W	25	500	120	63	80	2323
LS 16 50WE WW FL GU10 120 S1 BX	GU10	8W	40	500	120	63	80	1147

**PAR16**

Part Number	Base Type	Wattage	Beam Angle	Lumens	Voltage	Efficacy	CRI	CBCP
LS 16 35WE WW FL E26 120 S1 BX	E26	6W	40	380	120	63	80	791
LS 16 50WE WW FL E26 120 S1 BX	E26	8W	40	500	120	63	80	1147

FL: Flood NFL: Narrow Flood NW: Neutral White WW: Warm White W27: Warm White 2700K  
 CW: Cool White CBCP: Center Beam Candle Power

**MR16 GU10 SPECIFICATIONS<sup>3</sup>**

Equivalent Source	Up to 35W /50W Halogen
Rated Life	25,000 hours
Housing	Aluminum
Socket	GU10
Beam Spread	40°, 25°
Operating Temperature	-20°C to +40°C
Dimensions (MOL x W)	2.04in (52mm) x 1.96in (50mm)
Voltage	120VAC
Weight	0.2 lbs., 90.7g
Power Factor	≥.7
Warranty	5 year limited

**PAR16 SPECIFICATIONS<sup>3</sup>**

Equivalent Source	Up to 35W /50W Halogen
Rated Life	25,000 hours
Housing	Aluminum
Socket	E26
Operating Temperature	-20°C to +40°C
Dimensions (MOL x W)	2.51 in (64mm) x 1.96in (50mm)
Voltage	120VAC
Weight	.2 lbs, 90.7g
Power Factor	≥.7
Warranty	5 year limited

**MR16 GU10 & PAR16 DIMMER COMPATABILITY<sup>2</sup>**

**MR16 GU10**

LUTRON

C\*L Series : Diva/Skylark/Ariandi/Toggler/Diva

**PAR16**

LUTRON

C\*L Series : Diva/Skylark/Ariandi/Toggler/Diva



Visit [www.lsgc.com/energystar](http://www.lsgc.com/energystar) for list of ENERGY STAR qualified lamps.



Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines.

- 1 Savings based on 8hrs/day annual hours of operation, \$0.114 average cost per KWH, \$40/hr. cost of labor and 15 minutes maintenance time to change lamp.
- 2 Dimmer compatibility list indicates those dimmers that have been tested and operate properly under normal conditions. In certain cases, approved dimmers are offered in higher wattage varieties that are also compliant and allow the installation of additional lamps if kept within the maximum inrush current equivalent provided in the table. Each application is unique and various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Consult dimming system manufacturer for additional support in operation.
- 3 Values are nominal, advances from further innovation, specifications are subject to change.

**ORDERING INFORMATION \ \ LS 16 35WE WW NFL GU10 120 S1 BX**

Family	Product	Watt Equivalent	Color (CCT)	Distribution	Base	Voltage	Family	Packaging
LS	16 MR16	35WE 35W Equivalent	W27 Soft White 2700K	FL Flood	GU10 GU10 Base	120 120 Volt	S1 S1	BX Box
	16 PAR16		WW Warm White 3000K	NFL Narrow Flood	E26 E26 Base			

**NORTH AMERICAN CERTIFICATIONS**



**ENVIRONMENT**





# A19

## FEATURES

- 80% more efficient than comparable incandescent lamps.
- Dimmable to 10% on most dimmers.
- Omni-directional design in three wattage equivalencies.
- Maintenance free operation, lasts over 50x longer than conventional lighting.
- RoHS compliant – contains no mercury or lead.

## BENEFITS

- Reduced energy usage – decreases energy related costs.
- Variable light intensity creates optimal light quality.
- Smooth and uniform light to create a well-balanced environment.
- Long rated life – reduces maintenance cost.
- Innovative materials reduce waste and environmental impact.
- Installs easily into new or retrofit applications.

## APPLICATIONS

- Ideal for table and floor lamps in residential, retail, hospitality and office applications.

Available in 40W, 60W & 75W equivalents +

## ANNUAL OVERALL SAVINGS<sup>1</sup>

Standard Incandescent

A19 60WE

Maintenance Cost <b>\$32</b>	Savings <b>\$46</b>
Electricity Cost <b>\$20</b>	Electricity Cost <b>\$5</b>

**A19 60WE LIFETIME SAVINGS:  
\$815**



## A19 60WE COMPARISON

	INCANDESCENT	A19 60WE
WATTAGE:	60W	12W
LIFETIME:	1,000 HRS	25,000 HRS

Up to 81% energy savings!



**A19** ★

Part Number	Base Type	Wattage	Lumens	Voltage	Efficacy	CRI
DFN A19 40WE W27 120	E26	8W	450	120	56	82
DFN A19 40WE WW 120	E26	8W	450	120	56	82
DFN A19 40WE CW 120	E26	8W	480	120	60	82
DFN A19 60WE W27 120	E26	12W	800	120	67	82
DFN A19 60WE WW 120	E26	12W	800	120	67	82
DFN A19 60WE CW 120	E26	12W	850	120	71	82
DFN A19 75WE W27 120	E26	14W	1150	120	82	80
DFN A19 75WE WW 120	E26	14W	1200	120	86	80
DFN A19 75WE CW 120	E26	14W	1300	120	93	80

NW: Neutral White WW: Warm White W27: Warm White 2700K CW: Cool White

**A19 40WE SPECIFICATIONS<sup>3</sup>**

Equivalent Source	40W Incandescent
Rated Life	50,000 hours
Housing	Thermally Conductive Plastic
Socket	E26
Operating Temperature	-20°C to +40°C
Dimensions	4.39in (111mm) x 2.53in (64.3mm)
Voltage	120VAC
Weight	3.8 oz, 110g
Power Factor	≥.9
Warranty	5 year limited

**A19 60WE SPECIFICATIONS<sup>3</sup>**

Equivalent Source	60W Incandescent
Rated Life	25,000 hours
Housing	Thermally Conductive Plastic
Socket	E26
Operating Temperature	-20°C to +40°C
Dimensions	4.39in (111.5mm) x 2.5in (64.3mm)
Voltage	120VAC
Weight	4.9 oz., 141g
Power Factor	≥.9
Warranty	5 year limited

**A19 75WE SPECIFICATIONS<sup>3</sup>**

Equivalent Source	75W Incandescent
Rated Life	25,000 hours
Housing	Thermally Conductive Plastic
Socket	E26
Operating Temperature	-20°C to +40°C
Dimensions	4.4in (111.5mm) x 2.73in (69.2mm)
Voltage	120VAC
Weight	4.6 oz., 131g
Power Factor	≥.9
Warranty	5 year limited

Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines.

- Savings based on 8hrs/day annual hours of operation, \$0.114 average cost per KWH, \$40/hr. cost of labor and 15 minutes maintenance time to change lamp.
- Dimmer compatibility list indicates those dimmers that have been tested and operate properly under normal conditions. In certain cases, approved dimmers are offered in higher wattage varieties that are also compliant and allow the installation of additional lamps if kept within the maximum inrush current equivalent provided in the table. Each application is unique and various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Consult dim5ing system manufacturer for additional support. In operation.
- Values are nominal, advances from further innovation, specifications are subject to change.

**DIMMER COMPATABILITY<sup>2</sup>**

40WE / 60WE / 75WE A19

LUTRON

Diva: DVCL-153PD, DVW-603-PGH

Skylark: CTCL-153PDH, S-600PR

Lumea: LG-103PH, LGCL-153PH

Toggle R: TGCL 153PH



Visit [www.lsgc.com/energystar](http://www.lsgc.com/energystar) for list of ENERGY STAR qualified lamps.



**ORDERING INFORMATION \ \ LS A19 40WE W27 120 BX**

Family	Product	Wattage Equivalency	Color (CCT)	Voltage	Packaging
LS Lighting Science	A19 A19	40WE 40 Watt Equivalent	W27 Warm White 2700K	120 120 Volt	BX Box
		60WE 60 Watt Equivalent	WW Warm White 3000K		
		75WE 75 Watt Equivalent	CW Cool White 5000K		

**40WE / 60WE NORTH AMERICAN CERTIFICATIONS**



**75WE NORTH AMERICAN CERTIFICATIONS**



**ENVIRONMENT**





# GP19 & GP19 3-WAY

## FEATURES

- Up to 84% more efficient than comparable incandescent lamps.
- GP19 3-Way – offers three power options equivalent to 25, 40, & 60W incandescent lamps.
- Maintenance free operation, lasts over 20x longer than conventional lighting.
- RoHS compliant – contains no mercury or lead.

## BENEFITS

- Reduced energy usage – decreases energy related costs.
- Easily controllable light intensity for greater energy savings.
- Perfect for table and floor lamps with a 3-way switch to adjust light levels..
- Long rated life – reduces maintenance cost.
- Innovative materials reduce waste and environmental impact.
- Installs easily into new or retrofit applications.

## APPLICATIONS

- Ideal for table and floor lamps with a 3-way switch in residential and hospitality applications.


## ANNUAL OVERALL SAVINGS<sup>1</sup>

Standard Incandescent

GP19 60WE

Maintenance Cost <b>\$29</b>	Savings <sup>2</sup> <b>\$16</b>
Electricity Cost <b>\$19</b>	Electricity Cost <b>\$3</b>

**GP19 60WE LIFETIME SAVINGS:  
\$110**

Up to 84% more efficient than comparable  
40W incandescent lamp 



## G19 COMPARISON

	INCANDESCENT	GP19
WATTAGE:	40W	6W
LIFETIME:	2,000 HRS	20,000 HRS

Up to 85% energy savings!

**GP19**

Part Number	Base Type	Wattage	Lumens	Voltage	Efficacy	CRI
LS GP19 40WE W27 NDM 120 G1 BX	E26	6	450	120	75	80
LS GP19 40WE CW NDM 120 G1 BX	E26	6	450	120	75	80
LS GP19 60WE W27 NDM 120 G1 BX	E26	9	800	120	89	80
LS GP19 60WE CW NDM 120 G1 BX	E26	9	800	120	89	80

**GP19 3-WAY**

Part Number	Base Type	Wattage	Lumens	Voltage	Efficacy	CRI
LS GP19 60WE W27 120 3WAY G1 BX	E26	10	300/450/810	120	81	80

NW: Neutral White WW: Warm White W27: Soft White 2700K CW: Cool White

**GP19 SPECIFICATIONS<sup>2</sup>**

Equivalent Source	40W & 60W Incandescent
Rated Life	20,000 hours
Housing	Aluminum
Socket	E26
Operating Temperature	-20°C to +40°C
Dimensions	3.9in (99mm) x 2.2in (56mm)
Voltage	120VAC
Weight	.3 lbs, 136.07g
Power Factor	≥.7
Warranty	5 year limited

**GP19 SPECIFICATIONS<sup>2</sup>**

Equivalent Source	60W Incandescent
Rated Life	20,000 hours
Housing	Aluminum
Socket	E26
Operating Temperature	-20°C to +40°C
Dimensions	3.9in (99mm) x 2.2in (56mm)
Voltage	120VAC
Weight	.3 lbs, 136.07g
Power Factor	≥.7
Warranty	5 year limited

Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines.  
 1. Savings based on 8hrs/day annual hours of operation, 50,114 average cost per KWH, \$40/hr, cost of labor and 15 minutes maintenance time to change lamp.  
 2. Values are nominal, advances from further innovation, specifications are subject to change.

Visit [www.lsgc.com/energystar](http://www.lsgc.com/energystar) for list of ENERGY STAR qualified lamps.



**ORDERING INFORMATION \ \ LS GP19 60WE W27 NDM 120 G1 BX**

Family	Product	Watt Equivalent	Color (CCT)	Descriptor	Voltage	Family	Package
LS Lighting Science	GP19 GP19	40WE 40W Equivalent	W27 Warm White 2700K	NDM Non Dimmable	120 120 Volt	G1 G1	BX Box
		60WE 60W Equivalent	CW Cool White 5000K				

**NORTH AMERICAN CERTIFICATIONS**



**ENVIRONMENT**



**ORDERING INFORMATION \ \ LS GP19 60WE W27 120 3WAY G1 BX**

Family	Product	Watt Equivalent	Color (CCT)	Voltage	Descriptor	Family	Package
LS Lighting Science	GP19 GP19	60WE 60W Equivalent	W27 Soft White 2700K	120 120 Volt	3WAY	G1	BX Box

**NORTH AMERICAN CERTIFICATIONS**



**ENVIRONMENT**





# G25

## FEATURES

- Decorative LED lamp offering for aesthetically driven projects.
- Dimmable to 10% on most dimmers.
- Requires 80% less power than comparable incandescent lamps.
- Maintenance free operation, lasts over 20x longer than conventional lighting.
- RoHS compliant – contains no mercury or lead.

## BENEFITS

- Offers flexibility for projects that include candelabra, sconce and fan lighting.
- Reduced energy usage – decreases energy related costs.
- Long rated life – reduces maintenance cost.
- Innovative materials reduce waste and environmental impact.
- Installs easily into new or retrofit applications.

## APPLICATIONS

- Ideal for decorative applications in residential, retail and hospitality applications.


## ANNUAL OVERALL SAVINGS<sup>1</sup>

Standard Incandescent

G25

Maintenance Cost <b>\$29</b>	Savings <sup>2</sup> <b>\$11</b>
Electricity Cost <b>\$13</b>	Electricity Cost <b>\$2</b>

**G25 LIFETIME SAVINGS: \$93**

Dimmable to 10% on most dimmers 



## G25 COMPARISON

	INCANDESCENT	G25
WATTAGE:	50W	6W
LIFETIME:	1,000 HRS	25,000 HRS

Up to 84% energy savings!

**G25** 

Part Number	Base Type	Wattage	Lumens	Voltage	Efficacy	CRI
LS 25 40WE W27 120 CB BX	E26	6W	400	120	67	80

NW: Neutral White WW: Warm White W27: Soft White 2700K CW: Cool White

**G25 SPECIFICATIONS<sup>3</sup>**

Equivalent Source	40W Incandescent
Rated Life	25,000 hours
Housing	Thermally Conductive Plastic
Socket	E26
Operating Temperature	-20°C to +40°C
Dimensions	4.6in (116.84mm) x 3.3in (83mm)
Voltage	120VAC
Weight	.3 lbs, 136.07g
Power Factor	≥.9
Warranty	5 year limited

**DIMMER COMPATABILITY<sup>2</sup>**

**40WE G25**

**LUTRON**

**C\*L Wall Mount:** Diva/Skylark/Skylark  
Contour/Ariadni/Toggler/Lumea

**Maestro:** MACL-153M

**RadioRA2:** RRD-6NA

**Homeworks QS:** HQRD-6NA, HxD-6ND

Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines.

1 Savings based on 8hrs/day annual hours of operation, \$0.114 average cost per KWH, \$40/hr. cost of labor and 15 minutes maintenance time to change lamp.

2 Dimmer compatibility list indicates those dimmers that have been tested and operate properly under normal conditions. In certain cases, approved dimmers are offered in higher wattage varieties that are also compliant and allow the installation of additional lamps if kept within the maximum inrush current equivalent provided in the table. Each application is unique and various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Consult dimming system manufacturer for additional support in operation.

3 Values are nominal, advances from further innovation, specifications are subject to change.



Visit [www.lsgc.com/energystar](http://www.lsgc.com/energystar) for list of ENERGY STAR qualified lamps.



**ORDERING INFORMATION \ \ LS G25 40WE W27 120 G1 BX**

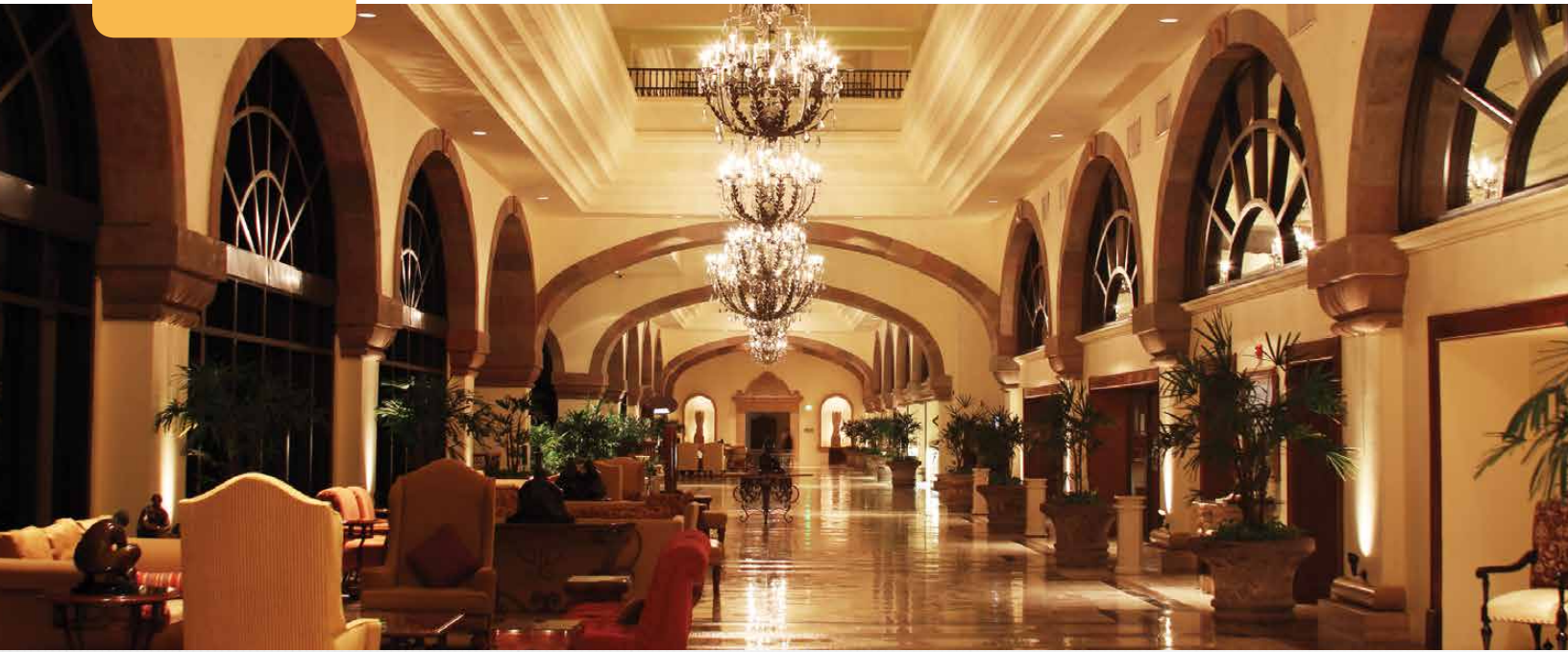
Family	Product	Watt Equivalent	Color (CCT)	Voltage	Family	Package
LS Lighting Science	G25 G25	40WE 40W Equivalent	W27 Warm White 2700K	120 120 Volt	CB Chicken Bone	BX Box

**NORTH AMERICAN CERTIFICATIONS**



**ENVIRONMENT**





# B11 & P15

## FEATURES

- Decorative LED lamp offering for aesthetically driven projects.
- Dimmable to 10% on most dimmers.
- Requires 80% less power than comparable incandescent lamps.
- Maintenance free operation, lasts over 20x longer than conventional lighting.
- RoHS compliant – contains no mercury or lead.

## BENEFITS

- Offers flexibility for projects that include candelabra, sconce and fan lighting.
- Reduced energy usage – decreases energy related costs.
- Long rated life – reduces maintenance cost.
- Innovative materials reduce waste and environmental impact.
- Installs easily into new or retrofit applications.

## APPLICATIONS

- Ideal for decorative applications in residential, retail and hospitality applications.


## ANNUAL OVERALL SAVINGS<sup>1</sup>

Standard Incandescent

P15

Maintenance Cost <b>\$29</b>	Savings <b>\$11</b>
Electricity Cost <b>\$13</b>	Electricity Cost <b>\$1</b>

**P15 LIFETIME SAVINGS: \$77**

Dimmable to 10% on most dimmers 

## P15 COMPARISON

	INCANDESCENT	P15
WATTAGE:	50W	6W
LIFETIME:	1,000 HRS	50,000 HRS

Up to 87% energy savings!



**B11** ★

Part Number	Base Type	Wattage	Lumens	Voltage	Efficacy	CRI
LS B11 25WE W27 120 G1 BX	E12	4W	200	120	50	80
LS B11 25WE W27 E26 120 G1 BX	E26	4W	200	120	50	80
LS B11 40WE W27 120 G1 BX	E12	5W	325	120	65	80
LS B11 40WE W27 E26 120 G1 BX	E26	5W	325	120	65	80

**P15** ★

Part Number	Base Type	Wattage	Lumens	Voltage	Efficacy	CRI
LS P15 40WE W27 120 G1 BX	E26	5W	300	120	60	80

NW: Neutral White WW: Warm White W27: Soft White 2700K CW: Cool White

**B11 SPECIFICATIONS<sup>3</sup>**

Equivalent Source	25W & 40W Incandescent
Rated Life	20,000 hours
Housing	Aluminum
Socket	E12 & E26
Operating Temperature	-20°C to +40°C
E26 Dimensions	3.7 in, 94mm
E12 Dimensions	3.9 in, 100mm
Voltage	120VAC
E26 Weight	.1 lbs, 45.35g .25 lbs, 113.98g
Power Factor	≥.7
Warranty	5 year limited

**P15 SPECIFICATIONS<sup>3</sup>**

Equivalent Source	40W Incandescent
Rated Life	25,000 hours
Housing	Thermally Conductive Plastic
Socket	E26
Operating Temperature	-20°C to +40°C
Dimensions (MOL x W)	3.49 in, 88.64mm
Voltage	120VAC
Weight	.1 lbs, 045g
Power Factor	≥.7
Warranty	5 year limited

Specifications supplied are nominal. Please refer to the DOE's Lighting Facts Tolerance Guidelines.  
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 3 Values are nominal, advances from further innovation, specifications are subject to change.

**DIMMER COMPATABILITY<sup>3</sup>**

**25WE B11**

**LUTRON**  
 C\*L Wall Mount: Diva/Skylark/Skylark Contour/  
 Ariadni/Toggler/Lumea  
 Maestro: MACL-153M

**40WE P15**

**LUTRON**  
 150W LED/CFL CTCL DBCL-153P,  
 Maestro MACL-153M-LS

**PASS & SEYMOUR LEGRAND DIMMERS:**  
 Harmony H703 PTUW

**40WE B11**

**LUTRON**  
 C\*L Wall Mount: Diva/Skylark/Skylark Contour/  
 Ariadni/Toggler/Lumea Maestro: MACL-153M C\*L  
 Series, Grafik Eye 3000 Family, PHPM-PA, PHPM-WBX

★ Visit [www.lsgc.com/energystar](http://www.lsgc.com/energystar) for list of ENERGY STAR qualified lamps.



**ORDERING INFORMATION \ \ LS B11 25WE W27 120 G1 BX**

Family	Product	Watt Equivalent	Color (CCT)	Dimmable	Voltage	Family	Package
LS Lighting Science	B11 B11	25WE 25W Equivalent	W27 Soft White 2700K	NDM Non Dimmable	120 120 Volt	G1 G1	BX Box
		40WE 40W Equivalent					

**NORTH AMERICAN CERTIFICATIONS**



**ENVIRONMENT**



**ORDERING INFORMATION \ \ LS P15 40WE W27 120 G1 BX**

Family	Product	Watt Equivalent	Color (CCT)	Voltage	Family	Package
LS Lighting Science	P15 P15 Fan	40WE 40W Equivalent	W27 Soft White 2700K	120 120 Volt	G1 G1	BX Box

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