



# LED Lamps - Title 20



## LED Lamps Title 20

Effective January 1, 2018 the California Energy Commission mandated new efficiency requirements for LED replacement lamps manufactured on or after January 1, 2018. This is a California regulation only and does not apply to any other state. Tier 2 standards became effective July 1, 2019.

### LEARN MORE:

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<http://www.energy.ca.gov/appliances>

### PRODUCTS INCLUDED AND BASIC REQUIREMENTS:

**General Service, Directional, Recessed Can Retrofit, and Decorative LED Lamps with E12, E17, E26 and GU-24 bases.**  
LED lamps manufactured on or after July 1, 2019, shall meet the following performance criteria:

- Average CRI of 82 or greater
- Power Factor of 0.7 or greater
- Rated life of 10,000 hours or more
- Minimum efficacy of 80 lm/W
- Compliance score (efficacy + 2.3 x CRI) of 297 or greater

#### **Small-Diameter Directional Lamps (MR16 with Pin-bases)**

Beginning January 1, 2018, regulated lamps shall meet the following criteria:

- Rated life of 25,000 hours or greater
- Efficacy of at least 80lm/W or efficacy of at least 70 lm/W and Compliance Score (efficacy + CRI) of 165 or greater.



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CUSTOMER NAME	
PROJECT NAME	
DATE	NOTES

### LED Lamps - Title 20 (A-Line)

Bulb Shape	Base Type	Watts	Order Code	Description	Inner Pack Lamp Qty	Outer Carton Lamp Qty <sup>2</sup>	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) <sup>1</sup>	Dimmable
A15	E26	3.5	93312022	LED4DFA15-W/927	1	12	300	2700K	90	40	15,000	Yes
A19	E26	4.5	93319141	LED5DFA19/927/E-W	1	24	450	2700K	90	40	15,000	Yes
A19	E26	4.5	93319147	LED5DFA19/927/E-C	1	24	450	2700K	90	40	15,000	Yes
A19	E26	5.5	93305532	LED6DA19/927/E-4PK	4	24	450	2700K	90	40	15,000	Yes
A19	E26	5.5	93305533	LED6DA19/950/E-4PK	4	24	450	5000K	90	40	15,000	Yes
A19	E26	6	93313531	LED6DA19/9SC/E	1	24	480	2700K* 3000K 3500K 4000K 5000K	90	40	15,000	Yes
A19	E26	7	93319153	LED7DFA19/927/E-W	1	24	800	2700K	90	60	15,000	Yes
A19	E26	7	93319159	LED7DFA19/927/E-C	1	24	800	2700K	90	60	15,000	Yes
A19	E26	10	93305534	LED10DA19/927/E-4PK	4	24	800	2700K	90	60	15,000	Yes
A19	E26	10	93305535	LED10DA19/950/E-4PK	4	24	800	5000K	90	60	15,000	Yes
A19	E26	10	93313549	LED10DA19/9SC/E	1	24	800	2700K* 3000K 3500K 4000K 5000K	90	60	15,000	Yes
A19	E26	8	93319165	LED8DFA19/927-W	1	24	1100	2700K	90	75	15,000	Yes
A19	E26	8	93319171	LED8DFA19/927-C	1	24	1100	2700K	90	75	15,000	Yes
A19	E26	13	93305536	LED13DA19/927-4PK	4	24	1100	2700K	90	75	15,000	Yes
A19	E26	13	93305537	LED13DA19/950-4PK	4	24	1100	5000K	90	75	15,000	Yes
A19	E26	13	93313543	LED13DA19/9SC	1	24	1100	2700K* 3000K 3500K 4000K 5000K	90	75	15,000	Yes
A19	E26	12	93319177	LED12DFA19/927-W	1	24	1600	2700K	90	100	15,000	Yes
A19	E26	12	93319183	LED12DFA19/927-C	1	24	1600	2700K	90	100	15,000	Yes
A19	E26	15	93305538	LED15DA19/927-4PK	4	24	1600	2700K	90	100	15,000	Yes
A19	E26	15	93305539	LED15DA19/950-4PK	4	24	1600	5000K	90	100	15,000	Yes
A19	E26	15	93313537	LED15DA19/9SC	1	24	1600	2700K* 3000K 3500K 4000K 5000K	90	100	15,000	Yes

### LED Lamps - Title 20 (Decorative)

Bulb Shape	Base Type	Watts	Order Code	Description	Inner Pack Lamp Qty	Outer Carton Lamp Qty <sup>2</sup>	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) <sup>1</sup>	Dimmable
CA/B	E12	3.5	93312028	LED4DFCAC-C/927	1	12	300	2700K	90	40	15,000	Yes
CA/B	E26	3.5	93319160	LED4DFCAM-C/927	1	12	300	2700K	90	40	15,000	Yes
G25	E26	4	93319163	LED4DFG25-C/927	1	12	350	2700K	90	40	15,000	Yes
G25	E26	4	93319166	LED4DFG25-W/927	1	12	350	2700K	90	40	15,000	Yes

<sup>1</sup> The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

<sup>2</sup> Minimum order quantity = Carton Qty

Information provided is subject to change without notice. Please verify all details with Current. All values are design or typical values when measured under laboratory conditions, and Current makes no warranty or guarantee, expressed or implied, that such performance will be obtained under end-use conditions.



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## Title 20

CUSTOMER NAME \_\_\_\_\_  
 PROJECT NAME \_\_\_\_\_  
 DATE \_\_\_\_\_ NOTES \_\_\_\_\_

### LED Lamps - Title 20 (MR16)

Bulb Shape	Base Type	Watts	Order Code	Description	Inner Pack Lamp Qty	Outer Carton Lamp Qty <sup>2</sup>	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) <sup>1</sup>	Dimmable
MR16	GU5.3	6.5	75153	LED6.5DMR16W83015	1	6	520	3000K	80	50	25,000	Yes
MR16	GU5.3	6.5	75158	LED6.5DMR16W84015	1	6	550	4000K	80	50	25,000	Yes
MR16	GU5.3	6.5	93222	LED6.5DMR16W83025	1	6	520	3000K	80	50	25,000	Yes
MR16	GU5.3	6.5	93228	LED6.5DMR16W84025	1	6	550	4000K	80	50	25,000	Yes
MR16	GU5.3	6.5	93223	LED6.5DMR16W83035	1	6	520	3000K	80	50	25,000	Yes
MR16	GU5.3	6.5	93229	LED6.5DMR16W84035	1	6	550	4000K	80	50	25,000	Yes

### LED Lamps - Title 20 (Reflector)

Bulb Shape	Base Type	Watts	Order Code	Description	Inner Pack Lamp Qty	Outer Carton Lamp Qty <sup>2</sup>	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) <sup>1</sup>	Dimmable
R20	E26	5.5	93318859	LED5DR20/9SC	1	6	500	2700K 3000K* 3500K 4000K 5000K	90	45	15,000	Yes
R20	E26	5.5	9331895	LED5DR20/927	1	6	500	2700K	90	45	15,000	Yes
R20	E26	5.5	9331896	LED5DR20/930	1	6	500	3000K	90	45	15,000	Yes
BR30	E26	8	93318865	LED8DBR30/9SC	1	6	650	2700K 3000K* 3500K 4000K 5000K	90	65	15,000	Yes
BR30	E26	8	93305498	LED8DBR30/927-6PK	6	24	650	2700K	90	65	15,000	Yes
BR30	E26	8	93305499	LED8DBR30/930-6PK	6	24	650	3000K	90	65	15,000	Yes
BR30	E26	8	93305510	LED8DBR30/940-6PK	6	24	650	4000K	90	65	15,000	Yes
BR30	E26	8	93305512	LED8DBR30/950-6PK	6	24	650	5000K	90	65	15,000	Yes
BR40	E26	12	93318871	LED12DBR40/9SC	1	6	1050	2700K 3000K* 3500K 4000K 5000K	90	65	15,000	Yes
BR40	E26	12	9331897	LED12DBR40/927	1	6	1050	2700K	90	65	15,000	Yes
BR40	E26	12	9331898	LED12DBR40/930	1	6	1050	3000K	90	65	15,000	Yes
BR40	E26	12	9331899	LED12DBR40/950	1	6	1050	5000K	90	65	15,000	Yes

### LED Lamps - Title 20 (PAR20)

Bulb Shape	Base Type	Watts	Order Code	Description	Inner Pack Lamp Qty	Outer Carton Lamp Qty <sup>2</sup>	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) <sup>1</sup>	Dimmable
PAR20	E26	7	9331900	LED7DP20CW927/35	1	6	500	2700K	90	50	25,000	Yes
PAR20	E26	7	9331901	LED7DP20OB927/35	1	6	500	2700K	90	50	25,000	Yes
PAR20	E26	7	9331902	LED7DP20CW930/35	1	6	520	3000K	90	50	25,000	Yes
PAR20	E26	7	9331903	LED7DP20OB930/35	1	6	520	3000K	90	50	25,000	Yes
PAR20	E26	10	93318877	LED10DP20W930/35	1	6	900	3000K	90	100	25,000	Yes

<sup>1</sup> The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

<sup>2</sup> Minimum order quantity = Carton Qty

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## Title 20

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 DATE \_\_\_\_\_ NOTES \_\_\_\_\_

### LED Lamps - Title 20 (PAR30)

Bulb Shape	Base Type	Watts	Order Code	Description	Inner Pack Lamp Qty	Outer Carton Lamp Qty <sup>2</sup>	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) <sup>1</sup>	Dimmable
PAR30	E26	12	93311923	LED12DP30RW927/25	1	6	1050	2700K	90	75	25,000	Yes
PAR30	E26	12	93311924	LED12DP30RW927/40	1	6	1050	2700K	90	75	25,000	Yes
PAR30	E26	12	93311925	LED12DP30RB927/40	1	6	1050	2700K	90	75	25,000	Yes
PAR30	E26	12	93311926	LED12DP30RW930/25	1	6	1050	3000K	90	75	25,000	Yes
PAR30	E26	12	93311927	LED12DP30RW930/40	1	6	1050	3000K	90	75	25,000	Yes
PAR30L	E26	12	93312005	LED12DP30LRW927/25	1	6	1050	2700K	90	75	25,000	Yes
PAR30L	E26	12	93312006	LED12DP30LRW927/40	1	6	1050	2700K	90	75	25,000	Yes
PAR30L	E26	12	93312007	LED12DP30LRW930/25	1	6	1050	3000K	90	75	25,000	Yes
PAR30L	E26	12	93312008	LED12DP30LRW930/40	1	6	1050	3000K	90	75	25,000	Yes
PAR30L	E26	12	93316394	LED12DP30LRB930/40	1	6	1050	3000K	90	75	25,000	Yes
PAR30L	E26	20	93318893	LED20DP30LW930/35	1	6	2100	3000K	90	150	25,000	Yes

### LED Lamps - Title 20 (PAR38)

Bulb Shape	Base Type	Watts	Order Code	Description	Inner Pack Lamp Qty	Outer Carton Lamp Qty <sup>2</sup>	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) <sup>1</sup>	Dimmable
PAR38	E26	12	93311944	LED12DP38ROW927/25	1	6	1050	2700K	90	100	25,000	Yes
PAR38	E26	12	93311945	LED12DP38ROW927/40	1	6	1050	2700K	90	100	25,000	Yes
PAR38	E26	12	93311946	LED12DP38ROW930/25	1	6	1050	3000K	90	100	25,000	Yes
PAR38	E26	12	93311947	LED12DP38ROW930/40	1	6	1050	3000K	90	100	25,000	Yes
PAR38	E26	12	93318835	LED12DPAR38ROW927/25	1	6	1300	2700K	90	100	25,000	Yes
PAR38	E26	12	93318841	LED12DPAR38ROW927/40	1	6	1300	2700K	90	100	25,000	Yes
PAR38	E26	12	93318847	LED12DPAR38ROW930/25	1	6	1300	3000K	90	100	25,000	Yes
PAR38	E26	12	93318853	LED12DPAR38ROW930/40	1	6	1300	3000K	90	100	25,000	Yes
PAR38	E26	16	93313077	LED16DP38ROW930/15	1	6	1550	3000K	90	120	25,000	Yes
PAR38	E26	18	93311929	LED18DP38ROW927/25	1	6	1550	2700K	90	120	25,000	Yes
PAR38	E26	18	93311930	LED18DP38ROW927/40	1	6	1550	2700K	90	150	25,000	Yes
PAR38	E26	18	93311931	LED18DP38ROW930/25	1	6	1550	3000K	90	120	25,000	Yes
PAR38	E26	18	93311932	LED18DP38ROB930/25	1	6	1550	3000K	90	120	25,000	Yes
PAR38	E26	18	93311933	LED18DP38ROS930/25	1	6	1550	3000K	90	120	25,000	Yes
PAR38	E26	18	93311934	LED18DP38ROW930/40	1	6	1550	3000K	90	150	25,000	Yes
PAR38	E26	18	93316388	LED18DP38ROB930/40	1	6	1550	3000K	90	150	25,000	Yes
PAR38	E26	18	93311935	LED18DP38ROW935/25	1	6	1700	3500K	90	120	25,000	Yes
PAR38	E26	18	93311936	LED18DP38ROW935/40	1	6	1700	3500K	90	150	25,000	Yes
PAR38	E26	18	93311937	LED18DP38ROW940/25	1	6	1700	4000K	90	120	25,000	Yes
PAR38	E26	18	93311938	LED18DP38ROW940/40	1	6	1700	4000K	90	150	25,000	Yes
PAR38	E26	18	93311939	LED18DP38ROW950/25	1	6	1700	5000K	90	120	25,000	Yes
PAR38	E26	18	93311940	LED18DP38ROW950/40	1	6	1700	5000K	90	150	25,000	Yes

<sup>1</sup> The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

<sup>2</sup> Minimum order quantity = Carton Qty

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