



# Attractive, dimmable, and affordable LED R20 lamp solution

## LED R20

Philips R20 LED lamps are the smart alternative to standard incandescent. The traditional lamp design can provide excellent dimming performance with spectacular energy savings. They provide the beautiful light and dependable performance you expect from LED at an economical price.

### Benefits

- Long life -- lowers maintenance costs by reducing re-lamp frequency
- Excellent color consistency with available high 90+ color rendering (CRI)
- Certain offerings feature a warm glow effect that provides an incandescent-like glow, while maintaining CRI throughout dimming range

### Features

- Available smooth dimming options
- Traditional look and feel of size, shape, and material
- Up to 25,000-hour rated average life
- Instant on
- ENERGY STAR certified options

### Application

- Hotels/Motels
- Restaurants
- Offices

# LED R20

## Versions



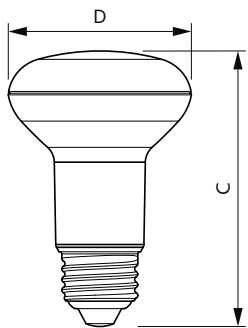
E26 R20 Frosted



Single Contact Medium Screw R  
63mm Frosted

## Dimensional drawing

Product family leaflet



Product	D	C
6R20/LED/827-22/DIM 120V	65 mm	101 mm
5R20/PER/927-22/P/E26/WG 6/1FB T20	64 mm	100 mm

Product	D	C
5R20/PER/930/P/E26/DIM 6/1FB T20	64 mm	100 mm
5R20/PER/950/P/E26/DIM 6/1FB T20	64 mm	100 mm
5R20/PER/940/P/E26/DIM 6/1FB T20	64 mm	100 mm
5R20/PER/927/P/E26/DIM 6/1FB T20	64 mm	100 mm

## LED R20

### Approval and Application

Energy Efficiency Label (EEL)	Not applicable
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### Controls and Dimming

Dimmable	Yes
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### Operating and Electrical

Input Frequency	60 Hz
Voltage (Nom)	120 V
Starting Time (Nom)	0.5 s

### General Information

Cap-Base	E26
Switching Cycle	50000X

### Light Technical

Llmf At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux (Nom)	450 lm

### Mechanical and Housing

Bulb Finish	Frosted
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### Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
929001155704	6R20/LED/827-22/DIM 120V	6 kWh
929002008904	5R20/PER/927-22/P/E26/WG 6/1FB T20	- kWh
929002035304	5R20/PER/930/P/E26/DIM 6/1FB T20	- kWh
929002035404	5R20/PER/940/P/E26/DIM 6/1FB T20	- kWh
929002092204	5R20/PER/927/P/E26/DIM 6/1FB T20	- kWh
929002204063	5R20/PER/950/P/E26/DIM 6/1FB T20	- kWh

### Operating and Electrical

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)
929001155704	6R20/LED/827-22/DIM 120V	-	6 W
929002008904	5R20/PER/927-22/P/E26/WG 6/1FB T20	45 W	5 W
929002035304	5R20/PER/930/P/E26/DIM 6/1FB T20	45 W	5 W
929002035404	5R20/PER/940/P/E26/DIM 6/1FB T20	45 W	5 W

Order Code	Full Product Name	Wattage Equivalent	Power (Rated) (Nom)
929002092204	5R20/PER/927/P/E26/DIM 6/1FB T20	45 W	5 W
929002204063	5R20/PER/950/P/E26/DIM 6/1FB T20	45 W	5 W

### General Information

Order Code	Full Product Name	Nominal Lifetime (Nom)
929001155704	6R20/LED/827-22/DIM 120V	25000 h
929002008904	5R20/PER/927-22/P/E26/WG 6/1FB T20	15000 h
929002035304	5R20/PER/930/P/E26/DIM 6/1FB T20	15000 h

Order Code	Full Product Name	Nominal Lifetime (Nom)
929002035404	5R20/PER/940/P/E26/DIM 6/1FB T20	15000 h
929002092204	5R20/PER/927/P/E26/DIM 6/1FB T20	15000 h
929002204063	5R20/PER/950/P/E26/DIM 6/1FB T20	15000 h

### Light Technical

Order Code	Full Product Name	Beam		Correlated Color	Color Rendering
		Angle (Nom)	Color Code	Temperature (Nom)	Index (Nom)
929001155704	6R20/LED/827-22/DIM 120V	-	822-827	- K	80

Order Code	Full Product Name	Beam		Correlated Color	Color Rendering
		Angle (Nom)	Color Code	Temperature (Nom)	Index (Nom)
929002008904	5R20/PER/927-22/P/E26/WG 6/1FB T20	90 °	922-927	- K	90

# LED R20

Order Code	Full Product Name	Beam		Correlated	Color
		Angle (Nom)	Color Code	Color Temperature (Nom)	Rendering Index (Nom)
929002035304	5R20/PER/930/P/E26/DIM 6/1FB T20	110 °	930	3000 K	90
929002035404	5R20/PER/940/P/E26/DIM 6/1FB T20	110 °	940	4000 K	90

Order Code	Full Product Name	Beam		Correlated	Color
		Angle (Nom)	Color Code	Color Temperature (Nom)	Rendering Index (Nom)
929002092204	5R20/PER/927/P/E26/DIM 6/1FB T20	110 °	927	2700 K	90
929002204063	5R20/PER/950/P/E26/DIM 6/1FB T20	110 °	950	5000 K	90

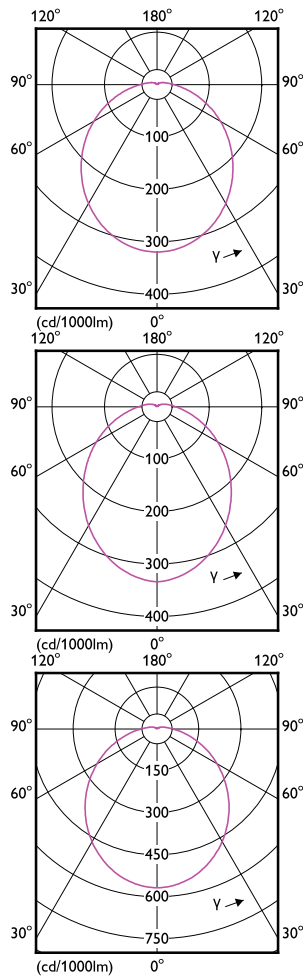
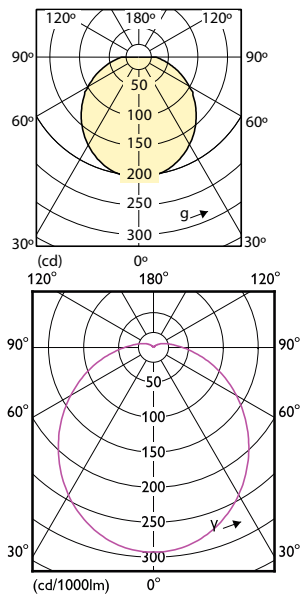
## Mechanical and Housing

Order Code	Full Product Name	Bulb Shape
929001155704	6R20/LED/827-22/DIM 120V	R-20 (R20)
929002008904	5R20/PER/927-22/P/E26/WG 6/1FB T20	R20
929002035304	5R20/PER/930/P/E26/DIM 6/1FB T20	R20

Order Code	Full Product Name	Bulb Shape
929002035404	5R20/PER/940/P/E26/DIM 6/1FB T20	R20
929002092204	5R20/PER/927/P/E26/DIM 6/1FB T20	R20
929002204063	5R20/PER/950/P/E26/DIM 6/1FB T20	R20

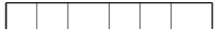
## Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929001155704	6R20/LED/827-22/DIM 120V	76 °C
929002008904	5R20/PER/927-22/P/E26/WG 6/1FB T20	75 °C
929002035304	5R20/PER/930/P/E26/DIM 6/1FB T20	70 °C
929002035404	5R20/PER/940/P/E26/DIM 6/1FB T20	70 °C
929002092204	5R20/PER/927/P/E26/DIM 6/1FB T20	70 °C
929002204063	5R20/PER/950/P/E26/DIM 6/1FB T20	70 °C



# LED R20

## Accent Diagrams



LEDbulb, Basic R20 2700K DIM

## Beam Diagrams

h(m)	VBA	$2 \times 41^\circ$	$1/2 I_{max}$	$2 \times 59^\circ$	h	$E_0$	d(m)
					(m)	(lx)	VBA $1/2 I_{max}$ $1/2 E_0$

LEDbulb, R20 2700K DIM

