



# PAR38

## Dimmable Recessed Light

Leapfrog Lighting's PAR38 LED lamp provides industry-leading light quality, output power, and efficacy as a result of our patented intelligent optics lens and high-efficiency, high-reliability LED source and driver electronics.

### Features

- Innovative anti-glare lens technology
- Available in a variety of CCTs and beam angles
- Special high CRI models
- Top performing light output and efficacy
- High Power Factor
- Compatible with most ANSI/NEMA approved dimmers designed for LED use
- UL certified
- Comprehensive five-year warranty
- Tested per IESNA LM-79-2008



### Contact

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#### LIGHT QUALITY

Evenly distributed, glare-free light with gentle roll-off at edges

#### APPLICATIONS

Indoor and unexposed outdoor down-lighting applications

#### LIFE EXPECTANCY

40,000 hours

### SPECIFICATIONS

| CCT <sup>1</sup> | CRI <sup>2</sup> | BEAM | LM   | W    | LM/W | PART            |
|------------------|------------------|------|------|------|------|-----------------|
| 2700K            | 82               | 20°  | 1150 | 16.4 | 68   | 1001-P38LC-2703 |
|                  | 82               | 38°  | 1150 | 16.4 | 68   | 1001-P38LC-2701 |
|                  | 82               | 60°  | 1150 | 16.4 | 68   | 1001-P38LC-2702 |
|                  | 95               | 20°  | 900  | 16.4 | 53   | 1001-P38LC-2706 |
|                  | 95               | 38°  | 900  | 16.4 | 53   | 1001-P38LC-2704 |
| 3000K            | 82               | 20°  | 1150 | 16.4 | 68   | 1001-P38LC-3005 |
|                  | 82               | 38°  | 1150 | 16.4 | 68   | 1001-P38LC-3001 |
|                  | 82               | 60°  | 1150 | 16.4 | 68   | 1001-P38LC-3003 |
|                  | 95               | 20°  | 900  | 16.4 | 53   | 1001-P38LC-3006 |
|                  | 95               | 38°  | 900  | 16.4 | 53   | 1001-P38LC-3002 |
| 5000K            | 82               | 20°  | 1225 | 16.7 | 72   | 1001-P38LC-5003 |
|                  | 82               | 38°  | 1225 | 16.7 | 72   | 1001-P38LC-5001 |
|                  | 82               | 60°  | 1225 | 16.7 | 72   | 1001-P38LC-5002 |
|                  | 95               | 20°  | 1050 | 16.7 | 62   | 1001-P38LC-5006 |
|                  | 95               | 38°  | 1050 | 16.7 | 62   | 1001-P38LC-5004 |
|                  | 95               | 60°  | 1050 | 16.7 | 62   | 1001-P38LC-5005 |

1. Tolerances as per ANSI C78.377-2008 Nominal CCT categories  
2. CRI refers to the "General CRI" described as Ra in CIE 13.3

#### PERFORMANCE

Dimmable, high efficacy (lm/W), single light source

#### COLOR

Ultra-consistent color temperature control critical to multi-lamp applications, with high CRI and pleasing CCT options.

#### GENERAL

|                            |              |
|----------------------------|--------------|
| Min. lifetime <sup>3</sup> | 40,000 hours |
| Base type                  | E26/E27      |
| Weight                     | 1lb 8 oz.    |
| Dimensions <sup>4</sup>    | PAR38L       |

#### ELECTRICAL

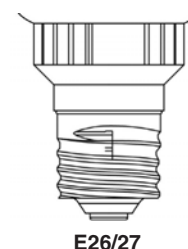
|                  |                                             |
|------------------|---------------------------------------------|
| Voltage, nominal | 120 VAC                                     |
| Power factor     | > 0.95                                      |
| Dimming range    | Flicker free<br>down to 10%<br>light output |

#### OPTICAL

|                  |         |
|------------------|---------|
| Duv <sup>5</sup> | < 0.006 |
|------------------|---------|

3. Lifetime as defined by IESNA LM-80  
4. Compatible with ANSI C78.21-2011 dimensional requirements  
5. Duv values and tolerances as per ANSI C78.377-2008 Nominal CCT, Table 1, page 8

#### BASE TYPE

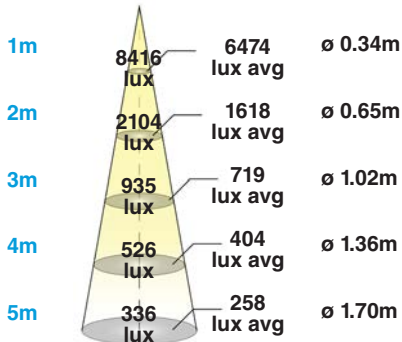




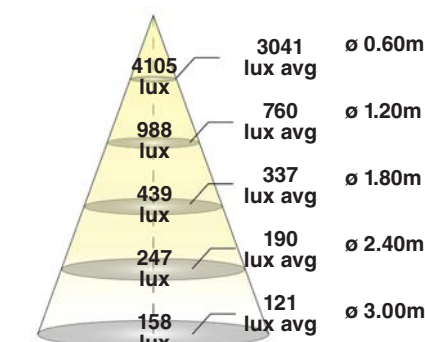
## BEAM ANGLES

### 2700K

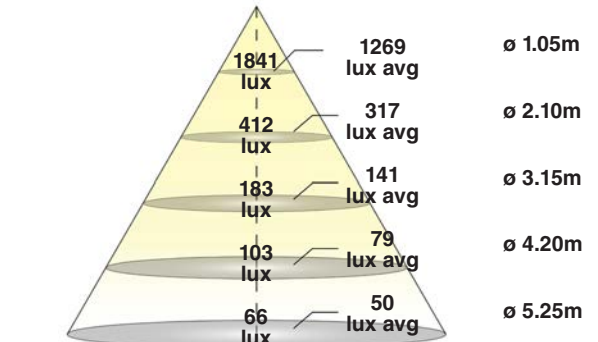
#### 20 degrees



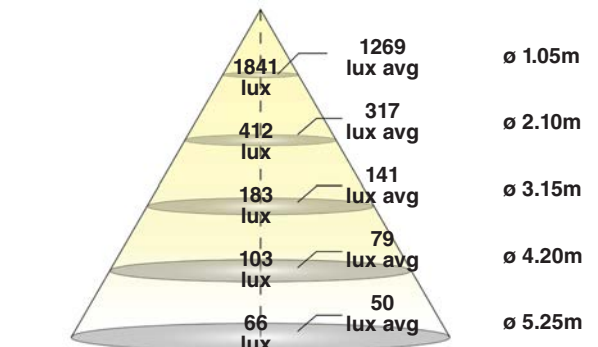
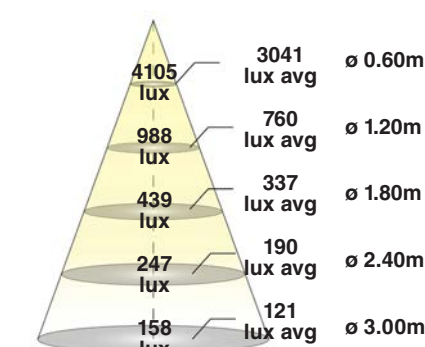
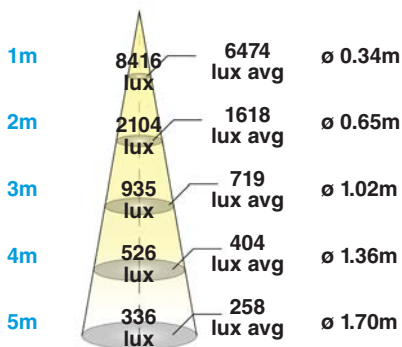
#### 38 degrees



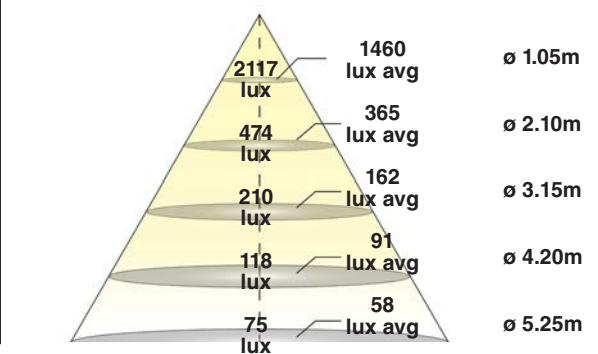
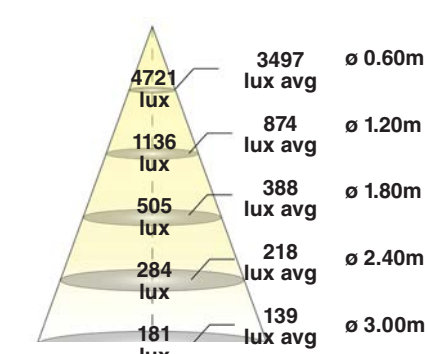
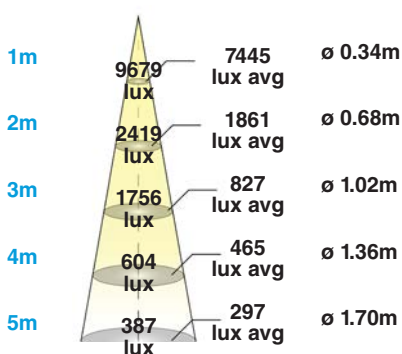
#### 60 degrees



### 3000K



### 5000K



#### WARRANTY

If you're not satisfied with this lamp within 3 months, we will refund the purchase price.  
If the lamp fails to meet our specifications during the first 60 months, we'll replace it.  
For additional warranty information, please refer to:  
<http://www.leapfroglighting.com/resources/>.

#### APPLICATION NOTES

Not for use in exposed outdoor down-lighting applications

Ambient temperature within -20 to +45 °C

#### SAFETY NOTES

Warning: Risk of electric shock

Do not disassemble (no user serviceable parts)

Turn off power before inspection, installation or removal.

