

**Description:** RX-BKT28-27035, LED light sources - New technology guarantee absolute consistency of Voltage and current. Can be extended to connect. WAGO2060 Terminal Block, very easy to connect and remove the conductors. Brightness up to 1680Lm/270x35mm; Light efficiency compared to similar products increased by 50%. up to 135Lm / W, For a variety of lighting.


**CRI: 85**

3000K/4250K/6250K

**Up to 135Lm/W**

35.5V @ 175mA

**Size**

270x35mm 72LED

**Extendable LED module**

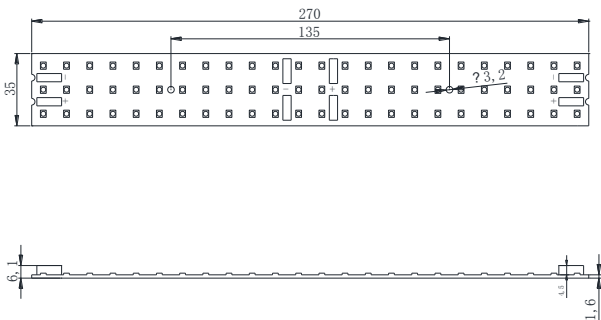
 High precision consistency  
Constant Current Technology

**Warranty**

3 years

**Safe and reliable**

PTC Overcurrent Protection



Unit: mm

| Application specs       |                                  |
|-------------------------|----------------------------------|
| Brightness              | 820Lm@175mA ; 1680Lm@350mA       |
| Default Colors          | CW6000~6500K                     |
| Other colors            | WW2700~3200K NW4200~4700K        |
| Waterproof Rating       | IP53                             |
| Operating Temperature   | -22°F~-185°F (-30~85°C) PCB /Tsp |
| Electrical specs        |                                  |
| Power                   | 13.3W @350mA; 6.2W@175mA         |
| Input                   | DC35.5V@175mA ; DC38V@350mA      |
| Interconnect connection | 10pcs @350mA 20pcs@175mA         |
| Certification           | CE RoHS FCC                      |
| Life-Span               | >50000hours                      |

**Technical Data:**

| Part Number       | Dimensions<br>Net weight | CCT        | LED<br>QTY      | Luminous<br>flux Typ | Forward<br>VoltageTyp | Test<br>Current | Power<br>Typ | Efficacy<br>Typ | TSP<br>Test |
|-------------------|--------------------------|------------|-----------------|----------------------|-----------------------|-----------------|--------------|-----------------|-------------|
| RX-BKT28-27035-CW | 270x35mm<br>50g          | 6000~6500K | 12s 6p<br>72pcs | 820Lm                | 35.5V                 | 175mA           | 6.2W         | 132Lm/W         | 45°C        |
|                   |                          |            |                 | 1680Lm               | 38V                   | 350mA           | 13.3W        | 126Lm/W         | 55°C        |
| RX-BKT28-27035-NW |                          | 4000~4500K |                 | 840Lm                | 35.5V                 | 175mA           | 6.2W         | 135Lm/W         | 45°C        |
|                   |                          |            |                 | 1700Lm               | 38V                   | 350mA           | 13.3W        | 128Lm/W         | 55°C        |
| RX-BKT28-27035-WW |                          | 2700~3200K |                 | 785Lm                | 35.5V                 | 175mA           | 6.2W         | 127Lm/W         | 45°C        |
|                   |                          |            |                 | 1590Lm               | 38V                   | 350mA           | 13.3W        | 120Lm/W         | 55°C        |

Note: The above table data test room temperature is 25 °C, Cooling by free air convection, TSP Test Operating Temperature.

Tolerance range for optical and electrical data: ±10 %.

Maximum Rated Values

| Part Number    | Forward Current | Forward Voltage |
|----------------|-----------------|-----------------|
| RX-BKT28-27035 | 350mA           | 38V@350mA       |

Thermal Characteristics

|                              |             |
|------------------------------|-------------|
| Storage Temperature, TSTG    | -30 ~ +85°C |
| Operating Temperature, Top   | -40 ~ +85°C |
| Max. Solder Point Temp., Tsp | 85°C        |

Operating Temperature, Top= Ambient temperature + 30 °C Typ

Standard Driver Options

|               | 175mA    | 350mA    |
|---------------|----------|----------|
| EFC-09 170mA  | 1S/7.5W  | --       |
| EFC-09-350mA  | 2P/15W   | 1S/16W   |
| EFC-022-680mA | 4P/27W   | 2P/27W   |
| HLG-40H-36    | 6P/45W   | 3P/45W   |
| HLG-120H-36   | 24P/138W | 12P/138W |

Part Numbering

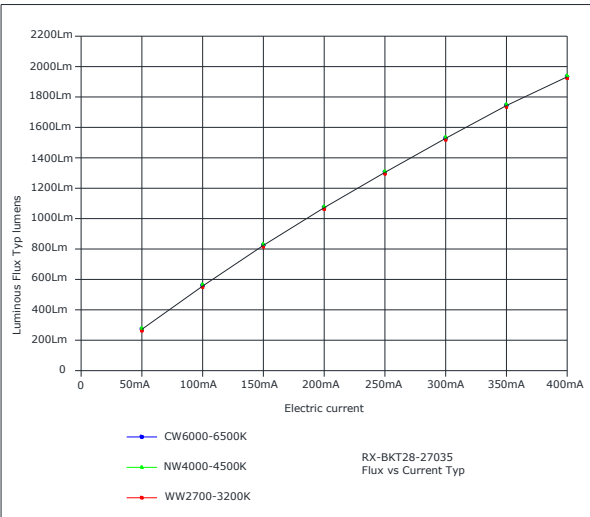
| RX-BKT    | -28      | -XXXX            | -XX |
|-----------|----------|------------------|-----|
| LED Model | PCB Size | Photometric Code |     |
|           |          | CW6000~6500K     |     |
|           |          | NW4000~4500K     |     |
|           |          | WW2700~3200K     |     |

Where 1S = 1 Module, 4P is 4 Module in parallel etc; Power includes drivers consumption

For example: EFC-09-350mA drive of 2pcs parallel 175mA modules

or 1pcs 350mA modules

Flux Typical vs. Current



Voltage vs. Current

