



Simple and easy appearance, in line with contemporary aesthetic concept. The product has the structure and appearance design patent. High efficiency constant current driver, ensure the light source is maximum used. can be easily installed in any type of space, to create amazing light effects, The LED is set back to minimize glare. The main body is made of die-cast aluminum that guarantees optimum heat dissipation with single optic lens family in the most popular sizes and beams with excellent color rendering, and Supreme light quality.

## FIELDS OF APPLICATION:

Living spaces, villas, residential, offices, showrooms, hotels, buildings, hospitals, shopping malls, supermarket, convention centers, galleries, etc.

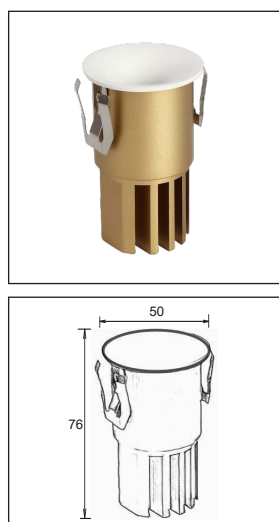
The SPARK Recessed ceiling luminaries adaptable for indoor applications.

High Lumen Efficacy 115 lm/W - UGR<19  
Body - Die cast aluminum housing with solvent free powder coating  
Diffuser - polycarbonate pattern lens  
Glowing Wire Test - 850°  
Temperature - of=20 °C ~ of max=50 °C

## SPARK-A-1-8-27-W-3W



Model --- **SPARK**



### SPARK

|   |   |   |   |   |            |           |       |       |               |        |                  |      |      |  |
|---|---|---|---|---|------------|-----------|-------|-------|---------------|--------|------------------|------|------|--|
| X | X | X | X | X | Size       | A — B — C |       |       |               |        |                  |      |      |  |
|   |   |   |   |   | Driver     | 1         | 2     | 3     | 4             | 5      | 6                | 7    |      |  |
|   |   |   |   |   |            | On/Off    | Dali  | 1-10  | Phase Dimming | RGBW   | Casambi          | Tuya |      |  |
|   |   |   |   |   | Beam Angle | 8 °       |       |       | 15°           | 30°    | 50°              |      |      |  |
|   |   |   |   |   | Kelvin     | 27        | 30    | 40    | 50            | 60     | TUN              | 1    | 2    |  |
|   |   |   |   |   |            | 2700k     | 3000k | 4000k | 5000k         | 6000k  | Tunable          | RGB  | RGBW |  |
|   |   |   |   |   | Finishing  | W         |       |       | B             | S      | X                |      |      |  |
|   |   |   |   |   |            | white     |       |       | black         | silver | as per requested |      |      |  |
|   |   |   |   |   |            | 3         | 5     | 7     | 9             |        |                  |      |      |  |

Lighting Customization Solution can offer you modifications for environment with higher options as a customized product.

IP44



McA Step 3

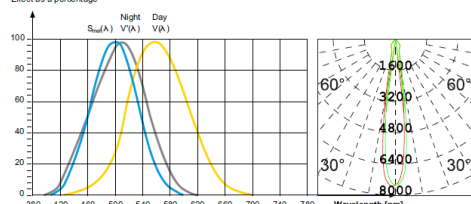
220-240V



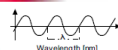
|               |      |
|---------------|------|
| A - Ø 50-76mm | 35mm |
| B - Ø 60-84mm | 45mm |
| C - Ø 70-96mm | 55mm |

### Relative spectral perception of brightness and melanopic effect

Effect as a percentage

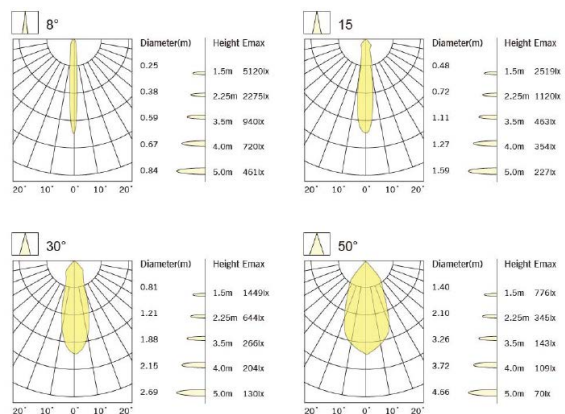
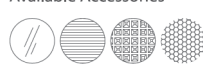


Explanation of the three curves:  
V(λ) = Perception of brightness, daytime seeing with the cones  
V(λ) = Nighttime seeing with the rods  
S<sub>rel</sub>(λ) = Melanin suppression with the photoreceptive ganglion cells



Die Attach (Via Epoxy or Solder)  
Encapsulation into Glass Top  
WIRE BONDS  
SUBSTRATE

### Available Accessories



### LED life time

|                               |           | Operating time 1.000 h |    |      |      |      |      |      |      |      |      |      |
|-------------------------------|-----------|------------------------|----|------|------|------|------|------|------|------|------|------|
| Lamp Lumen Maintenance Factor |           | 1                      | 10 | 20   | 30   | 40   | 50   | 60   | 70   | 80   | 90   | 100  |
| Lamp Survival Factor          |           | 1                      | 1  | 1    | 1    | 1    | 1    | 1    | 1    | 0.99 | 0.99 | 0.99 |
| L80                           | 50.000 h  | LLMF                   | 1  | 0.96 | 0.92 | 0.88 | 0.84 | 0.80 | 0.76 | 0.72 | 0.68 | 0.64 |
|                               |           | LSF                    | 1  | 1    | 1    | 1    | 1    | 1    | 0.99 | 0.99 | 0.99 | 0.98 |
| L80                           | 100.000 h | LLMF                   | 1  | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.86 | 0.84 | 0.82 |
|                               |           | LSF                    | 1  | 1    | 1    | 1    | 1    | 1    | 0.99 | 0.99 | 0.99 | 0.99 |

