United Global Enterprises
Finest Quality in Energy Efficient Lighting Products

SHOPFITTER ROUND 30W DATASHEET

1. Product name
UMHLED30RD-5K-WH

2. Product description and application
The UGE 30W Shopfitter is a suitable replacement for the traditional Metal Halide lamp and saves about 50%-70% electricity cost.

3. Features
- Long life (2 years replacement warranty)
- Replacement for Metal Halide Lamp
- UV free, ROHS compliant
- Tilt-adjustable 90 degree

Model No. UMHLED30RD-5K-WH

4. Materials
- Die-casting aluminum crust
- High intensity toughened glass cover
- High-purity aluminum reflector
- High powered LED light source
- High efficiency LED driver

5. Applications
- The luminaire is an excellent solution for retrofitting existing retail and commercial applications.
- LED technology can be used in areas where UV ray or sparks need to be controlled or forbidden.
- Excellent solution for extended lighting, decreases energy cost.

6. Optical characteristics

6.1 LED
LED brand: EPISTAR COB
LED color: Cool white (5500K),
                    Warm white (3000K)
LED efficacy: 100 lm/W (cool white),
                        80lm/W (warm white)
CRI: Cool white CRI>67 , Warm white CRI > 80
Viewing angle: 120 degrees

6.2 LED Luminous flux

Series	No. of LEDs	Luminous flux	
		Cool white	**Warm white**
UMHLED30RD-5K-WH	Multi-array	2600lm	1500lm

5.3 LED life span

The life span of the LED is directly related to the leg temperature of the LED. The higher the temperature of the LED, the shorter its life span.

Power	Leg temperature (ºC)
30W	Ambient + 35 ºC

T(ºC)	Life(hours)	T(ºC)	Life(hours)	T(ºC)	Life(hours)
50	100,000	70	80,000	90	40,000
60	100,000	80	55,000	100	30,000
LED Lifespan					

Note: The table of LED leg temperature (T) against LED lifespan serves as a guide. Actual LED lifespan may vary. Data from LED manufacturer.

6. Electrical characteristics

Series	LED driver	Dimmable	Input voltage / current	Power efficiency	EMI
UMHLED30RD-5K-WH	External 30W	No	220-240V	Up to 85%	Not significant

7. Physical characteristics and packaging

7.2 UMHLED30RD-5K-WH

Product size: Ø186 x D156mm, Cutout: Ø 165mm

Net weight per LED lamp: 2.7kg

Color box size: 220mmx210mmx170mm

Storage temperature: -20℃ ~ +60℃

Working temperature: -20℃ ~ +60℃