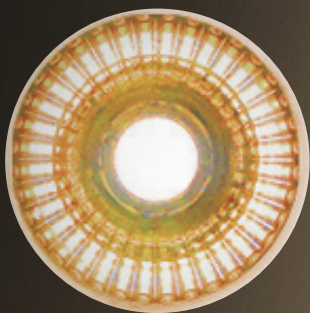


CIVILIGHT



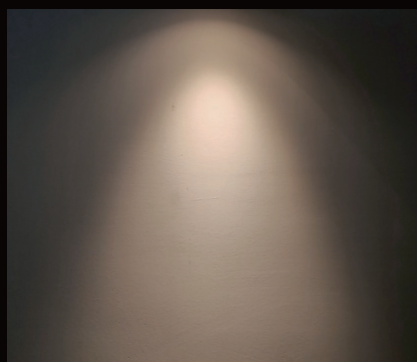
New Upgrade

NEW HALED III

HALED optical design with patent, comfortable light like halogen
Luminous Intensity of the same lumen is 25~30%
higher than other similar products



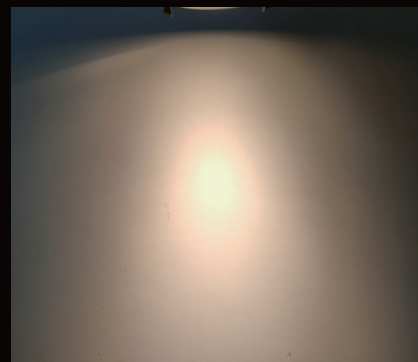
- Luminous Intensity of the same lumen is 20% higher than other similar products
- HALEd optical design with patent, comfortable light like halogen



HALED Optics



Halogen Optics



Normal Brand

HALED optical light effect is similar to traditional halogen spots



CIVILIGHT



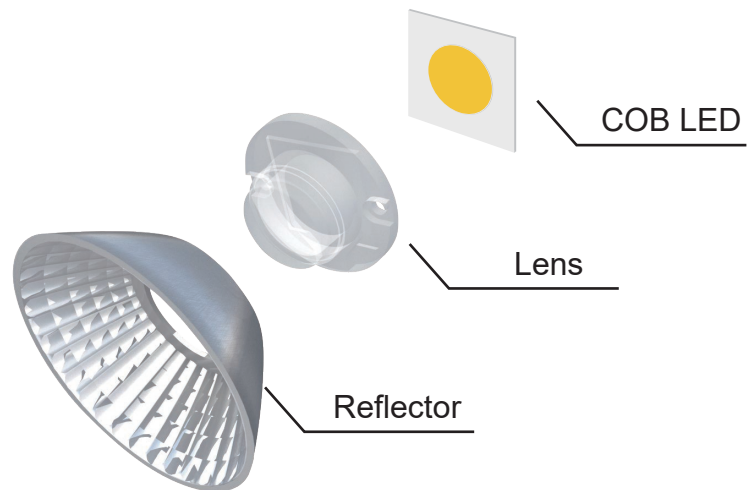
HALED[®] Design

CIVILIGHT always focus on product quality and the best LED lighting products.

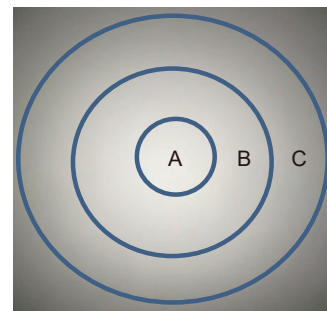
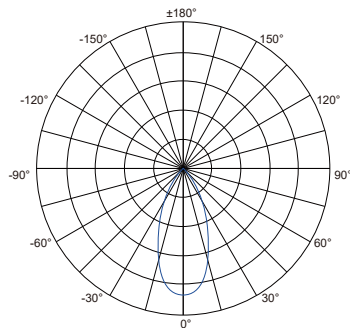
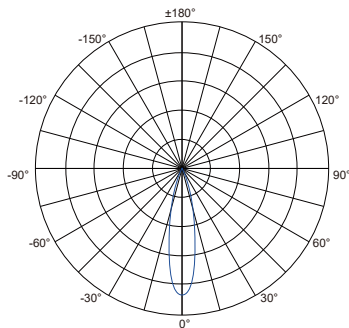
HALED optical design is the unique masterpiece that equals to halogen light effect, offering a human-centric light environment.

HALED® Optics

Equals to traditional halogen light
Anti-glare, low URG value



Photometric Information

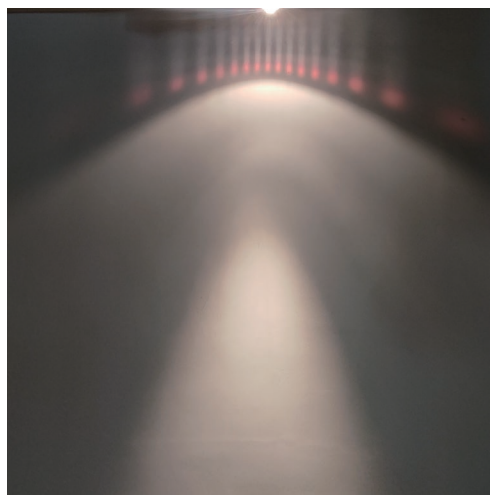


A Intense
B
C Weak

HALED Spot Light



Halogen Lamp Spot Light



Compared with other brands product,
patented HALED® lamps offering more natural light that equals to halogen light.

High-quality healthy light

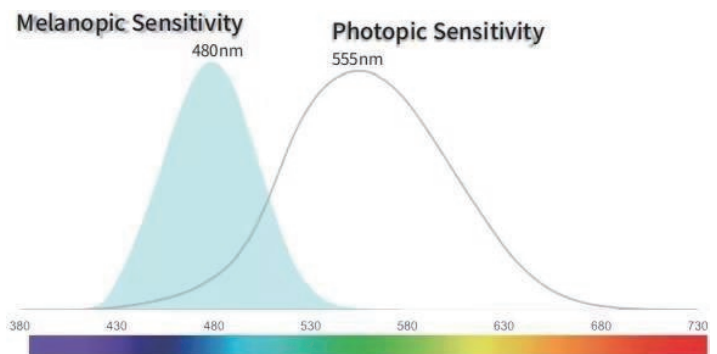
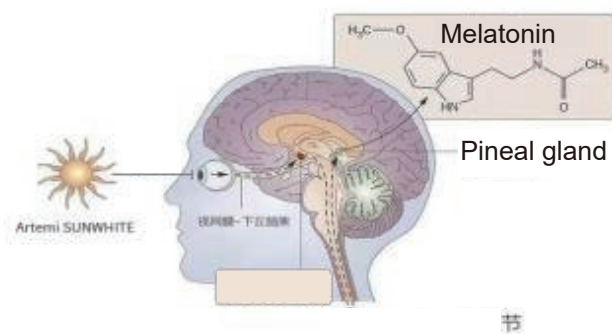
Connecting with nature like sunlight

Healthy light The light of the sun affects biological, psychological, and physical influences by controlling the human biorhythm.

However, modern people spend their time mostly indoor so that people cannot enjoy the benefit of natural light.

Healthy light promotes the growth of melatonin

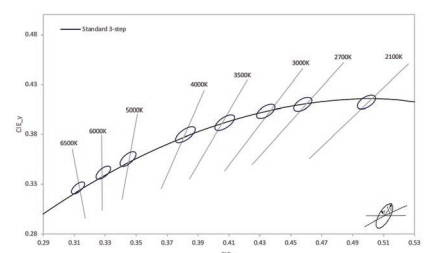
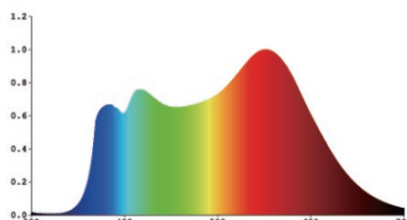
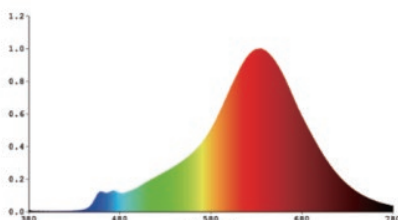
The CCT is as low as 1850K



Melatonin is an amine hormone secreted by the human pineal gland.

Due to its significant role in regulating sleep and circadian rhythms, it has been extensively studied and applied.

CRI 95+, R9 > 90, Rf > 95

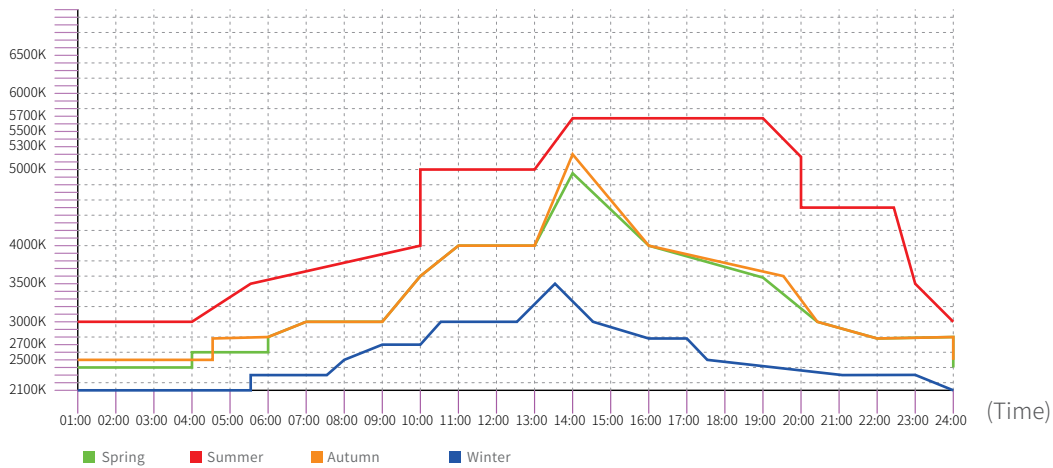


Human Centric by SUNWHITE Technology

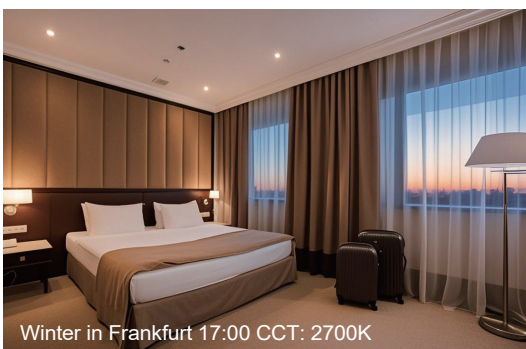
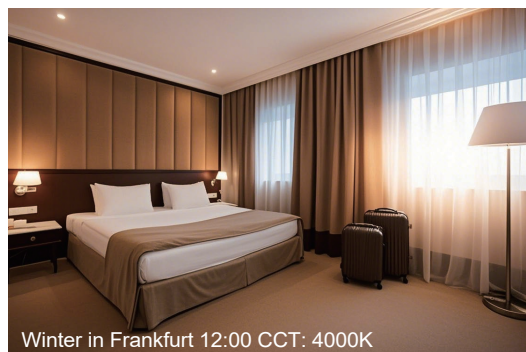
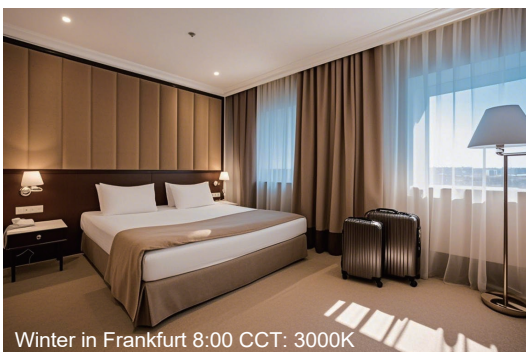
CCT can be changed according to different regions different times in a day of different seasons

The CCT curve variation in Frankfurt

(CCT)

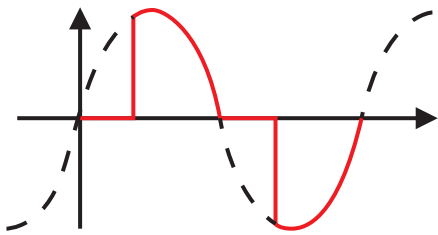


It can be adjusted according to cusuoomer needs.



Dimmer Type

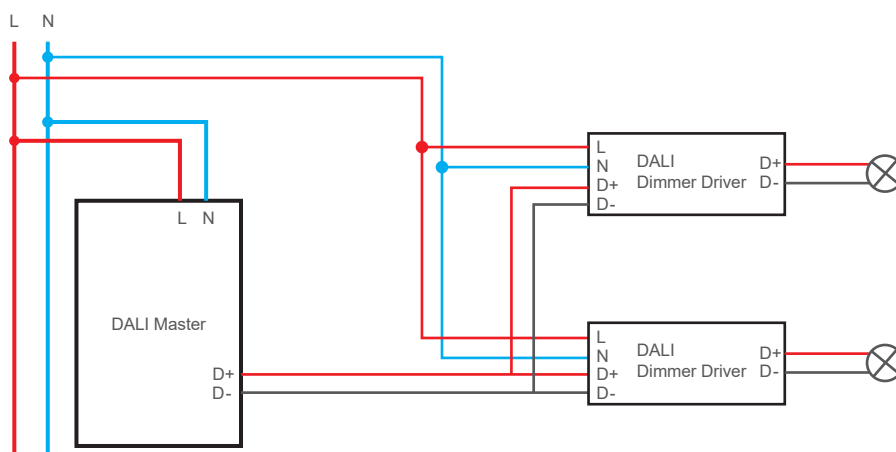
Triac Dimmer



It is compatible with both front-edge phase-cutting dimming

DALI

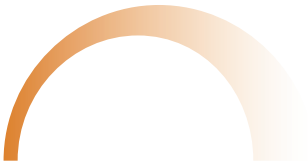
Input: AC220~240V



It can be connected to a DALI dimmer drive to achieve single-lamp single-control and multi-lamp group control

Dim To Warm

Dimming coefficient: 1-100%



Dim to warm

Compatible with both leading-edge

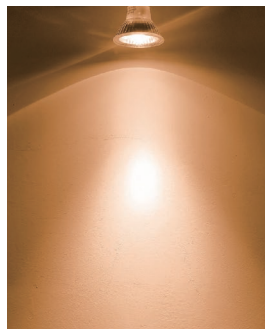
HALED® Product Dim to Warm



2700K Brightness 100%

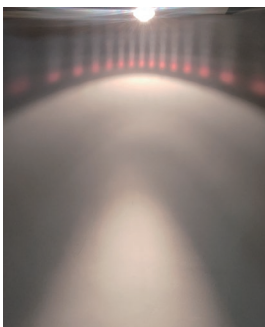


2500K Brightness 50%

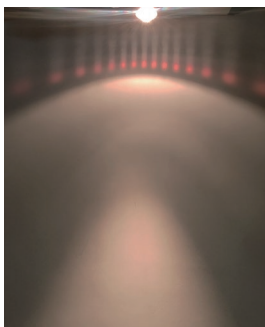


2100K Brightness 20%

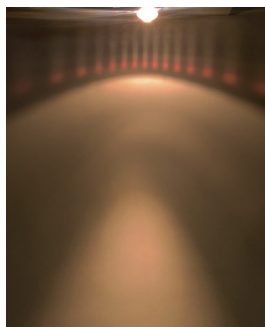
Halogen Lamp Dim to Warm



2700K Brightness 100%



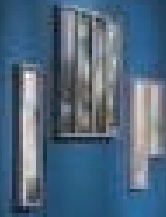
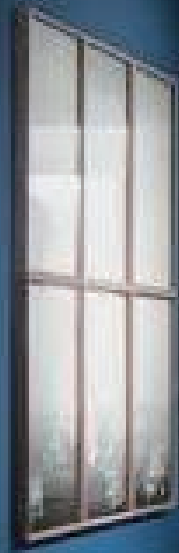
2500K Brightness 50%



2100K Brightness 20%

CIVILIGHT







CIVILIGHT



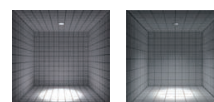
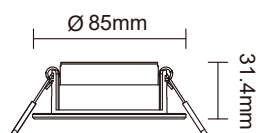
New HALELED Downlight

Driver Outside (supporting Triac/DALI/SUNWHITE technology)

The black module is coated with graphene and can be used in enclosed luminaires.



CE RoHS ErP✓



Nickel



Matt White



Matt Black

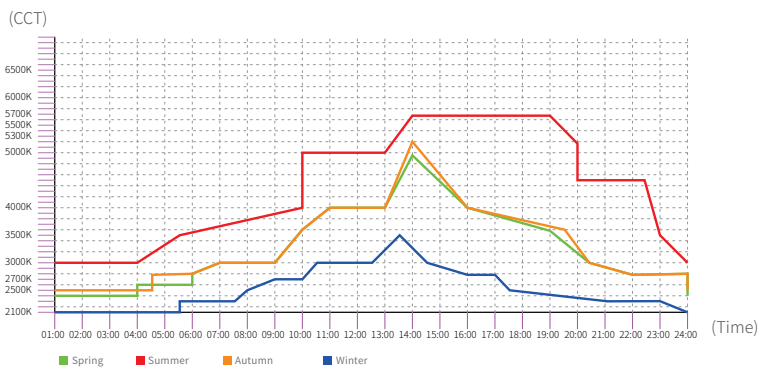
Product	Slim Downlight			
Wattage	■ 4.8W	6W	4.8W	6W
Voltage	■ AC200-240V	AC200-240V	AC200-240V	AC200-240V
Dimmable	■ Dim to Warm	Dim to Warm	Dimmable	Dimmable
CCT	■ 2700~2100K	2700~2100K	2700/3000K	2700/3000K
Lumens	■ 350lm	500lm	350lm	500lm
CRI	■ 95	95	95	95
Beam Angle	■ 24°/ 36°	24°/ 36°	24°/ 36°	24°/ 36°
Peak luminous intensity	■ 1050cd/ 800cd	1450cd/ 1100cd	1150cd/ 900cd	1550cd/ 1200cd
Life Span	■ 40000hrs	40000hrs	40000hrs	40000hrs

New HALELED Module

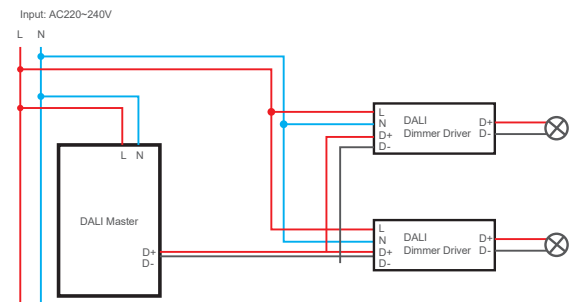
Driver Outside (SUNWHITE technology+DALI)

The black module is coated with graphene and can be used in enclosed luminaires.

The CCT curve variation in Frankfurt



DALI



It can be connected to a DALI dimmer drive to achieve single-lamp single-control and multi-lamp group control



Nickel

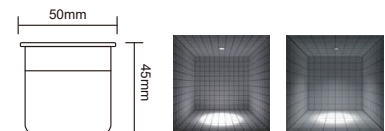


Matt White



Matt Black

CE RoHS ErP



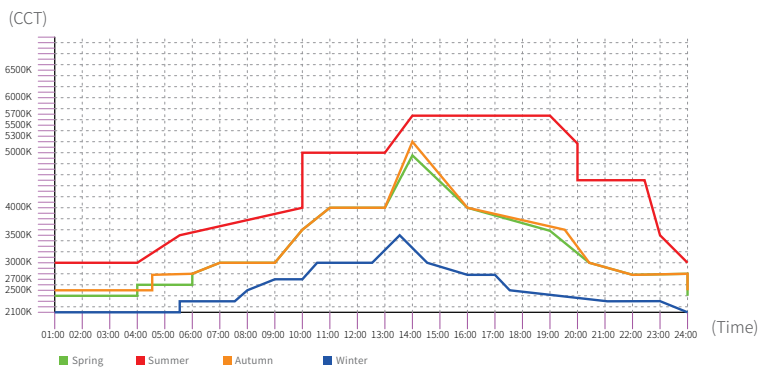
Product	■ Module(Driver Outside)
Wattage	■ 8W
Voltage	■ AC200-240V
Dimmable	■ SUNWHITE+ DALI
CCT	■ 1800~4000K/ 2000~5000K
Lumens	■ 620lm
CRI	■ 95
Beam Angle	■ 24°/ 36°
Peak luminous intensity	■ 1950cd/ 1450cd
Life Span	■ 40000hrs

New HALED Module

Driver Outside (SUNWHITE technology + Triac)

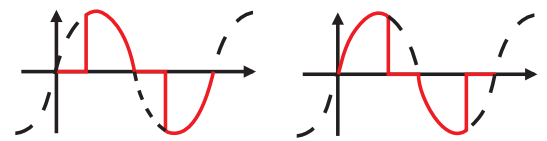
The black module is coated with graphene and can be used in enclosed luminaires.

The CCT curve variation in Frankfurt



It can be adjusted according to customer needs.

Triac Dimmer



It is compatible with both front-edge phase-cutting dimming and rear-edge phase-cutting dimming methods simultaneously



Nickel

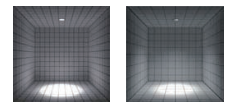
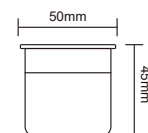


Matt White



Matt Black

CE RoHS ErP



Product	■ Module(Driver Outside)
Wattage	■ 8W
Voltage	■ AC200-240V
Dimmable	■ SUNWHITE+ DALI
CCT	■ 1800~4000K/ 2000~5000K
Lumens	■ 620lm
CRI	■ 95
Beam Angle	■ 24°/ 36°
Peak luminous intensity	■ 1950cd/ 1450cd
Life Span	■ 40000hrs

New HALELED Module

(Dimmable & Dim to Warm)

The black module is coated with graphene and can be used in enclosed luminaires.



Nickel

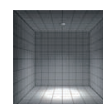
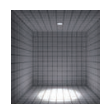
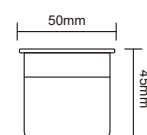


Matt White



Matt Black

CE RoHS ErP



Product	■ HALELED Module	
Wattage	■ 8W	8W
Voltage	■ AC200-240V	AC200-240V
Dimmable	■ Dim to Warm	Dimmable
CCT	■ 2700~2100K	2700/3000K
Lumens	■ 620lm	620lm
CRI	■ 95	95
Beam Angle	■ 24°/ 36°	24°/ 36°
Peak luminous intensity	■ 1950cd/ 1450cd	2000cd/ 1550cd
Life Span	■ 40000hrs	40000hrs

HALED Module (4.8W/6W)



Nickel

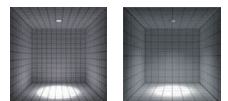
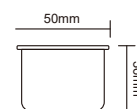


Matt White



Matt Black

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Product	Module			
Wattage	4.8W	6W	4.8W	6W
Voltage	AC200-240V	AC200-240V	AC200-240V	AC200-240V
Dimmable	Dim to Warm	Dim to Warm	Dimmable	Dimmable
CCT	2700~2100K	2700~2100K	2700/3000K	2700/3000K
Lumens	350lm	500lm	350lm	500lm
CRI	95	95	95	95
Beam Angle	24°/ 36°	24°/ 36°	24°/ 36°	24°/ 36°
Peak luminous intensity	1050cd/ 800cd	1450cd/ 1100cd	1150cd/ 900cd	1550cd/ 1200cd
Life Span	40000hrs	40000hrs	40000hrs	40000hrs

NEW HALED GU10

New HALED 4.8W GU10 ≈ Old HALED III GU10 6W lamp (replacing 50W halogen lamp)
 New HALED 6W GU10 ≈ Old HALED III GU10 8W lamp (replacing 75W halogen lamp)



CE RoHS ErP

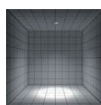


Product	■ GU10			
Wattage	■ 4.8W	6W	4.8W	6W
Voltage	■ AC200-240V	AC200-240V	AC200-240V	AC200-240V
Dimmable	■ Dim to Warm	Dim to Warm	Dimmable	Dimmable
CCT	■ 2700~2100K	2700~2100K	2700/3000K	2700/3000K
Lumens	■ 350lm	500lm	350lm	500lm
CRI	■ 95	95	95	95
Beam Angle	■ 24°/ 36°	24°/ 36°	24°/ 36°	24°/ 36°
Peak luminous intensity	■ 1050cd/ 800cd	1450cd/ 1100cd	1150cd/ 900cd	1550cd/ 1200cd
Life Span	■ 40000hrs	40000hrs	40000hrs	40000hrs

NEW HALED MR16



CE RoHS ErP✓

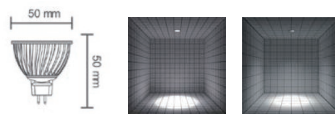


Product	■ MR16 (Driver Outside)
Wattage	■ 7W
Voltage	■ ADC12V
Dimmable	■ Dimmable
CCT	■ 2700/ 3000K
Lumens	■ 540lm
CRI	■ 95
Beam Angle	■ 24°/ 36°
Peak luminous intensity	■ 1750cd/ 1350cd
Life Span	■ 40000hrs

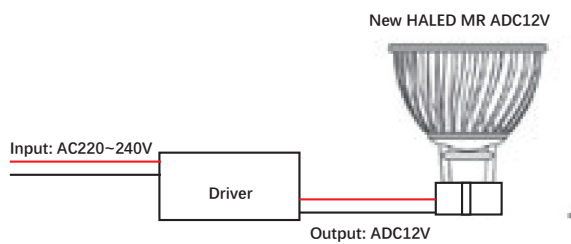
NEW HALED MR16



CE RoHS ErP✓



Connection Instructions



Product	■ MR16
Wattage	■ 7W
Voltage	■ ADC12V
Dimmable	■ Non Dimmable
CCT	■ 2700/3000K
Lumens	■ 540lm
CRI	■ 95
Beam Angle	■ 24°/ 36°
Peak luminous intensity	■ 1750cd/ 1350cd
Life Span	■ 40000hrs

CIVILIGHT

www.civilight.de

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E-mail: market@sunwhite.cn, market@cvitec.de