

# 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<sup>®</sup> 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.

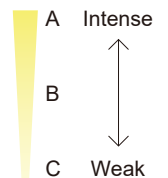
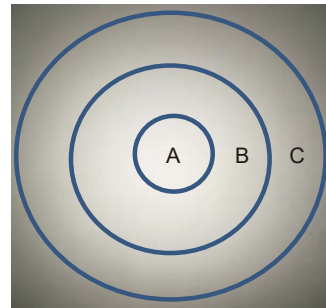
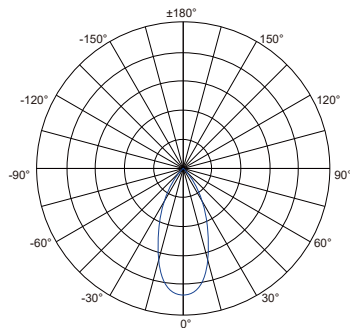
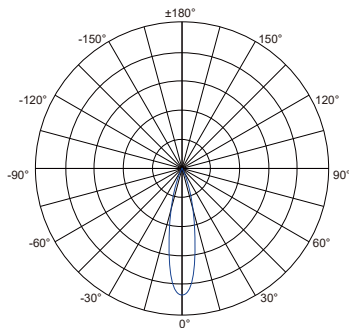


## HALED® Optics

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



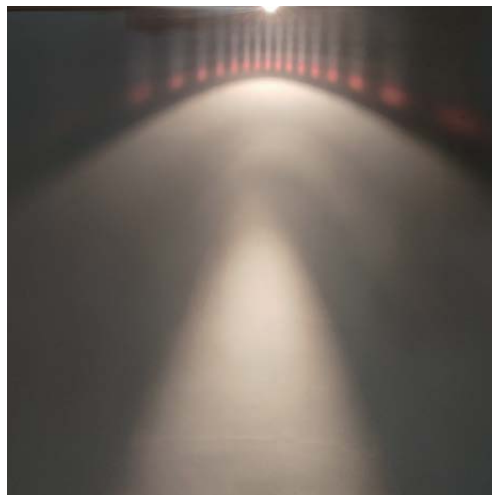
### Photometric Information



### HALED Spot Light



### Halogen Lamp Spot Light



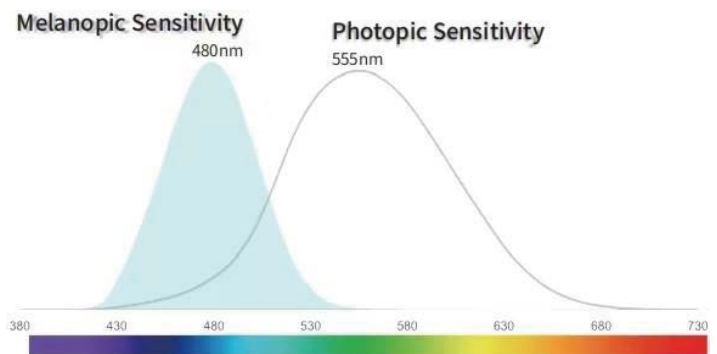
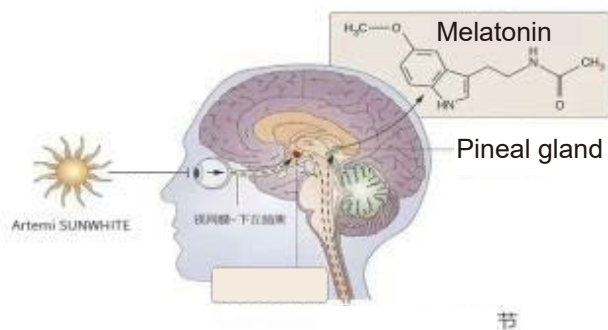
Compared with other brands product,  
patented HALED® lamps offering more natural light that equals to halogen light.

# High-quality healthy light

## Connecting with nature like sunlight

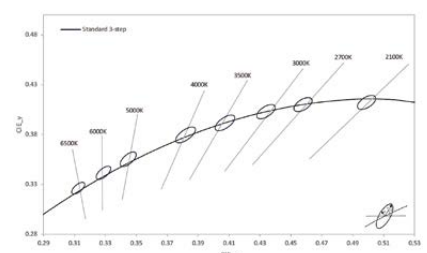
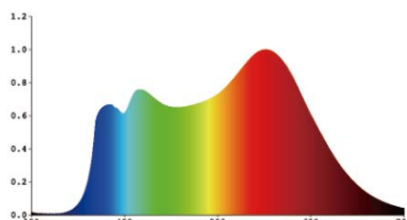
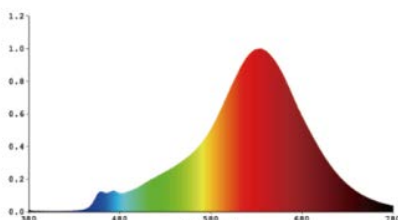
Healthy light The light of the sun affects biological, psychological, and physical influences by controlling the human biorhythm. However, modern people spend their time mostly indoor so that people cannot enjoy the benefit of natural light.

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 > 97, Rf > 97**

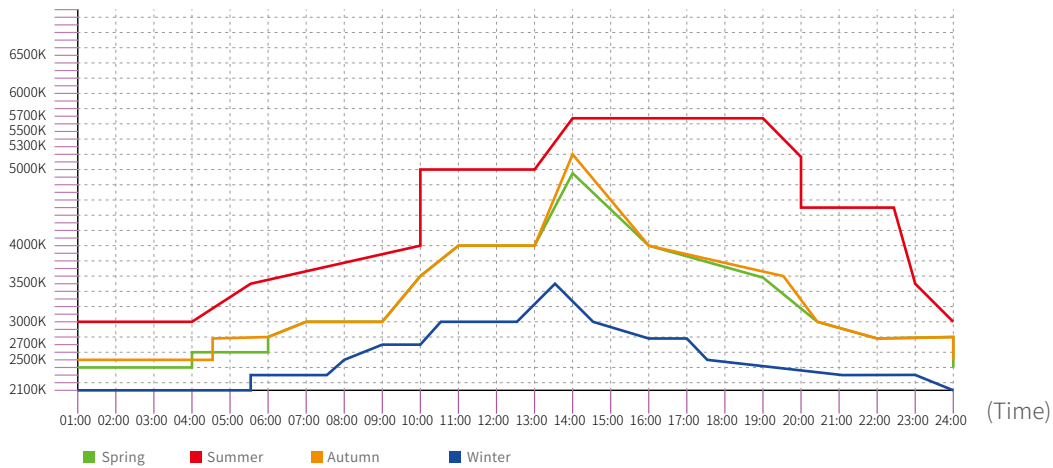


## Human Centric by SUNWHITE Technology

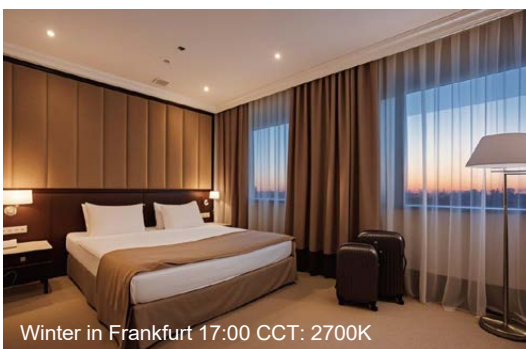
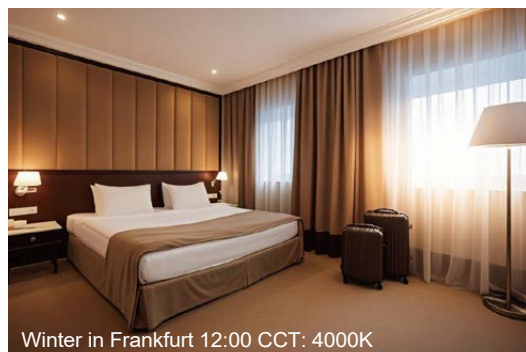
CCT can be changed according to different regions different times in a day of different seasons

The CCT curve variation in Frankfurt

(CCT)

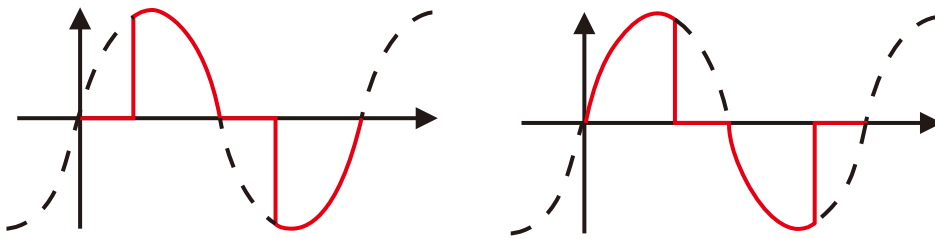


It can be adjusted according to cusuoomer needs.



## Dimmer Type

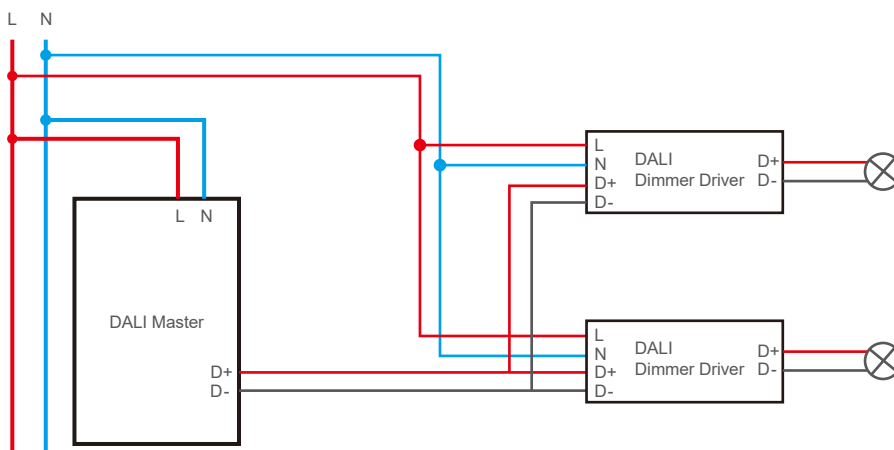
### Triac Dimmer



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

## 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  
and trailing-edge dimming

### HALED® Product Dim to Warm



2700K Brightness 100%



2500K Brightness 50%

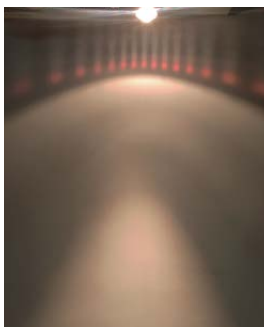


2100K Brightness 20%

### Halogen Lamp Dim to Warm



2700K Brightness 100%



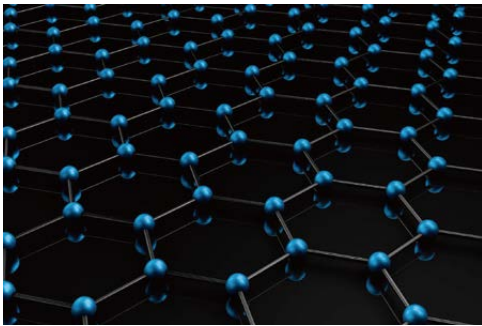
2500K Brightness 50%



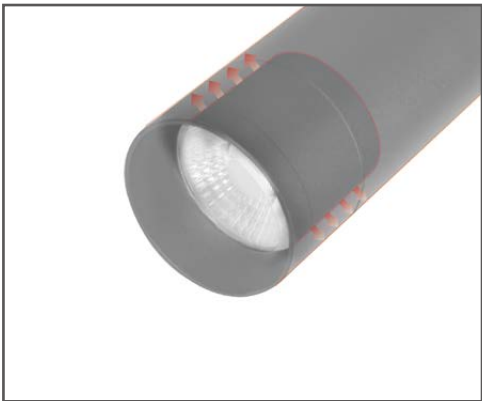
2100K Brightness 20%



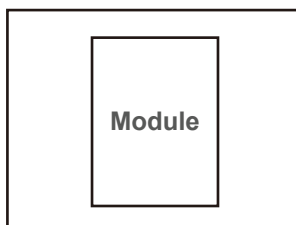
## HALED Module by Graphene coating



By using graphene nanosheets, through dual heat dissipation of infrared radiation ( $\epsilon > 0.95$ ) and conduction, for every  $10^{\circ}\text{C}$  reduction in the junction temperature of leds, the lifespan is extended by approximately 50%



The module can be applied in fields such as track lights, wall lights, ceiling lights, and exposed downlights

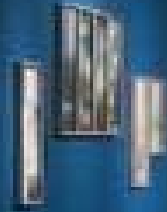
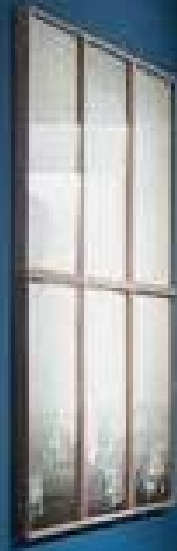



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Graphene's high thermal radiation efficiency makes it ideal for sealed environments

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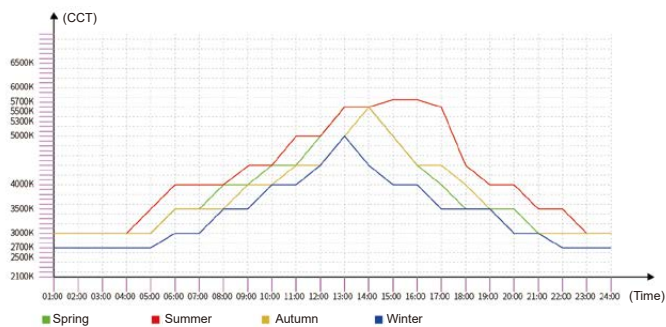


## New HALED Downlight

### Driver Outside (SUNWHITE technology)

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

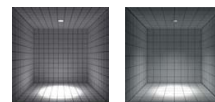
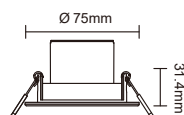
#### The CCT curve variation in Frankfurt



It can be adjusted according to customer needs.



CE RoHS ErP



Matt White



Matt Black

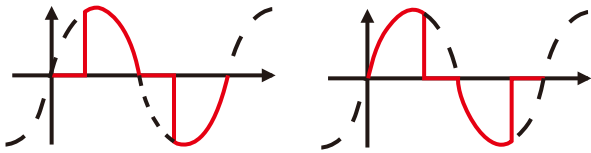
Product	■ New HALED Downlight (Driver Outside)
Wattage	■ 10W
Voltage	■ AC200-240V
Dimmable	■ SUNWHITE+ Dim to Warm
CCT	■ 1800~4000K/ 2000~5000K
Lumens	■ 800lm
CRI	■ 95
Beam Angle	■ 24°/ 36°
Peak luminous intensity	■ 2450cd/ 1850cd
Life Span	■ 40000hrs

## New HALELED Downlight

### Driver Outside (supporting Triac/DALI)

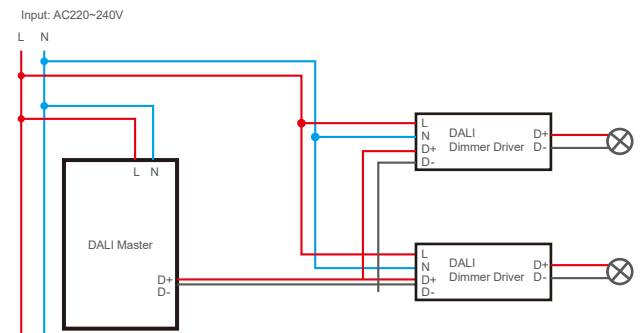
The black module is coated with graphene and can be used in enclosed luminaires.

#### Triac Dimmer



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

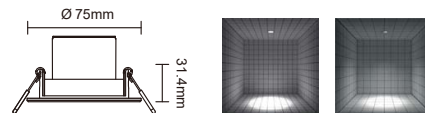
#### DALI



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



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Product	■ New HALELED Downlight ( Driver Outside)	
Wattage	■ 10W	10W
Voltage	■ AC200-240V	AC200-240V
Dimmable	■ DALI/ Triac	DALI/ Triac
CCT	■ 1800~2700K/ 2000~3000Kv	2700K/ 3000K
Lumens	■ 800lm	800lm
CRI	■ 95	95
Beam Angle	■ 24°/ 36°	24°/ 36°
Peak luminous intensity	■ 2000cd/ 1550cd	2450cd/ 1850cd
Life Span	■ 40000hrs	40000hrs

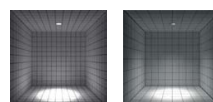
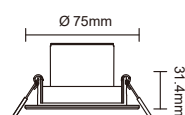
## New HALELED Downlight

### Driver Inside (supporting Triac/DALI)

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



CE RoHS ErP✓



Matt White



Matt Black

Product	■ New HALELED Downlight (Driver Inside)	
Wattage	■ 8W	8W
Voltage	■ AC200-240V	AC200-240V
Dimmable	■ Dim to Warm	Dimmable
CCT	■ 2700~1800K/ 3000~2000K	2700K/ 3000K
Lumens	■ 620lm	620lm
CRI	■ 95	95
Beam Angle	■ 24°/ 36°	24°/ 36°
Peak luminous intensity	■ 1950cd/ 1450cd	2000cd/ 1550cd
Life Span	■ 40000hrs	40000hrs

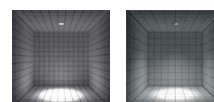
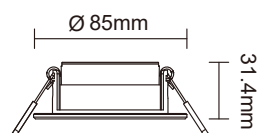
## New HALELED Downlight

### Driver Outside (supporting Triac/DALI/SUNWHITE technology)

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



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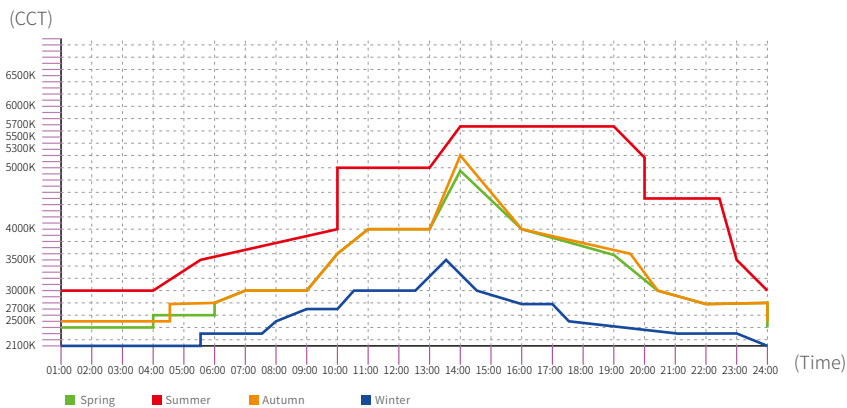
Product	Slim Downlight			
Wattage	■ 4.8W	6W	4.8W	6W
Voltage	■ AC200-240V	AC200-240V	AC200-240V	AC200-240V
Dimmable	■ Dim to Warm	Dim to Warm	Dimmable	Dimmable
CCT	■ 2700~2100K	2700~2100K	2700/3000K	2700/3000K
Lumens	■ 350lm	500lm	350lm	500lm
CRI	■ 95	95	95	95
Beam Angle	■ 24°/ 36°	24°/ 36°	24°/ 36°	24°/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

## New HALED Module

### Driver Outside (SUNWHITE technology)

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

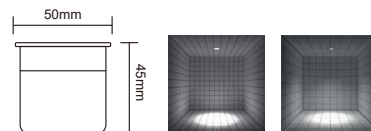
The CCT curve variation in Frankfurt



It can be adjusted according to customer needs.



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Product	■ Module( Driver Outside)
Wattage	■ 10W
Voltage	■ AC200-240V
Dimmable	■ SUNWHITE+ Dim to Warm
CCT	■ 1800~4000K/ 2000~5000K
Lumens	■ 800lm
CRI	■ 95
Beam Angle	■ 24°/ 36°
Peak luminous intensity	■ 2450cd/ 1850cd
Life Span	■ 40000hrs

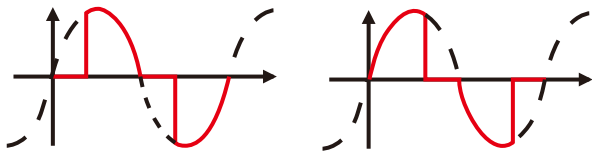


## New HALED Module

### Driver Outside (supporting Triac/DALI)

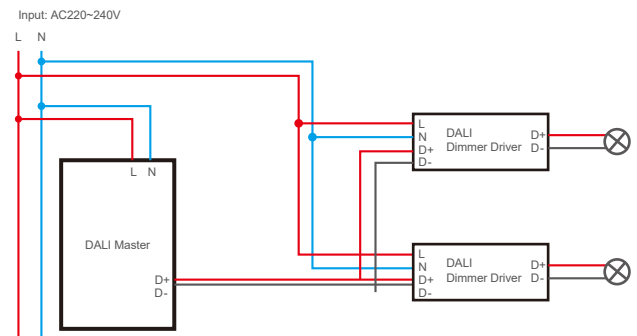
The black module is coated with graphene and can be used in enclosed luminaires.

#### Triac Dimmer



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

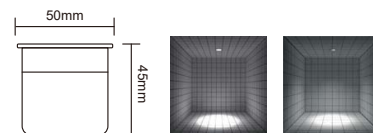
#### DALI



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



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Product	■ Module( Driver Outside)	
Wattage	■ 10W	10W
Voltage	■ AC200-240V	AC200-240V
Dimmable	■ DALI/ Triac	DALI/ Triac
CCT	■ 1800~2700K/ 2000~3000K	2700K/ 3000K
Lumens	■ 800lm	800lm
CRI	■ 95	95
Beam Angle	■ 24°/ 36°	24°/ 36°
Peak luminous intensity	■ 2000cd/ 1550cd	2450cd/ 1850cd
Life Span	■ 40000hrs	40000hrs

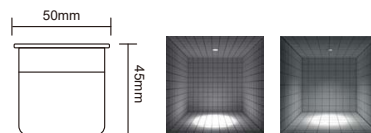
## New HALEd Module

### 8W built-in power supply (adjustable dimming and warming)

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



CE RoHS ErP✓



Matt White



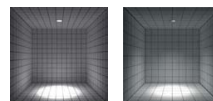
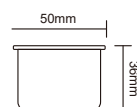
Matt Black

Product	■ Module( Driver Outside)	
Wattage	■ 8W	8W
Voltage	■ AC200-240V	AC200-240V
Dimmable	■ Dim to Warm	Dimmable
CCT	■ 1800~2700K/ 2000~3000K	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)



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Matt White



Matt Black

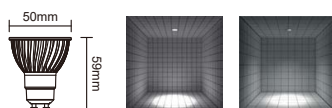
Product	Module			
Wattage	4.8W	6W	6W	6W
Voltage	AC200-240V	AC200-240V	AC200-240V	AC200-240V
Dimmable	Dim to Warm	Dim to Warm	Dimmable	Dimmable
CCT	2700~2100K	2700~2100K	2700/3000K	2700/3000K
Lumens	350lm	500lm	350lm	500lm
CRI	95	95	95	95
Beam Angle	24°/ 36°	24°/ 36°	24°/ 36°	24°/ 36°
Peak luminous intensity	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

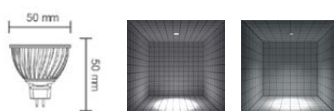


Product	■ GU10			
Wattage	■ 4.8W	6W	4.8W	6W
Voltage	■ AC200-240V	AC200-240V	AC200-240V	AC200-240V
Dimmable	■ Dim to Warm	Dim to Warm	Dimmable	Dimmable
CCT	■ 2700~2100K	2700~2100K	2700/3000K	2700/3000K
Lumens	■ 350lm	500lm	350lm	500lm
CRI	■ 95	95	95	95
Beam Angle	■ 24°/ 36°	24°/ 36°	24°/ 36°	24°/ 36°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

## NEW HALED MR16 (Driver Outside)



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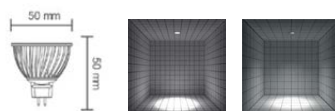
Product	■ MR16 (Driver Outside)
Wattage	■ 7W
Voltage	■ ADC12V
Dimmable	■ Dimmable/Non Dimmable
CCT	■ 2700/ 3000K
Lumens	■ 540lm
CRI	■ 95
Beam Angle	■ 24°/ 36°
Peak luminous intensity	■ 1750cd/ 1350cd
Life Span	■ 40000hrs



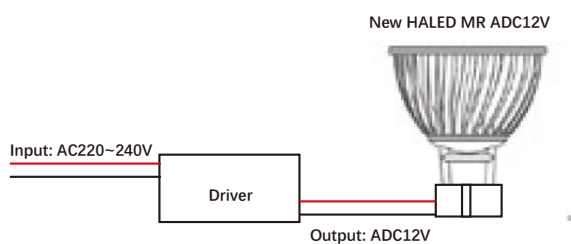
## NEW HALED MR16



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### Connection Instructions



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



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