

# earth-line ssl

EL5W-MR16--

*“the official lighting of planet earth”*



**75% less energy,  
less heat,  
3-yr warranty**



#### Product Features:

- ◇ Replacement of 25W halogen lamp to save more than 75% energy.
- ◇ Stepless dimming from 10% -100%. Works with magnetic dimming system's, no flicker.
- ◇ Less lumen loss and advanced optics.
- ◇ Stable and Efficient LED Driver.
- ◇ Dust-proof design: IP6X, designed for industrial environment.

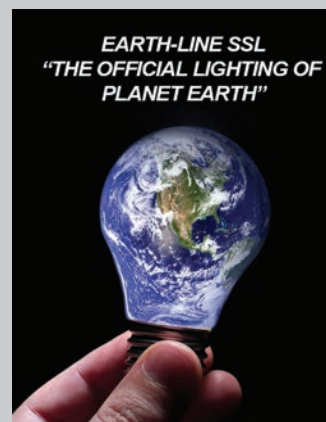
#### Application:

Offices, factories, shopping malls, schools, garages, airports, household lighting ect...

**NOTE: EL5W-MR16 lamps require magnetic dimmers and transformers for stepless dimming.**

#### Specifications:

Lamp Category: MR16  
Lamp Base: GU 5.3  
Lamp Design: modular  
LED chip: CREE XP-E®, PFC, X-Lamp®  
Mean Lumens: 191  
CRI: >80.3  
Power Factor: >0.99  
LED quantity/size: 3 X 1.66w  
Consumption: 5 watts  
Voltage: 12V  
Life Time: >50,000 hours  
Housing Material: Aluminum  
Beam Angle: 15°, 30°, & 45°  
Operating Temp: -20°C to +40°C  
Warranty: 3 Years  
Dimmable: Yes with magnetic dimmers and transformers  
Certificates: cUL, RoHS & CE  
Power Smart: e.Catalog listed  
Nomenclature: indicate colour and beam angle required.  
ex: EL5W-MR16-WW/CW-15/30/45-DIM  
Case quantity: 10 pieces



*Specifications are subject to change due to constant product improvement.*

# earth-line ssl

KL4LED - MR16 - -

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*65% less energy,  
less heat,  
3-yr warranty*



ROHS COMPLIANT CE

#### Application:

Offices, factories, shopping malls, schools, garages, airports, household lighting ect...

#### Product Features:

- ◇ Replacement of 10W halogen lamp to save more than 65% energy.
- ◇ Excellent optics structure: Less lumen loss and better illuminating effect.
- ◇ Stable and Efficient LED Driver (Efficiency > 85%) with PFC solution ( PF=>0.92)
- ◇ Dust-proof design: IP6X, designed for industrial environment.

#### Specifications:

- Lamp category:** MR16
- Lamp base:** GU 5.3 Bi-Pin push
- LED chip:** CREE X-Lamp, XR-E
- Luminous Flux:** 200 Lm
- LED quantity/size:** 3 X 1.25 watt
- Consumption:** 5 watts
- Voltage:** 12V
- Life:** L70 lifetime of 50,000 hours
- Testing:** tested to the highest standards in the LED industry
- Strike time:** full brightness in nanoseconds
- Ambient temp:** 40 degrees C or lower
- Environmental:** contains no mercury, lead or other heavy metals
- Certificates:** CE, RoHS
- Warranty:** 3 years
- Colors:** WW (3500K) and CW (6000K)
- Beam Angles:** 25 & 40 degrees
- Non Dimmable lamp only**
- Nomenclature:** indicate color and beam req'd  
ex: KL4LED-MR16-CW/WW-25/40
- Case quantity:** 10 pieces

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# earth-line ssl

KL3X1 - XPE - MR16 - -

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3-yr warranty**



**ROHS** CE  
COMPLIANT

#### Application:

Offices, factories, shopping malls, schools, garages, airports, household lighting ect...

#### Product Features:

- ◇ Replacement of 10W halogen lamp to save more than 65% energy.
- ◇ Excellent optics structure: Less lumen loss and better illuminating effect.
- ◇ Stable and Efficient LED Driver (Efficiency > 85%) with PFC solution ( PF=>0.92)
- ◇ Dust-proof design: IP6X, designed for industrial environment.

#### Specifications:

**Lamp category:** MR16

**Lamp base:** GU 5.3 Bi-Pin push

**LED chip:** CREE X-Lamp, XR-E

**Luminous Flux:** 135 Lm (approx)

**LED quantity/size:** 3 X 1 watt

**Consumption:** 3 watts

**Voltage:** 12V

**Life:** L70 lifetime of 50,000 hours

**Testing:** tested to the highest standards in the LED industry

**Strike time:** full brightness in nanoseconds

**Ambient temp:** 40 degrees C or lower

**Environmental:** contains no mercury, lead or other heavy metals

**Certificates:** CE, RoHS

**Warranty:** 3 years

**Colors:** ww (3500K, nw (4500K) & cw (6000K)

**Beam Angles:** 25 & 40 degree

**Nomenclature:** indicate color and beam req'd

ex: KL3X1-XPE-MR16-WW/NW/CW-25/40

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KL3X1 - MR16 --

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## Specifications:



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**ROHS CE**  
COMPLIANT

### Application:

Offices, factories, shopping malls, schools, garages, airports, household lighting ect...

### Product Features:

- ◇ Replacement of 10W halogen lamp to save more than 65% energy.
- ◇ Excellent optics structure: Less lumen loss and better illuminating effect.
- ◇ Stable and Efficient LED Driver (Efficiency > 85%) with PFC solution ( PF=>0.92)
- ◇ Dust-proof design: IP6X, designed for industrial environment.

**Lamp category:** MR16

**Lamp base:** GU 5.3 Bi-Pin push

**LED chip:** CREE X-Lamp, XR-E

**Luminous Flux:** 135 Lm (approx)

**LED quantity/size:** 3 X 1 watt

**Consumption:** 3 watts

**Voltage:** 12V

**Life:** L70 lifetime of 50,000 hours

**Testing:** tested to the highest standards in the LED industry

**Strike time:** full brightness in nanoseconds

**Ambient temp:** 40 degrees C or lower

**Environmental:** contains no mercury, lead or other heavy metals

**Certificates:** CE, RoHS

**Warranty:** 3 years

**Colors:** ww (3500K, nw (4500K) & cw (6000K)

**Beam Angles:** 30 & 45 degree

**Nomenclature:** indicate color and beam req'd

ex: KL3X1-MR16-WW/NW/CW-30/45

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KL3W-MR16--

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**RoHS** CE  
COMPLIANT

## Application:

Offices, factories, shopping malls, schools, garages, airports, household lighting ect...

## Product Features:

- ◇ Replacement of 10W halogen lamp to save more than 65% energy.
- ◇ Excellent optics structure: Less lumen loss and better illuminating effect.
- ◇ Stable and Efficient LED Driver (Efficiency > 85%) with PFC solution ( PF=>0.92)
- ◇ Dust-proof design: IP6X, designed for industrial environment.

## Specifications:

**Lamp category:** MR16

**Lamp base:** GU5.3 Bi-Pin Push

**LED chip:** CREE X-Lamp, XP-E

**Luminous Flux:** 100 Lm

**LED quantity/size:** 1 X 3 watt

**Consumption:** 3 watts

**Voltage:** 12V

**Life:** L70 lifetime of 50,000 hours

**Testing:** tested to the highest standards in the LED industry

**Strike time:** full brightness in nanoseconds

**Ambient temp:** 40 degrees C or lower

**Environmental:** contains no mercury, lead or other heavy metals

**Certificates:** CE, RoHS

**Warranty:** 3 years

**Colors:** WW (3500K) NW (4100K) and CW (6000K)

**Beam Angles:** 30 & 45 degrees

**Non Dimmable** only

**Nomenclature:** indicate color and beam req'd

ex: KL3W-MR16-WW/NW/CW-30/45

**Case quantity:** 20 pieces

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KL3X2 - MR16 --

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**ROHS** **CE**  
COMPLIANT

#### Application:

Offices, factories, shopping malls, schools, garages, airports, household lighting ect...

#### Product Features:

- ◇ Replacement of 25W halogen lamp to save more than 65% energy.
- ◇ Excellent optics structure: Less lumen loss and better illuminating effect.
- ◇ Stable and Efficient LED Driver (Efficiency > 85%) with PFC solution ( PF=>0.92)
- ◇ Dust-proof design: IP6X, designed for industrial environment.

#### Specifications:

**Lamp category:** MR16

**Lamp base:** GU 5.3 Bi-Pin push

**LED chip:** CREE X-Lamp, XR-E

**Luminous Flux:** 240 Lm (approx)

**LED quantity/size:** 3 X 2 watt

**Consumption:** 6 watts

**Voltage:** 12V

**Life:** L70 lifetime of 50,000 hours

**Testing:** tested to the highest standards in the LED industry

**Strike time:** full brightness in nanoseconds

**Ambient temp:** 40 degrees C or lower

**Environmental:** contains no mercury, lead or other heavy metals

**Certificates:** CE, RoHS

**Warranty:** 3 years

**Colors:** ww (3500K, nw (4500K) & cw (6000K)

**Beam Angles:** 90 degree

**Nomenclature:** indicate color and beam req'd

ex: KL3X2-MR16-WW/NW/CW-90

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KL3X2 - XPE - MR16 --

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**ROHS** CE  
COMPLIANT

#### Application:

Offices, factories, shopping malls, schools, garages, airports, household lighting ect...

#### Product Features:

- ◇ Replacement of 25W halogen lamp to save more than 65% energy.
- ◇ Excellent optics structure: Less lumen loss and better illuminating effect.
- ◇ Stable and Efficient LED Driver (Efficiency > 85%) with PFC solution ( PF=>0.92)
- ◇ Dust-proof design: IP6X, designed for industrial environment.

#### Specifications:

**Lamp category:** MR16

**Lamp base:** GU 5.3 Bi-Pin push

**LED chip:** CREE X-Lamp, XR-E

**Luminous Flux:** 270 Lm (approx)

**LED quantity/size:** 3 X 2.33 watt

**Consumption:** 7 watts

**Voltage:** 12V

**Life:** L70 lifetime of 50,000 hours

**Testing:** tested to the highest standards in the LED industry

**Strike time:** full brightness in nanoseconds

**Ambient temp:** 40 degrees C or lower

**Environmental:** contains no mercury, lead or other heavy metals

**Certificates:** CE, RoHS

**Warranty:** 3 years

**Colors:** ww (3500K, & cw (6000K)

**Beam Angles:** 25 & 40 degree

**Nomenclature:** indicate color and beam req'd

ex: KL3X2-XPE-MR16-WW/CW-24/40

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KL4X2 - MR16 --

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## Specifications:



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3-yr warranty**



**ROHS** CE  
COMPLIANT

### Application:

Offices, factories, shopping malls, schools, garages, airports, household lighting ect...

### Product Features:

- ◇ Replacement of 25W halogen lamp to save more than 65% energy.
- ◇ Excellent optics structure: Less lumen loss and better illuminating effect.
- ◇ Stable and Efficient LED Driver (Efficiency > 85%) with PFC solution ( PF=>0.92)
- ◇ Dust-proof design: IP6X, designed for industrial environment.

**Lamp category:** MR16

**Lamp base:** GU 5.3 Bi-Pin push

**LED chip:** CREE X-Lamp, XR-E

**Luminous Flux:** 290 Lm (approx)

**LED quantity/size:** 4 X 2 watt

**Consumption:** 8 watts

**Voltage:** 12V

**Life:** L70 lifetime of 50,000 hours

**Testing:** tested to the highest standards in the LED industry

**Strike time:** full brightness in nanoseconds

**Ambient temp:** 40 degrees C or lower

**Environmental:** contains no mercury, lead or other heavy metals

**Certificates:** CE, RoHS

**Warranty:** 3 years

**Colors:** ww (3500K, nw (4500K) & cw (6000K)

**Beam Angles:** 90 degree

**Nomenclature:** indicate color and beam req'd

ex: KL4X2-MR16-WW/NW/CW-90

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**RoHS** **CE**  
COMPLIANT

#### Application:

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#### Product Features:

- ◇ Replacement of 25W halogen lamp to save more than 65% energy.
- ◇ Excellent optics structure: Less lumen loss and better illuminating effect.
- ◇ Stable and Efficient LED Driver (Efficiency > 85%) with PFC solution ( PF=>0.92)
- ◇ Dust-proof design: IP6X, designed for industrial environment.

#### Specifications:

**Lamp category:** MR16

**Lamp base:** GU 5.3 Bi-Pin push

**LED chip:** CREE X-Lamp, XR-E

**Luminous Flux:** 310 Lm (approx)

**LED quantity/size:** 4 X 2.25 watt

**Consumption:** 9 watts

**Voltage:** 12V

**Life:** L70 lifetime of 50,000 hours

**Testing:** tested to the highest standards in the LED industry

**Strike time:** full brightness in nanoseconds

**Ambient temp:** 40 degrees C or lower

**Environmental:** contains no mercury, lead or other heavy metals

**Certificates:** CE, RoHS

**Warranty:** 3 years

**Colors:** ww (3500K, & cw (6000K)

**Beam Angles:** 25 & 40 degree

**Nomenclature:** indicate color and beam req'd

ex: KL4X2-XPE-MR16-WW/CW-24/40

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