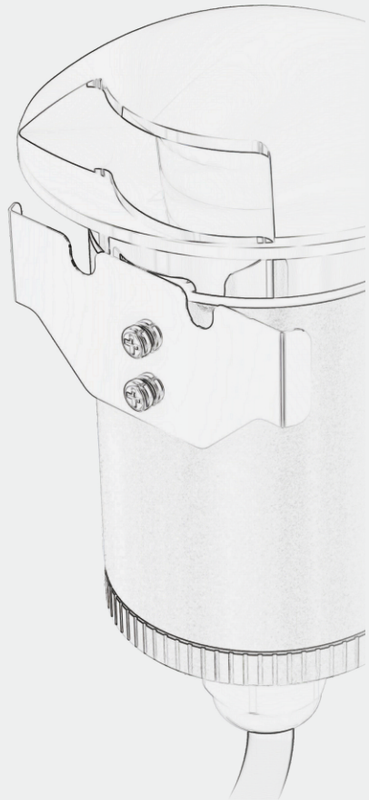


OUTDOOR
LIGHTING

- **IP**68 design with integral thermal management
- High precision mechanism
- Optimally thermal management

IP68 Outdoor Lighting

Patented Design
High Precision Mechanism
Optimally Thermal Management
In-ground, Underwater or Outdoor Application

IP68 TECHNOLOGY

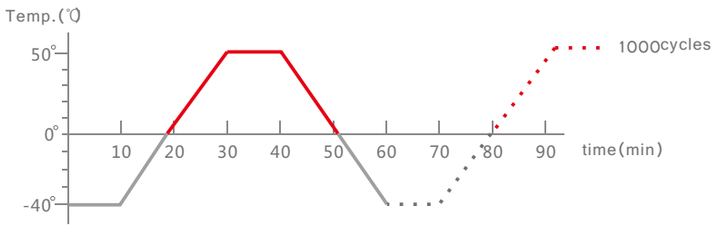
Reliability is the Most Important Factor

Long Term Reliability
——Qualified by most rigorous test

1. Power & Temperature Cycle/

Condition

Power: 5min on(Led operates at 500mA) , 5min off ,
Temperature: Ta = -40℃...50℃
Test time: 1000 cycles (procedure as below graph)



2. Power On& Temperature & Humidity Test /

Condition

Power: On (Led operates at 500mA) ;
Temperature: Ta = 55℃, 85% R.H. ; Test time: 80hrs

3. Temperature & Humidity Storage /

Condition

Power: Off.
Temperature: Ta = 85℃, 85% R.H.
Test time: 1000hrs

4. IP Grade-Water Immersion test /IP

Condition

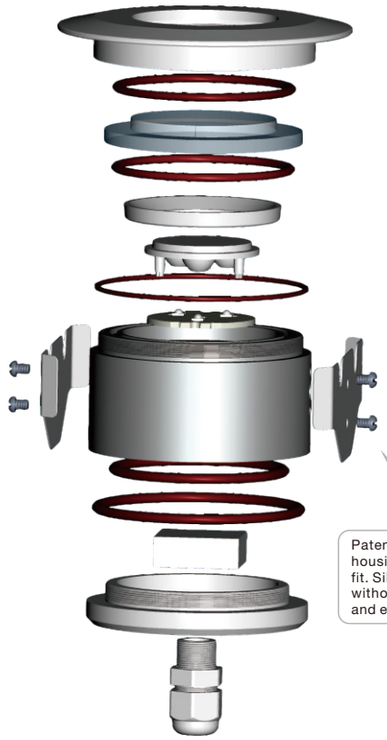
Power the luminaire (led works at 500mA)
for 2 hours,then power off
Immerse the lumiaire into 1.4m deep water for 0.5 hours

5. Compression Test

Condition

compress the luminaire with force increasing at a rate of 5,000N per minute, and remain 1 minute at 20,000N then load is released

- Patented IP68 optics design pumps out heat from LED to maintain thermal characteristics for optimal long life performance
- IP68 Stability is attained through high precision machining of housing for perfect threaded mechanical fit. IP68 protection without use of glue or sealants that are subject to change in extreme environments ensures long life and easy maintenance.
- Robust fixture construction is able to bear 1,000 KGS compression, compliant with IK10



DORI/DORI Micro
Recessed Ground Light

IP68 [5m] | 800 Kg | Input 12-24VDC | Top cover Stainless Steel 316 | CE

18° 35° 60°

Quickinfo

GENERAL

underground
IP 68

LED

CREE LED module
2700K, 3000K, 4000K
CRI > 80, CRI>90
Bining < 3-Step MacAdam

ESTIMATED LED LIFETIME

L80 / 50,000h

OPTICAL

direct illumination
beam angle 18, 35°, 60°

PHYSICAL

top cover: stainless steel 316
body: anodized aluminium

Function

A perfect marker light for in-ground,underwater or outdoor application.
IP68 design with integral thermal management for long life.
High precision machining ensures perfect mechanical fit for long life.
8 mm Tempered glass lens support 800 kg “driver over” performance,
High reliability, maintenance free.

Very low surface temperature lens can be touched without injury
Suitable for indoor applications in bathroom, kitchens, bars when lens may be touched without injury.

Features

Body: Anodized Aluminium
Glass: tempered glass

Order options

COLOUR TEMPERATURE

2700K
3000K
4000K

COLOUR RENDERING INDEX

CRI 80
CRI 90

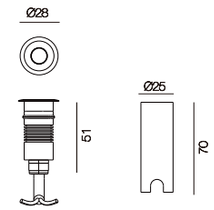
LENS

18°Beam 35°Beam 60°Beam

LIGHTING DISTRIBUTION TYPE

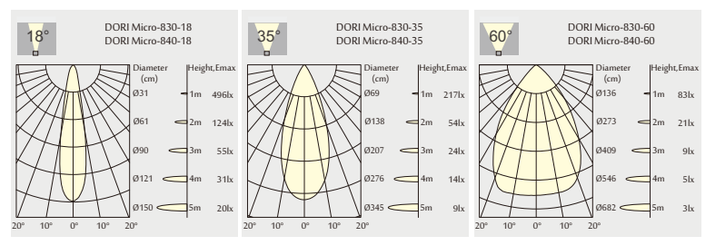
DORI Micro

3000K
(Standard)



Light distribution for 3000K

1.5W 80 lm-85 lm



Order Information

DORI Micro 80-85 Lm MODELS (With CREE LED, DC-DC Driver)

Code	Lumen output	Input Voltage	LED Power	System Power	CRI	CCT	BEAM
DORI Micro-830-18	80 lm	12-24 V	1W	1.5W	83	3000K	18°
DORI Micro-840-18	85 lm	12-24 V	1W	1.5W	83	4000K	18°
DORI Micro-830-35	80 lm	12-24 V	1W	1.5W	83	3000K	35°
DORI Micro-840-35	85 lm	12-24 V	1W	1.5W	83	4000K	35°
DORI Micro-830-60	80 lm	12-24 V	1W	1.5W	83	3000K	60°
DORI Micro-840-60	85 lm	12-24 V	1W	1.5W	83	4000K	60°

DORI/DORI Nano
Recessed Ground Light

IP68 [5m] | 800 Kg | Input 12-24VDC | Top cover Stainless Steel 316 | CE

18° 35° 60°

Quickinfo

GENERAL

underground
IP 68

LED

CREE LED module
2700K, 3000K, 4000K
CRI > 80, CRI>90
Bining < 3-Step MacAdam

ESTIMATED LED LIFETIME

L80 / 50,000h

OPTICAL

direct illumination
beam angle 18, 35°, 60°

PHYSICAL

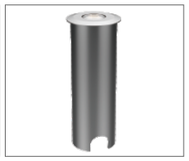
top cover: stainless steel 316
body: anodized aluminium

Function

A perfect marker light for in-ground,underwater or outdoor application.
IP68 design with integral thermal management for long life.
High precision machining ensures perfect mechanical fit for long life.
8 mm Tempered glass lens support 800 kg “driver over” performance,
High reliability, maintenance free.

Very low surface temperature lens can be touched without injury
Suitable for indoor applications in bathroom, kitchens, bars when lens may be touched without injury.

Features



Body: Anodized Aluminium
Glass: tempered glass

Order options

COLOUR TEMPERATURE

2700K
3000K
4000K

COLOUR RENDERING INDEX

CRI 80
CRI 90

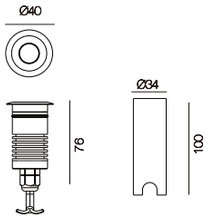
LENS

30°Beam 45°Beam

LIGHTING DISTRIBUTION TYPE

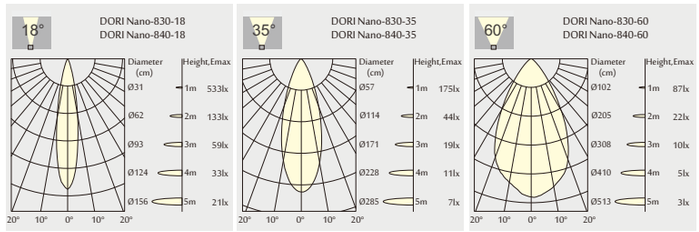
DORI Nano

3000K
(Standard)



Light distribution for 3000K

1.5W 80 lm-85 lm



Order Information

DORI Nano 80-85 Lm MODELS (With CREE LED, DC-DC Driver)

Code	Lumen output	Input Voltage	LED Power	System Power	CRI	CCT	BEAM
DORI Nano-830-18	80 lm	12-24 V	1W	1.5W	83	3000K	18°
DORI Nano-840-18	85 lm	12-24 V	1W	1.5W	83	4000K	18°
DORI Nano-830-35	80 lm	12-24 V	1W	1.5W	83	3000K	35°
DORI Nano-840-35	85 lm	12-24 V	1W	1.5W	83	4000K	35°
DORI Nano-830-60	80 lm	12-24 V	1W	1.5W	83	3000K	60°
DORI Nano-840-60	85 lm	12-24 V	1W	1.5W	83	4000K	60°

DORI/DORI Mini
Recessed Ground Light

IP68 [5m] | 800 Kg | Input 12-24VDC | Top cover Stainless Steel 316 | CE

30° 45°

Quickinfo

GENERAL

underground
IP 68

LED

CITIZEN LED module
2700K, 3000K, 4000K
CRI > 80, CRI>90
Bining < 3-Step MacAdam

ESTIMATED LED LIFETIME

L80 / 50,000h

OPTICAL

direct illumination
beam angle 30°, 45°

PHYSICAL

top cover: stainless steel 316
body: anodized aluminium

Function

A perfect marker light for in-ground,underwater or outdoor application.
IP68 design with integral thermal management for long life.
High precision machining ensures perfect mechanical fit for long life.
8 mm Tempered glass lens support 800 kg “driver over” performance,
High reliability, maintenance free.

Light emission: one emission,two opposite emissions.
Very low surface temperature lens can be touched without injury
Suitable for indoor applications in bathroom, kitchens, bars when lens may be touched without injury.

Features

Body: Anodized Aluminium
Glass: tempered glass

Order options

COLOUR TEMPERATURE

2700K
3000K
4000K

COLOUR RENDERING INDEX

CRI 80
CRI 90

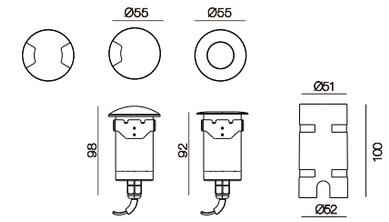
LENS

30°Beam 45°Beam

LIGHTING DISTRIBUTION TYPE

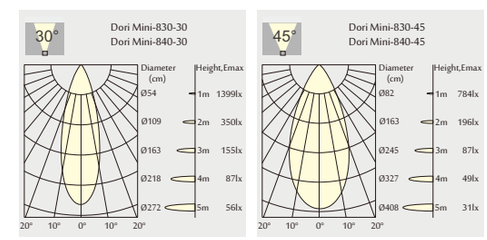
DORI Mini

3000K
(Standard)



Light distribution for 3000K

5.5W 500 lm-550 lm



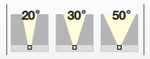
Order Information

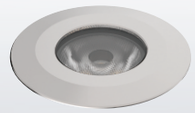
Dori Mini 500-550Lm MODELS (With CITIZEN LED,DC-DC Driver)

Code	Module output	Input Voltage	LED Power	System Power	CRI	CCT	BEAM
Dori Mini-830-30	500 lm	24 V	5W	5. 5 W	83	3000K	30°
Dori Mini-840-30	550 lm	24 V	5W	5. 5 W	83	4000K	30°
Dori Mini-830-45	500 lm	24 V	5W	5. 5 W	83	3000K	45°
Dori Mini-840-45	550 lm	24 V	5W	5. 5 W	83	4000K	45°

DORI/DORI Maxi
Recessed Ground Light

IP68 [5m] | 800 Kg | Input 12-24VDC | Top cover Stainless Steel 316 | CE





Quickinfo

GENERAL

underground
IP 68

LED

CITIZEN LED module
2700K, 3000K, 4000K
CRI > 80, CRI>90
Bining < 3-Step MacAdam

ESTIMATED LED LIFETIME

L80 / 50,000h

OPTICAL

direct illumination
beam angle 20°, 30°, 50°

PHYSICAL

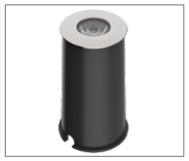
top cover: stainless steel 316
body: anodized aluminium

Function

A perfect marker light for in-ground,underwater or outdoor application.
IP68 design with integral thermal management for long life.
High precision machining ensures perfect mechanical fit for long life.
8 mm Tempered glass lens support 800 kg “driver over” performance,
High reliability, maintenance free.

Very low surface temperature lens can be touched without injury
Suitable for indoor applications in bathroom, kitchens, bars when lens may be touched without injury.

Features



Body: Anodized Aluminium
Glass: tempered glass

Order options

COLOUR TEMPERATURE

2700K
3000K
4000K

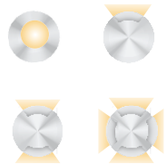
COLOUR RENDERING INDEX

CRI 80
CRI 90

LENS

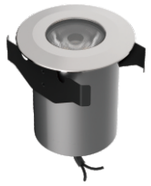
20°Beam 30°Beam 50°Beam

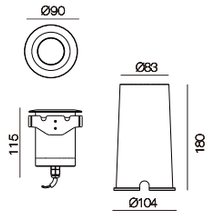
LIGHTING DISTRIBUTION TYPE



DORI Maxi

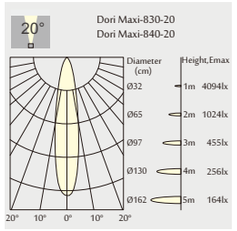
3000K
(Standard)

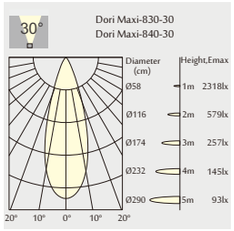


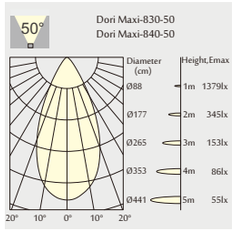


Light distribution for 3000K

10W 850 lm-900 lm







Order Information

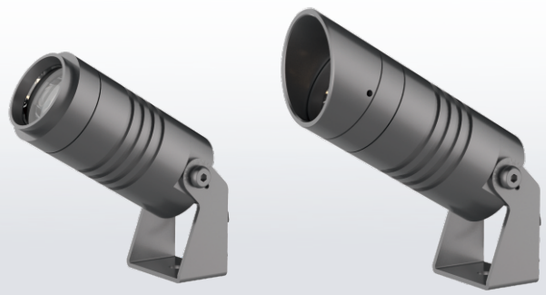
Dori Maxi 850-900Lm MODELS (With CITIZEN LED,DC-DC Driver)

Code	Module output	Input Voltage	LED Power	System Power	CRI	CCT	BEAM
Dori Maxi-830-20	850 lm	24 V	9W	10 W	83	3000K	20°
Dori Maxi-840-20	900 lm	24 V	9W	10 W	83	4000K	20°
Dori Maxi-830-30	850 lm	24 V	9W	10 W	83	3000K	30°
Dori Maxi-840-30	900 lm	24 V	9W	10 W	83	4000K	30°
Dori Maxi-830-50	850 lm	24 V	9W	10 W	83	3000K	50°
Dori Maxi-840-50	900 lm	24 V	9W	10 W	83	4000K	50°

SOLAR/SOLAR Mini
Projector Light

IP68 [5m] | 800 Kg | Input 12-24VDC | Top cover Stainless Steel 316 | CE

30° 45°



Quickinfo

GENERAL

underground
IP 68

LED

CITIZEN LED module
2700K, 3000K, 4000K
CRI > 80, CRI>90
Bining < 3-Step MacAdam

ESTIMATED LED LIFETIME

L80 / 50,000h

OPTICAL

direct illumination
beam angle 30°, 45°

PHYSICAL

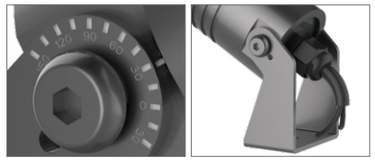
top cover: stainless steel 316
body: anodized aluminium

Function

A perfect marker light for in-ground,underwater or outdoor application.
IP68 design with integral thermal management for long life.
High precision machining ensures perfect mechanical fit for long life.
8 mm Tempered glass lens support 800 kg “driver over” performance,
High reliability, maintenance free.

Metal Iron grey with triple layer coating
for high resistance to corrosion: chemical conversion coating on the aluminium surface followed by a first layer of anodising,a second layer of epoxy
power and a third finishing layer of polyester powder.
Corrosion tests in artificial atmospheres
salt spray test passed at 1000hrs

Features



Body: Anodized Aluminium
Glass: tempered glass

Order options

COLOUR TEMPERATURE

2700K
3000K
4000K

COLOUR RENDERING INDEX

CRI 80
CRI 90

LENS

30°Beam 45°Beam

INSTALLATION STAKE

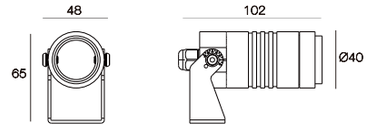
(Optional)

ANTIGLARE RING

(Optional)

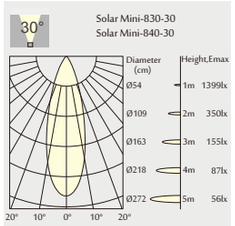
SOLAR Mini

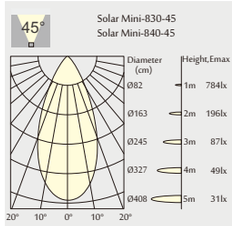
3000K
(Standard)



Light distribution for 3000K

5.5W 500 lm-550 lm





Order Information

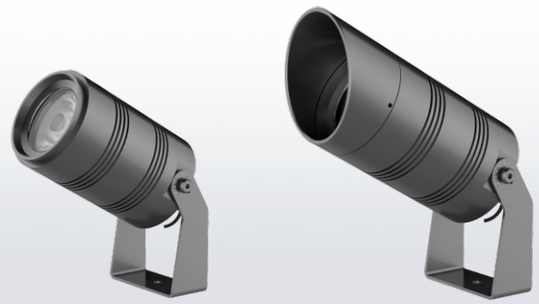
Solar Mini 500-550Lm MODELS (With CITIZEN LED,DC-DC Driver)

Code	Module output	Input Voltage	LED Power	System Power	CRI	CCT	BEAM
Solar Mini-830-30	500 lm	24 V	5W	5. 5 W	83	3000K	30°
Solar Mini-840-30	550 lm	24 V	5W	5. 5 W	83	4000K	30°
Solar Mini-830-45	500 lm	24 V	5W	5. 5 W	83	3000K	45°
Solar Mini-840-45	550 lm	24 V	5W	5. 5 W	83	4000K	45°

SOLAR/SOLAR Maxi
Projector Light

IP68 [5m] | 800 Kg | Input 12-24VDC | Top cover Stainless Steel 316 | CE

20° 30° 50°



Quickinfo

GENERAL

underground
IP 68

LED

CITIZEN LED module
2700K, 3000K, 4000K
CRI > 80, CRI>90
Bining < 3-Step MacAdam

ESTIMATED LED LIFETIME

L80 / 50,000h

OPTICAL

direct illumination
beam angle 20°, 30°, 50°

PHYSICAL

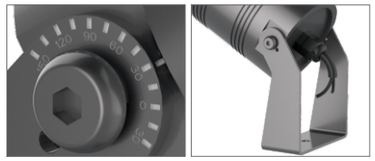
top cover: stainless steel 316
body: anodized aluminium

Function

A perfect marker light for in-ground,underwater or outdoor application.
IP68 design with integral thermal management for long life.
High precision machining ensures perfect mechanical fit for long life.
8 mm Tempered glass lens support 800 kg “driver over” performance,
High reliability, maintenance free.

Metal Iron grey with triple layer coating
for high resistance to corrosion: chemical conversion coating on the aluminium surface followed by a first layer of anodising,a second layer of epoxy
power and a third finishing layer of polyester powder.
Corrosion tests in artificial atmospheres
salt spray test passed at 1000hrs

Features



Body: Anodized Aluminium
Glass: tempered glass

Order options

COLOUR TEMPERATURE

2700K
3000K
4000K

COLOUR RENDERING INDEX

CRI 80
CRI 90

LENS

20°Beam 30°Beam 50°Beam

INSTALLATION STAKE

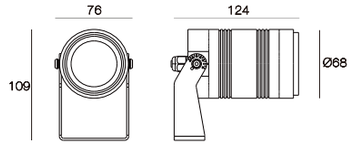
(Optional)

ANTIGLARE RING

(Optional)

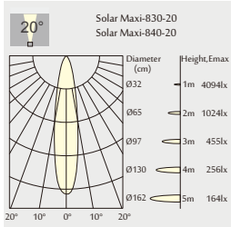
SOLAR Maxi

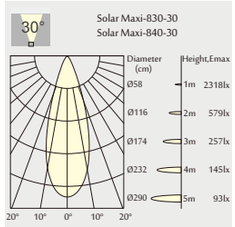
3000K
(Standard)

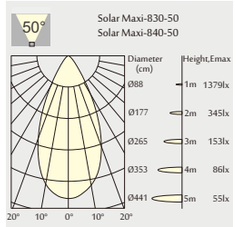


Light distribution for 3000K

10W 850 lm-900 lm







Order Information

Solar Maxi 850-900Lm MODELS (With CITIZEN LED,DC-DC Driver)

Code	Module output	Input Voltage	LED Power	System Power	CRI	CCT	BEAM
Solar Maxi-830-20	850 lm	24 V	9W	10 W	83	3000K	20°
Solar Maxi-840-20	900 lm	24 V	9W	10 W	83	4000K	20°
Solar Maxi-830-30	850 lm	24 V	9W	10 W	83	3000K	30°
Solar Maxi-840-30	900 lm	24 V	9W	10 W	83	4000K	30°
Solar Maxi-830-50	850 lm	24 V	9W	10 W	83	3000K	50°
Solar Maxi-840-50	900 lm	24 V	9W	10 W	83	4000K	50°

EPO / EPO Nano
Recessed Ground Light

IP68 [5m] | 800 Kg | Input 12-24VDC | Top cover Stainless Steel 316 | CE

15° 25° 40°

Quickinfo

GENERAL

underground
IP 68

LED

CREE LED module
2700K, 3000K, 4000K
CRI > 80, CRI>90
Bining < 3-Step MacAdam

ESTIMATED LED LIFETIME

L80 / 50,000h

OPTICAL

direct illumination
beam angle 15°, 25°, 40°

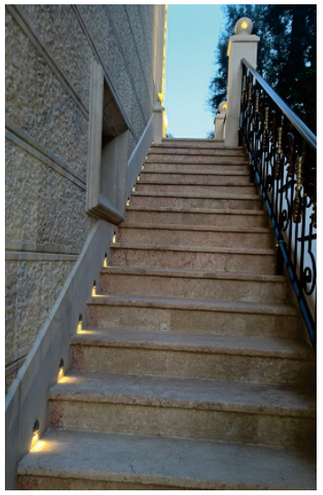
PHYSICAL

top cover: stainless steel 316
body: anodized aluminium

Function

A perfect marker light for in-ground,underwater or outdoor application.
IP68 design with integral thermal management for long life.
High precision machining ensures perfect mechanical fit for long life.
8 mm Tempered glass lens support 800 kg “driver over” performance,
High reliability, maintenance free.

Light emission: one emission,two opposite emissions.
Very low surface temperature lens can be touched without injury
Suitable for indoor applications in bathroom, kitchens, bars when lens may be touched without injury.



Order options

COLOUR TEMPERATURE

2700K
3000K
4000K

COLOUR RENDERING INDEX

CRI 80
CRI 90

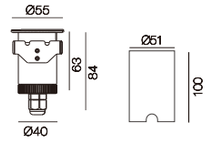
LENS

15°Beam 25°Beam 40°Beam

LIGHTING DISTRIBUTION TYPE

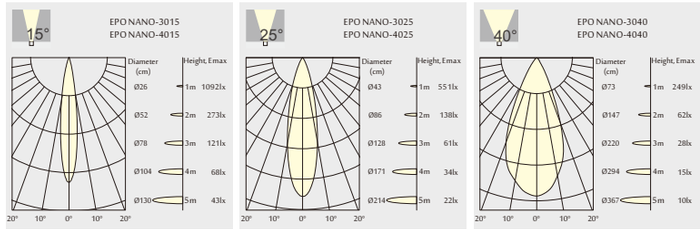
EPO NANO

3000K
(Standard)



Light distribution for 3000K

EPO NANO 1.6W 120lm-140lm



Order Information

EPO NANO 1 LED MODELS (With CREE LED, DC-DC driver)

Code	Lumen output	Input Voltage	LED Power	System Power	CRI	CCT	BEAM
EPO NANO-3015	120 lm	12-24 V	1.6 W	2 W	83	3000K	15°
EPO NANO-4015	140 lm	12-24 V	1.6 W	2 W	83	4000K	15°
EPO NANO-3025	120 lm	12-24 V	1.6 W	2 W	83	3000K	25°
EPO NANO-4025	140 lm	12-24 V	1.6 W	2 W	83	4000K	25°
EPO NANO-3040	120 lm	12-24 V	1.6 W	2 W	83	3000K	40°
EPO NANO-4040	140 lm	12-24 V	1.6 W	2 W	83	4000K	40°

EPO NANO V1 1.6W 10lm-11lm

Order Information

EPO NANO V1 1 LED MODELS (With CREE LED, DC-DC driver)

Code	Lumen output	Input Voltage	LED Power	System Power	CRI	CCT
EPO NANO V1-30	10 lm	12-24 V	1.6 W	2 W	83	3000K
EPO NANO V1-40	11 lm	12-24 V	1.6 W	2 W	83	4000K

EPO NANO V2 1.6W 15-17lm

Order Information

EPO NANO V2 1 LED MODELS (With CREE LED, DC-DC driver)

Code	Lumen output	Input Voltage	LED Power	System Power	CRI	CCT
EPO NANO V2-30	15 lm	12-24 V	1.6 W	2 W	83	3000K
EPO NANO V2-40	17 lm	12-24 V	1.6 W	2 W	83	4000K

EPO / EPO Mini
Recessed Ground Light

IP68 [5m] | 800 Kg | Input 12-24VDC | Top cover Stainless Steel 316 | CE

15° 40° 60°

Quickinfo

GENERAL

underground
IP 68

LED

CREE LED module
2700K, 3000K, 4000K
CRI > 80, CRI>90
Bining < 3-Step MacAdam

ESTIMATED LED LIFETIME

L80 / 50,000h

OPTICAL

direct illumination
beam angle 15°, 40°, 60°

PHYSICAL

top cover: stainless steel 316
body: anodized aluminium

Function

Creating striking wall effect with focus beam
IP68 design with integral thermal management for long life.
High precision machining ensures perfect mechanical fit for long life.
Stainless steel (316) front face ensures corrosion free outdoor performance in salty, damp environment.

8 mm Tempered glass lens support 800 kg "driver over" performance,High reliability, maintenance free
Very low surface temperature lens can be touched without injury.
Suitable for indoor applications in bathroom, kitchens,bars when lens may be touched without injury

Order options

COLOUR TEMPERATURE

2700K
3000K
4000K

COLOUR RENDERING INDEX

CRI 80
CRI 90

LENS

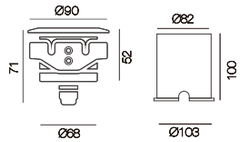
15°Beam 40°Beam 60°Beam

GLASS STYLE

Clear glass *(Standard)*
Frosted glass *(Optional)*

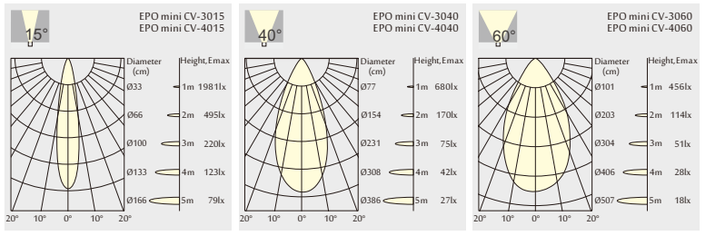
EPO MINI

3000K
(Standard)



Light distribution for 3000K

EPO MINI 4.3 W 380lm-420lm



Order Information

EPO mini 3 LED MODELS (With CREE LED, DC-DC driver)

Code	Lumen output	Input Voltage	LED Power	System Power	CRI	CCT	BEAM
EPO mini CV-3015	380 lm	12-24 V	4.3 W	4.8 W	83	3000K	15°
EPO mini CV-4015	420 lm	12-24 V	4.3 W	4.8 W	83	4000K	15°
EPO mini CV-3040	380 lm	12-24 V	4.3 W	4.8 W	83	3000K	40°
EPO mini CV-4040	420 lm	12-24 V	4.3 W	4.8 W	83	4000K	40°
EPO mini CV-3060	380 lm	12-24 V	4.3 W	4.8 W	83	3000K	60°
EPO mini CV-4060	420 lm	12-24 V	4.3 W	4.8 W	83	4000K	60°

EPO / EPO Mini S316

Stainless Steel 316 Version for Underwater Lighting

IP68 [5m] | 800 Kg | Input 12-24VDC | Whole fixture Stainless Steel 316 | CE

15° 40° 60°

Quickinfo

GENERAL

underground
IP 68

LED

CREE LED module
2700K, 3000K, 4000K
CRI > 80, CRI>90
Bining < 3-Step MacAdam

ESTIMATED LED LIFETIME

L80 / 50,000h

OPTICAL

direct illumination
beam angle 15°, 40°, 60°

PHYSICAL

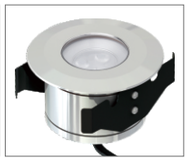
top cover: stainless steel 316
body: stainless steel 316

Function

Creating striking wall effect with focus beam.
IP68 design with integral thermal management for long life.
High precision machining ensures perfect mechanical fit for long life.
The whole fixture is made of stainless steel(316), ensures corrosion free outdoor performance in salty,damp envioment,especially suitable for underwater lighting.

8 mm Tempered glass lens support 800 kg "driver over" performance,
High reliability, maintenance free.
Very low surface temperature lens can be touched without injury.
Suitable for indoor applications in bathroom, kitchens,
bars when lens may be touched without injury.

Features



Cover: stainless steel 316
Body: stainless steel 316
Glass: tempered glass

Order options

COLOUR TEMPERATURE

2700K
3000K
4000K

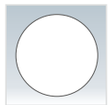
COLOUR RENDERING INDEX

CRI 80
CRI 90

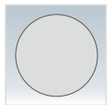
LENS

15°Beam 40°Beam 60°Beam

GLASS STYLE



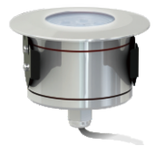
Clear glass
(Standard)

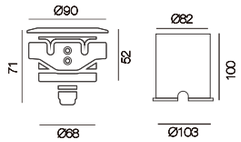


Frosted glass
(Optional)

EPO MINI S316

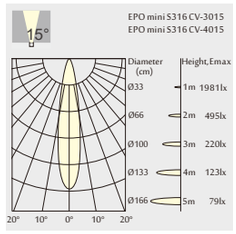
3000K
(Standard)

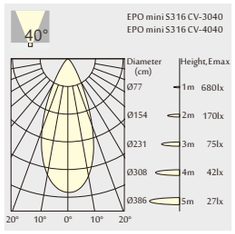


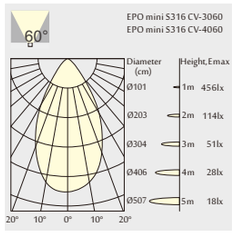


Light distribution for 3000K

EPO Mini S316 4.3 W 380lm-420lm







Order Information

EPO mini S316 3 LED MODELS (With CREE LED, DC-DC driver)

Code	Lumen output	Input Voltage	LED Power	System Power	CRI	CCT	BEAM
EPO mini S316 CV-3015	380 lm	12-24 V	4.3 W	4.8 W	83	3000K	15°
EPO mini S316 CV-4015	420 lm	12-24 V	4.3 W	4.8 W	83	4000K	15°
EPO mini S316 CV-3040	380 lm	12-24 V	4.3 W	4.8 W	83	3000K	40°
EPO mini S316 CV-4040	420 lm	12-24 V	4.3 W	4.8 W	83	4000K	40°
EPO mini S316 CV-3060	380 lm	12-24 V	4.3 W	4.8 W	83	3000K	60°
EPO mini S316 CV-4060	420 lm	12-24 V	4.3 W	4.8 W	83	4000K	60°

EPO Mini CV Ground Light Series
External 12-24VDC LED driver is required
Non-Dimmable
Lumen output: 380-420lm

Efficiency: 79 lm/W
Life time: 50,000 hours (70% Lumen maintenance)
3 Years Guarantee

EPO / EPO Maxi
Recessed Ground Light

IP68 [5m] | 800 Kg | Input 20-24VDC | Top cover Stainless Steel 316 | CE

20° 30° 60°

Quickinfo

GENERAL

underground
IP 68

LED

CREE LED module
2700K, 3000K, 4000K
CRI > 80, CRI>90
Bining < 3-Step MacAdam

ESTIMATED LED LIFETIME

L80 / 50,000h

OPTICAL

direct illumination
beam angle 20°, 30°, 60°

PHYSICAL

top cover: stainless steel 316
body: anodized aluminium

Function

High power ground light with great accent lighting effect.
IP68 design with integral thermal management for long life.
High precision machining ensures perfect mechanical fit for long life.
Stainless steel (316) front face ensures corrosion free outdoor performance in salty, damp environment.

8 mm Tempered glass lens support 800 kg "driver over" performance,
High reliability,maintenance free.
Light emission: one emission, two opposite emissions, four emissions.
Very low surface temperature lens can be touched without injury.
Suitable for indoor applications in bathroom, kitchens, bars when lens may be touched without injury.

Order options

COLOUR TEMPERATURE

2700K
3000K
4000K

COLOUR RENDERING INDEX

CRI 80
CRI 90

LENS

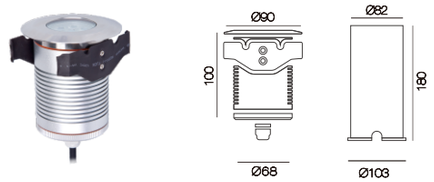
20°Beam 30°Beam 60°Beam

GLASS STYLE

Clear glass *(Standard)*
Frosted glass *(Optional)*

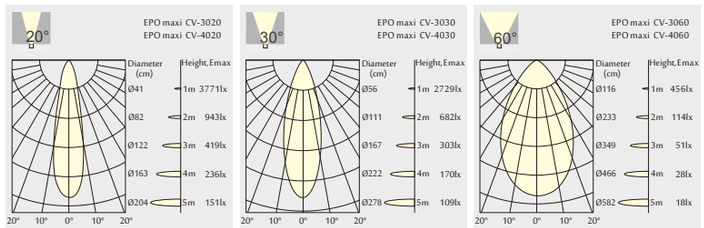
EPO Maxi

3000K
(Standard)



Light distribution for 3000K

EPO Maxi 11W 1000lm-1100lm



Order Information

EPO maxi 7 LED MODELS (With CREE LED, DC-DC driver)

Code	Lumen output	Input Voltage	LED Power	System Power	CRI	CCT	BEAM
EPO maxi CV-3020	1000 lm	24 V	11 W	11.5 W	83	3000K	20°
EPO maxi CV-4020	1100 lm	24 V	11 W	11.5 W	83	4000K	20°
EPO maxi CV-3030	1000 lm	24 V	11 W	11.5 W	83	3000K	30°
EPO maxi CV-4030	1100 lm	24 V	11 W	11.5 W	83	4000K	30°
EPO maxi CV-3060	1000 lm	24 V	11 W	11.5 W	83	3000K	60°
EPO maxi CV-4060	1100 lm	24 V	11 W	11.5 W	83	4000K	60°

EPO / EPO Maxi S316

Stainless Steel 316 Version for Underwater Lighting

IP68 [5m] | 800 Kg | Input 20-24VDC | Whole fixture Stainless Steel 316 | CE

20° 30° 60°

Quickinfo

GENERAL

underground
IP 68

LED

CREE LED module
2700K, 3000K, 4000K
CRI > 80, CRI>90
Bining < 3-Step MacAdam

ESTIMATED LED LIFETIME

L80 / 50,000h

OPTICAL

direct illumination
beam angle 20°, 30°, 60°

PHYSICAL

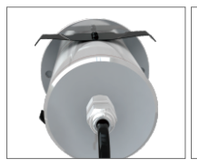
top cover: stainless steel 316
body: stainless steel 316

Function

High power ground light with great accent lighting effect.
IP68 design with integral thermal management for long life.
High precision machining ensures perfect mechanical fit for long life.
The whole fixture is made of stainless steel(316),ensures corrosion
free outdoor performance in salty,damp enviorment,especially suitable for underwater lighting.

8 mm Tempered glass lens support 800 kg "driver over" performance,
High reliability, maintenance free.
Very low surface temperature lens can be touched without injury
suitable for indoor applications in bathroom, kitchens, bars when lens may be touched without injury.

Features



Cover: stainless steel 316
Body: stainless steel 316
Glass: tempered glass

Order options

COLOUR TEMPERATURE

2700K
3000K
4000K

COLOUR RENDERING INDEX

CRI 80
CRI 90

LENS

20°Beam 30°Beam 60°Beam

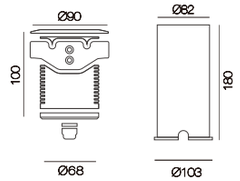
GLASS STYLE

Clear glass
(Standard)

Frosted glass
(Optional)

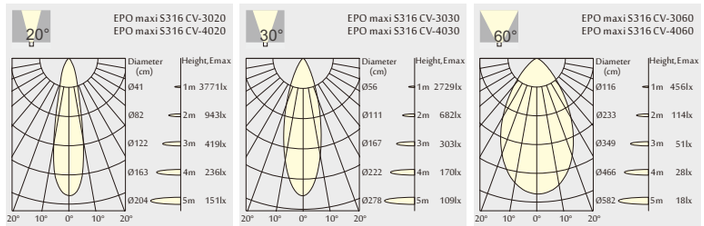
EPO Maxi S316

3000K
(Standard)



Light distribution for 3000K

EPO Maxi S316 11W 1000lm-1100lm

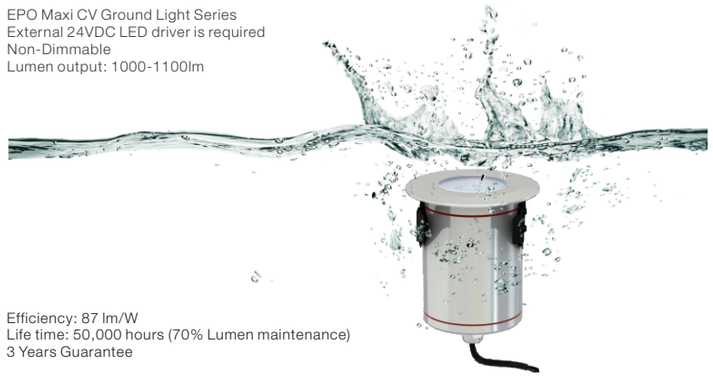


Order Information

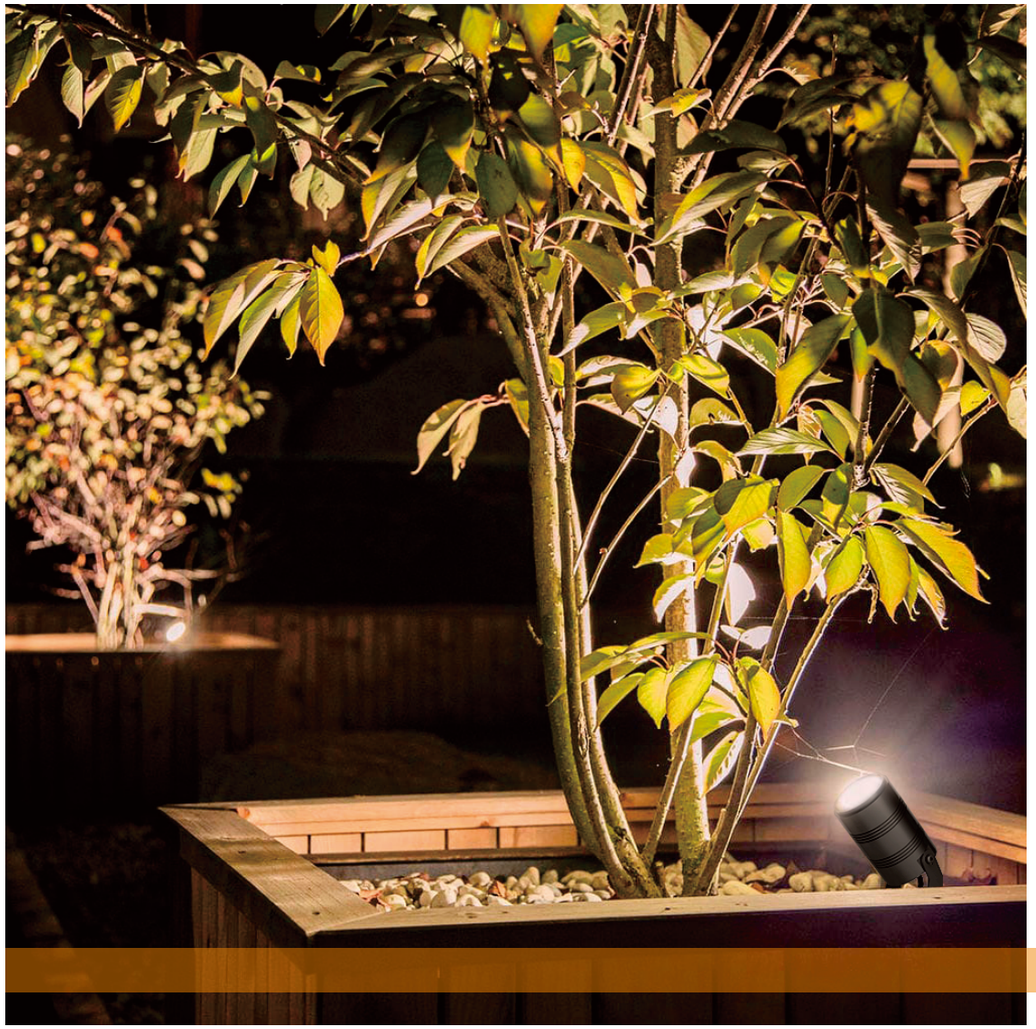
EPO maxi S316 7 LED MODELS (With CREE LED, DC-DC driver)

Code	Lumen output	Input Voltage	LED Power	System Power	CRI	CCT	BEAM
EPO maxi S316 CV-3020	1000 lm	24 V	11 W	11.5 W	83	3000K	20°
EPO maxi S316 CV-4020	1100 lm	24 V	11 W	11.5 W	83	4000K	20°
EPO maxi S316 CV-3030	1000 lm	24 V	11 W	11.5 W	83	3000K	30°
EPO maxi S316 CV-4030	1100 lm	24 V	11 W	11.5 W	83	4000K	30°
EPO maxi S316 CV-3060	1000 lm	24 V	11 W	11.5 W	83	3000K	60°
EPO maxi S316 CV-4060	1100 lm	24 V	11 W	11.5 W	83	4000K	60°

EPO Maxi CV Ground Light Series
External 24VDC LED driver is required
Non-Dimmable
Lumen output: 1000-1100lm



Efficiency: 87 lm/W
Life time: 50,000 hours (70% Lumen maintenance)
3 Years Guarantee



IP 68 OUTDOOR LIGHTING

Anodized aluminium housing version for landscape lighting.

Stainless Steel 316 housing version for underwater lighting.

Accessory :
Stake for EOS projector

EOS / EOS Nano
Projector Light

IP68 [5m]	Power 2W	Input 12-24VDC	Material Aluminium	CE

15° 25° 40°

Aluminium COLOUR

Metal Black COLOUR

Quickinfo

GENERAL

projector
IP 68

LED

CREE LED module
2700K, 3000K, 4000K
CRI > 80, CRI>90
Bining < 3-Step MacAdam

ESTIMATED LED LIFETIME

L80 / 50,000h

OPTICAL

direct illumination
beam angle 15°, 25°,40°

PHYSICAL

housing: anodized aluminium

Function

Creating striking wall effect with focus beam.
P68 design with integral thermal management for long life.
High precision machining ensures perfect mechanical fit for long life.
Stainless steel (316) front face ensures corrosion free outdoor. performance in salty damp environment.
Optional stake mounting offers easy installation and tool free repositioning.

Metal black COLOUR with triple layer coating
for high resistance to corrosion:

chemical conversion coating on the aluminium surface followed by a first layer of anodising,a second layer of epoxy
power and a third finishing layer of polyester powder.

Corrosion tests in artificial atmospheres
salt spray test passed at 1000hrs

Features

Body: Anodized Aluminium
Glass: tempered glass

Order options

COLOUR TEMPERATURE

2700K
3000K
4000K

COLOUR RENDERING INDEX

CRI 80
CRI 90

LENS

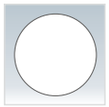
15°Beam 25°Beam 40°Beam

SURFACE TREATMENT

Aluminium COLOUR

Metal Black COLOUR

GLASS STYLE



Clear glass
(Standard)

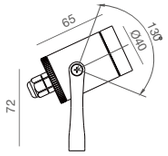
Frosted glass
(Optional)

INSTALLATION STAKE

(Optional)

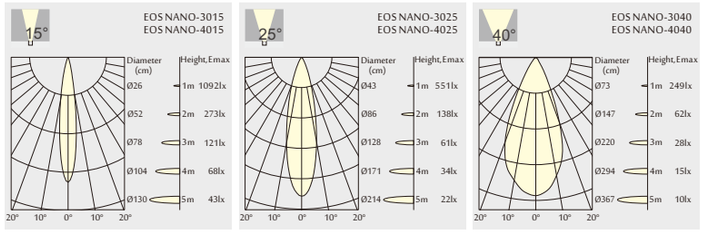
EOS Nano

3000K
(Standard)



Light distribution for 3000K

EOS NANO 2W 120m-140lm



Order Information

EOS NANO 1 LED MODELS (With CREE LED, DC-DC driver)

Code	Lumen output	Input Voltage	LED Power	System Power	CRI	CCT	BEAM
EOS NANO-3015	120 lm	12-24 V	1.6 W	2 W	83	3000K	15°
EOS NANO-4015	140 lm	12-24 V	1.6 W	2 W	83	4000K	15°
EOS NANO-3025	120 lm	12-24 V	1.6 W	2 W	83	3000K	25°
EOS NANO-4025	140 lm	12-24 V	1.6 W	2 W	83	4000K	25°
EOS NANO-3040	120 lm	12-24 V	1.6 W	2 W	83	3000K	40°
EOS NANO-4040	140 lm	12-24 V	1.6 W	2 W	83	4000K	40°

EOS / EOS Mini
Projector Light

IP68 [5m]	Power 4.8W	Input 12-24VDC	Material Aluminium	CE

Aluminium COLOUR

Metal Black COLOUR

Quickinfo

GENERAL

projector
IP 68

LED

CREE LED module
2700K, 3000K, 4000K
CRI > 80, CRI>90
Bining < 3-Step MacAdam

ESTIMATED LED LIFETIME

L80 / 50,000h

OPTICAL

direct illumination
beam angle 15°, 40°, 60°

PHYSICAL

housing: anodized aluminium

Function

Creating striking wall effect with focus beam
P68 design with integral thermal management for long life.
High precision machining ensures perfect mechanical fit for long life.
Stainless steel (316) front face ensures corrosion free outdoor performance in salty damp environment.
Optional stake mounting offers easy installation and tool free repositioning.

Metal black COLOUR with triple layer coating
for high resistance to corrosion:

chemical conversion coating on the aluminium surface followed by a first layer of anodising,a second layer of epoxy
power and a third finishing layer of polyester powder.

Corrosion tests in artificial atmospheres
salt spray test passed at 1000hrs

Features

Body: Anodized Aluminium
Glass: tempered glass

Order options

COLOUR TEMPERATURE

2700K
3000K
4000K

COLOUR RENDERING INDEX

CRI 80
CRI 90

LENS

15°Beam 40°Beam 60°Beam

SURFACE TREATMENT

Aluminium COLOUR

Metal Black COLOUR

GLASS STYLE

Clear glass
(Standard)

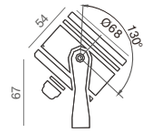
Frosted glass
(Optional)

INSTALLATION STAKE

(Optional)

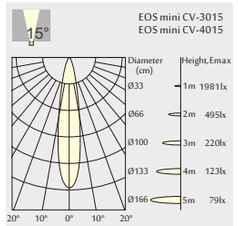
EOSMini

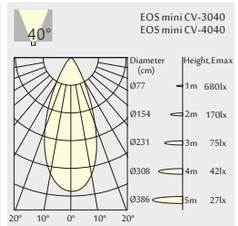
3000K
(Standard)

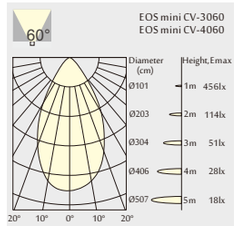


Light distribution for 3000K

EOS Mini 4.3W 380lm-420lm







Order Information

EOS mini 3 LED MODELS (With CREE LED, DC-DC driver)

Code	Lumen output	Input Voltage	LED Power	System Power	CRI	CCT	BEAM
EOS mini CV-3015	380 lm	12-24 V	4.3 W	4.8 W	83	3000K	15°
EOS mini CV-4015	420 lm	12-24 V	4.3 W	4.8 W	83	4000K	15°
EOS mini CV-3040	380 lm	12-24 V	4.3 W	4.8 W	83	3000K	40°
EOS mini CV-4040	420 lm	12-24 V	4.3 W	4.8 W	83	4000K	40°
EOS mini CV-3060	380 lm	12-24 V	4.3 W	4.8 W	83	3000K	60°
EOS mini CV-4060	420 lm	12-24 V	4.3 W	4.8 W	83	4000K	60°

EOS / EOS Mini S316

Stainless Steel 316 Version for Underwater Lighting

IP68 [5m]	Power 4.8W	Input 12-24VDC	Material Stainless Steel 316	CE

15° 40° 60°

Quickinfo

GENERAL

projector
IP 68

LED

CREE LED module
2700K, 3000K, 4000K
CRI > 80, CRI>90
Bining < 3-Step MacAdam

ESTIMATED LED LIFETIME

L80 / 50,000h

OPTICAL

direct illumination
beam angle 15°, 40°, 60°

PHYSICAL

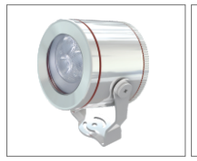
housing: stainless steel 316

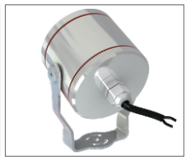
Function

Creating striking wall effect with focus beam
P68 design with integral thermal management for long life.
High precision machining ensures perfect mechanical fit for long life.

The whole fixture is made of stainless steel(316),ensures corrosionfree outdoor performance in salty,damp enviorment,especially suitable for underwater lighting.
Optional stake mounting offers easy installation and tool free repositioning.

Features





Body: Stainless steel 316

Order options

COLOUR TEMPERATURE

2700K
3000K
4000K

COLOUR RENDERING INDEX

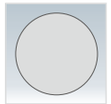
CRI 80
CRI 90

LENS

15°Beam 40°Beam 60°Beam

GLASS STYLE

Clear glass
(Standard)



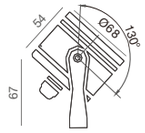
Frosted glass
(Optional)

INSTALLATION STAKE

(Optional)

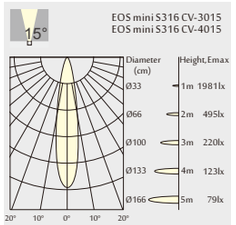
EOS Mini S316

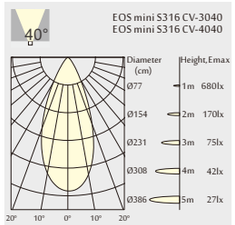
3000K
(Standard)

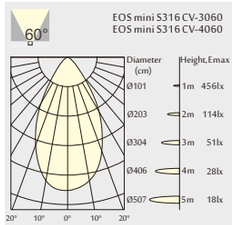


Light distribution for 3000K

EOS Mini S316 4.3W 380lm-420lm





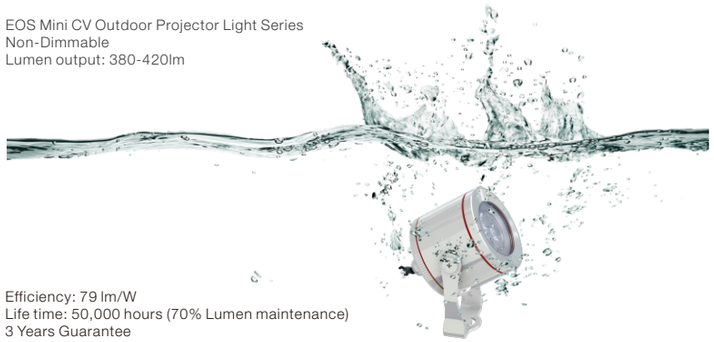


Order Information

EOS mini S316 3 LED MODELS (With CREE LED, DC-DC driver)

Code	Lumen output	Input Voltage	LED Power	System Power	CRI	CCT	BEAM
EOS mini S316 CV-3015	380 lm	12-24 V	4.3 W	4.8 W	83	3000K	15°
EOS mini S316 CV-4015	420 lm	12-24 V	4.3 W	4.8 W	83	4000K	15°
EOS mini S316 CV-3040	380 lm	12-24 V	4.3 W	4.8 W	83	3000K	40°
EOS mini S316 CV-4040	420 lm	12-24 V	4.3 W	4.8 W	83	4000K	40°
EOS mini S316 CV-3060	380 lm	12-24 V	4.3 W	4.8 W	83	3000K	60°
EOS mini S316 CV-4060	420 lm	12-24 V	4.3 W	4.8 W	83	4000K	60°

EOS Mini CV Outdoor Projector Light Series
Non-Dimmable
Lumen output: 380-420lm



Efficiency: 79 lm/W
Life time: 50,000 hours (70% Lumen maintenance)
3 Years Guarantee

EOS / EOS Maxi
Projector Light

IP68 [5m]	Power 11.5W	Input 20-24VDC	Material Aluminium	CE

20° 30° 60°

Aluminium COLOUR

Metal Black COLOUR

Quickinfo

GENERAL

projector
IP 68

LED

CREE LED module
2700K, 3000K, 4000K
CRI > 80, CRI>90
Bining < 3-Step MacAdam

ESTIMATED LED LIFETIME

L80 / 50,000h

OPTICAL

direct illumination
beam angle 20°, 30°, 60°

PHYSICAL

housing: anodized aluminium

Function

High power projector for architectural grade accent lighting effect.
IP68 design with integral thermal management for long life.
High precision machining ensures perfect mechanical fit for long life.
Stainless steel (316) front face ensures corrosion free outdoor performance in salty damp environment.
Optional stake mounting offers easy installation and tool free repositioning.

Metal black COLOUR with triple layer coating for high resistance to corrosion:
chemical conversion coating on the
aluminium surface followed by a first layer of anodising,a second layer of epoxy power and a third finishing layer of polyester powder.
Corrosion tests in artificial atmospheres salt spray test passed at 1000hrs

Features

Body: Anodized Aluminium
Glass: tempered glass

Order options

COLOUR TEMPERATURE

2700K
3000K
4000K

COLOUR RENDERING INDEX

CRI 80
CRI 90

LENS

20°Beam 30°Beam 60°Beam

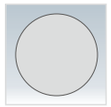
SURFACE TREATMENT

Aluminium COLOUR

Metal Black COLOUR

GLASS STYLE

Clear glass
(Standard)



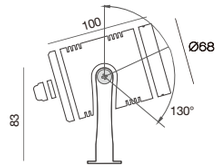
Frosted glass
(Optional)

INSTALLATION STAKE

(Optional)

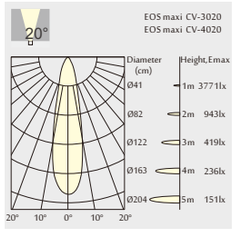
EOS Maxi

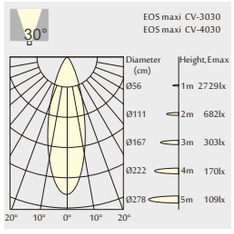
3000K
(Standard)

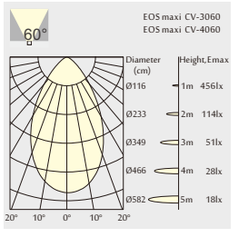


Light distribution for 3000K

EOS Maxi 11W 1000lm-1100lm







Order Information

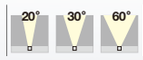
EOS maxi 7 LED MODELS (With CREE LED, DC-DC driver)

Code	Lumen output	Input Voltage	LED Power	System Power	CRI	CCT	BEAM
EOS maxi CV-3020	1000 lm	24 V	11 W	11.5 W	83	3000K	20°
EOS maxi CV-4020	1100 lm	24 V	11 W	11.5 W	83	4000K	20°
EOS maxi CV-3030	1000 lm	24 V	11 W	11.5 W	83	3000K	30°
EOS maxi CV-4030	1100 lm	24 V	11 W	11.5 W	83	4000K	30°
EOS maxi CV-3060	1000 lm	24 V	11 W	11.5 W	83	3000K	60°
EOS maxi CV-4060	1100 lm	24 V	11 W	11.5 W	83	4000K	60°

EOS / EOS Maxi S316

Stainless Steel 316 Version for Underwater Lighting

IP68 [5m]	Power 11.5W	Input 20-24VDC	Material Stainless Steel 316	CE



Quickinfo

GENERAL

projector
IP 68

LED

CREE LED module
2700K, 3000K, 4000K
CRI > 80, CRI>90
Bining < 3-Step MacAdam

ESTIMATED LED LIFETIME

L80 / 50,000h

OPTICAL

direct illumination
beam angle 20°, 30°, 60°

PHYSICAL

housing: stainless steel 316

Function

High power projector for architectural grade accent lighting effect.
IP68 design with integral thermal management for long life.
High precision machining ensures perfect mechanical fit for long life.

The whole fixture is made of stainless steel(316),ensures corrosion free outdoor performance in salty,damp enviorment, especially suitable for underwater lighting.
Optional stake mounting offers easy installation and tool free repositioning.

Features

Body: Stainless steel 316
Glass: tempered glass

Order options

COLOUR TEMPERATURE

2700K
3000K
4000K

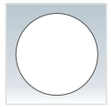
COLOUR RENDERING INDEX

CRI 80
CRI 90

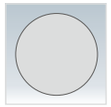
LENS

20°Beam 30°Beam 60°Beam

GLASS STYLE



Clear glass
(Standard)



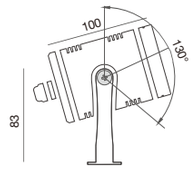
Frosted glass
(Optional)

INSTALLATION STAKE

(Optional)

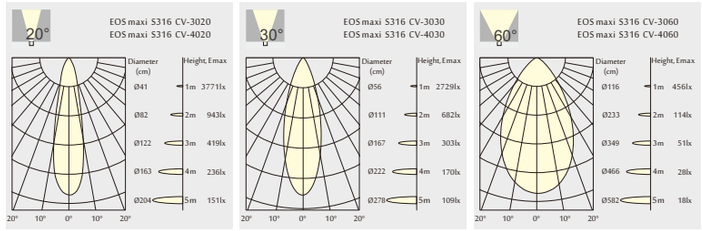
EOS Maxi S316

3000K
(Standard)



Light distribution for 3000K

EOS Maxi S316 11 W 1000lm-1100lm

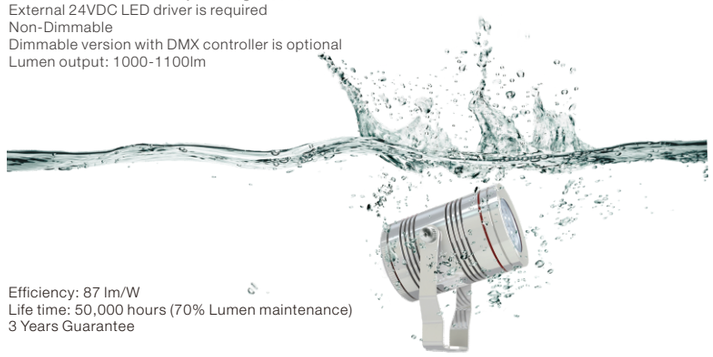


Order Information

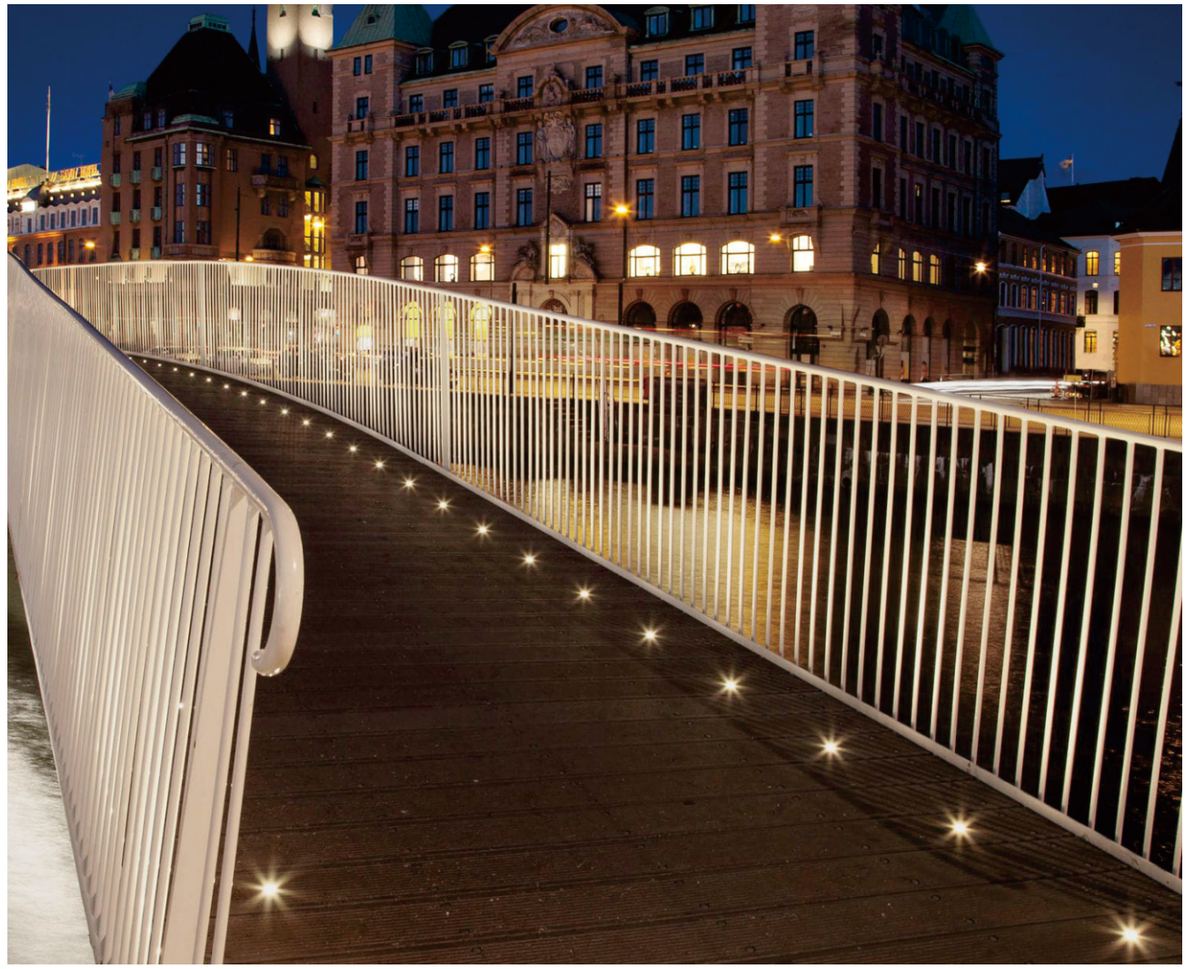
EOS maxi S316 7 LED MODELS (With CREE LED, DC-DC driver)

Code	Lumen output	Input Voltage	LED Power	System Power	CRI	CCT	BEAM
EOS maxi S316 CV-3020	1000 lm	24 V	11 W	11.5 W	83	3000K	20°
EOS maxi S316 CV-4020	1100 lm	24 V	11 W	11.5 W	83	4000K	20°
EOS maxi S316 CV-3030	1000 lm	24 V	11 W	11.5 W	83	3000K	30°
EOS maxi S316 CV-4030	1100 lm	24 V	11 W	11.5 W	83	4000K	30°
EOS maxi S316 CV-3060	1000 lm	24 V	11 W	11.5 W	83	3000K	60°
EOS maxi S316 CV-4060	1100 lm	24 V	11 W	11.5 W	83	4000K	60°

EOS Maxi CV Outdoor Projector Light Series
External 24VDC LED driver is required
Non-Dimmable
Dimmable version with DMX controller is optional
Lumen output: 1000-1100lm



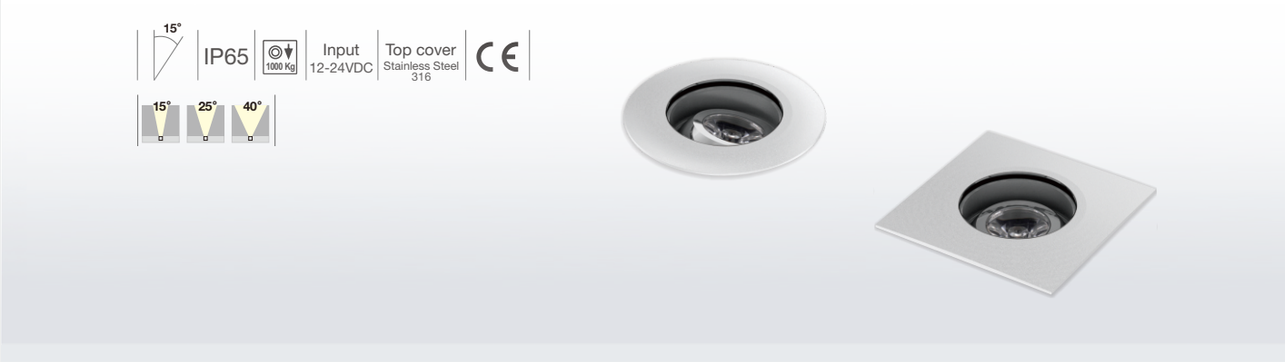
Efficiency: 87 lm/W
Life time: 50,000 hours (70% Lumen maintenance)
3 Years Guarantee



FOCAL
Recessed Ground Light

15° | IP65 | 1000 Kg | Input 12-24VDC | Top cover Stainless Steel 316 | CE

15° 25° 40°



Quickinfo

GENERAL

underground
IP 65
adjustable

LED

CREE LED module
2700K, 3000K, 4000K
CRI > 80, CRI>90
Bining < 3-Step MacAdam

ESTIMATED LED LIFETIME

L80 / 50,000h

OPTICAL

direct illumination
beam angle 15°, 25°, 40°

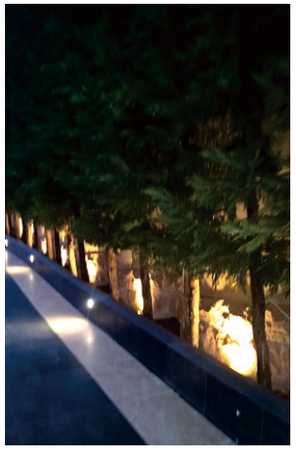
PHYSICAL

top cover: stainless steel 316
body: anodized aluminium

Function

A perfect marker light for in-ground,underwater or outdoor application.
IP65 design with integral thermal management for long life.
Round cover design containing one LED unit that can adjust to 15 °,bringing wall washing and greater flexibility.
High precision machining ensures perfect mechanical fit for long life.

8 mm Tempered glass lens support 1,000 kg “driver over” performance, High reliability,maintenance free.
Very low surface temperature lens can be touched without injury
Suitable for indoor applications in bathroom, kitchens, bars when lens may be touched without injury.



Order options

SYSTEM POWER

2W

COLOUR TEMPERATURE

2700K
3000K
4000K

COLOUR RENDERING INDEX

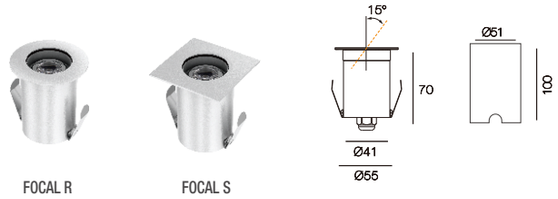
CRI 80
CRI 90

LENS

15°Beam 25°Beam 40°Beam

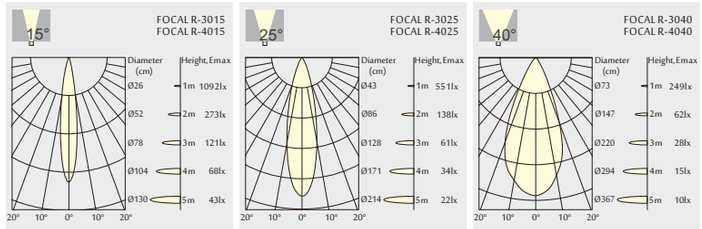
FOCAL

3000K
(Standard)



Light distribution for 3000K

FOCAL R 1.6W

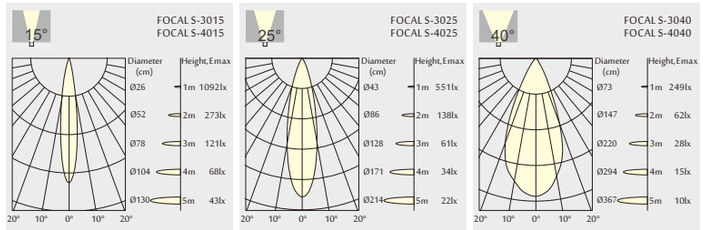


Order Information

FOCAL R 1 LED MODELS (With CREE LED, DC-DC driver)

Code	Lumen output	Input Voltage	LED Power	System Power	CRI	CCT	BEAM
FOCAL R-3015	120 lm	12-24 V	1.6 W	2 W	83	3000K	15°
FOCAL R-4015	140 lm	12-24 V	1.6 W	2 W	83	4000K	15°
FOCAL R-3025	120 lm	12-24 V	1.6 W	2 W	83	3000K	25°
FOCAL R-4025	140 lm	12-24 V	1.6 W	2 W	83	4000K	25°
FOCAL R-3040	120 lm	12-24 V	1.6 W	2 W	83	3000K	40°
FOCAL R-4040	140 lm	12-24 V	1.6 W	2 W	83	4000K	40°

FOCAL S 1.6W



Order Information

FOCAL S 1 LED MODELS (With CREE LED, DC-DC driver)

Code	Lumen output	Input Voltage	LED Power	System Power	CRI	CCT	BEAM
FOCAL S-3015	120 lm	12-24 V	1.6 W	2 W	83	3000K	15°
FOCAL S-4015	140 lm	12-24 V	1.6 W	2 W	83	4000K	15°
FOCAL S-3025	120 lm	12-24 V	1.6 W	2 W	83	3000K	25°
FOCAL S-4025	140 lm	12-24 V	1.6 W	2 W	83	4000K	25°
FOCAL S-3040	120 lm	12-24 V	1.6 W	2 W	83	3000K	40°
FOCAL S-4040	140 lm	12-24 V	1.6 W	2 W	83	4000K	40°

Outdoor Lighting Display Case