



Outdoor Lighting Solutions

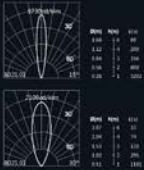
[www.led-design-innovation.com](http://www.led-design-innovation.com)

2.0

LED In-ground light Root C

ET8021.XX 7W, ET8022.XX 11W

Root C has different size and versions, IP67. This is a small power COB version, double front cover ring, same size with different watts for different applications.  
 Root C comes with COB LED and new designed aluminum reflector with high reflection and precision. Its built optimized structure of heat dissipation makes LED work in a stable and desired temperature range and represent high lighting output and long lifetime.  
 Designation of horizontal 360° rotation, vertical ±15° tilt allows Root C widely application in different places and projects. Different lighting beam angles allow Root C used differently on strict requests of lighting basis.  
 Root C is applied widely in lighting of building surface, sculptures, corridors, trees and greenbelts.



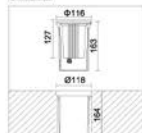
COB LED In-ground Light

Technical Data : Die casting aluminum housing and Stainless steel front cover ring  
 Aluminum reflector with high reflection  
 Optional lighting beam angles : 15°, 30°, 45°, 20°x55°  
 Imported silicon rubber ring  
 High intensity tempered glass  
 Constant current drive  
 Stainless steel screws

LED : COB LED  
 XX: 01=3000K, 08=4000K, 02=5000K

Protection Rating : IP67

Dimension



Model No.	Lamp	Lumens Flux	Power(w)	CCT(K)	Beam angle	Voltage	Lighting distribution
ET8021.01	COB LED	610	7	3000	30°	100V-240V	238 239
ET8021.08	COB LED	665	7	4000	30°	100V-240V	238 239
ET8021.02	COB LED	670	7	5000	30°	100V-240V	238 239
ET8022.01	COB LED	910	11	3000	30°	100V-240V	238 239
ET8022.08	COB LED	970	11	4000	30°	100V-240V	238 239
ET8022.02	COB LED	1060	11	5000	30°	100V-240V	238 239

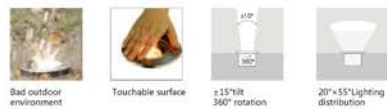
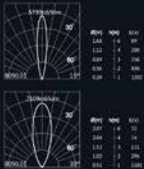
Concave cover Honey comb cover



LED In-ground light Root C

ET8090.XX 7W, ET8121.XX 11W

Root C has different size and versions, IP67. This is a small power COB version, double front cover ring, same size with different watts for different applications.  
 Root C comes with COB LED and new designed aluminum reflector with high reflection and precision. Its built optimized structure of heat dissipation makes LED work in a stable and desired temperature range and represent high lighting output and long lifetime.  
 Designation of horizontal 360° rotation, vertical ±15° tilt allows Root C widely application in different places and projects. Different lighting beam angles allow Root C used differently on strict requests of lighting basis.  
 Root C is applied widely in lighting of building surface, sculptures, corridors, trees and greenbelts.



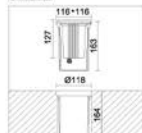
COB LED In-ground Light

Technical Data : Die casting aluminum housing and Stainless steel front cover ring  
 Aluminum reflector with high reflection  
 Optional lighting beam angles : 15°, 30°, 45°, 20°x55°  
 Imported silicon rubber ring  
 High intensity tempered glass  
 Constant current drive  
 Stainless steel screws

LED : COB LED  
 XX: 01=3000K, 08=4000K, 02=5000K

Protection Rating : IP67

Dimension



Model No.	Lamp	Lumens Flux	Power(w)	CCT(K)	Beam angle	Voltage	Lighting distribution
ET8090.01	COB LED	610	7	3000	30°	100V-240V	238 239
ET8090.08	COB LED	665	7	4000	30°	100V-240V	238 239
ET8090.02	COB LED	670	7	5000	30°	100V-240V	238 239
ET8121.01	COB LED	910	11	3000	30°	100V-240V	238 239
ET8121.08	COB LED	970	11	4000	30°	100V-240V	238 239
ET8121.02	COB LED	1060	11	5000	30°	100V-240V	238 239

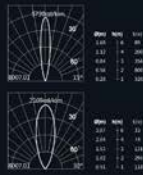
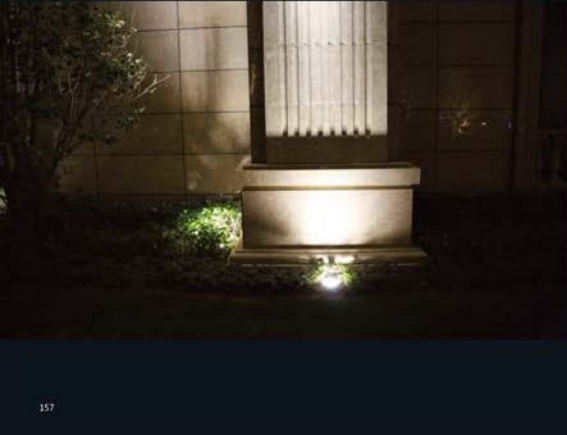
Concave cover Honey comb cover



### LED In-ground light Root C

ET8007.XX 7W, ET8008.XX 11W

Root C has different size and versions, IP67. This is a small power COB version, same size with different watts for different applications.  
 Root C comes with COB LED and new designed aluminum reflector with high reflection and precision. In built optimized structure of heat dissipation makes LED work in a stable and desired temperature range and represent high lighting output and long lifetime.  
 Designation of horizontal 360° rotation, vertical ±15° tilt allows Root C widely application in different places and projects. Different lighting beam angles allow Root C used differently on strict requests of lighting basis.  
 Root C is applied widely in lighting of building surface, sculptures, corridors, trees and greenbelts.



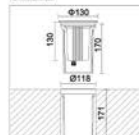
### COB LED In-ground Light

Technical Data : Die casting aluminum housing and Stainless steel front cover ring  
 Aluminum reflector with high reflection  
 Optional lighting beam angles : 15°, 30°, 45°, 20°x55°  
 Imported silicon rubber ring  
 High intensity tempered glass  
 Constant current drive  
 Stainless steel screws

LED : COB LED  
 XX: 01=3000K, 08=4000K, 02=5000K

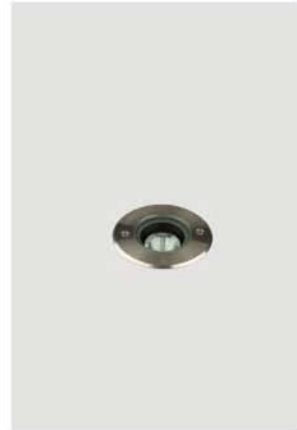
Protection Rating : IP67

Dimension



Model No.	Lamp	Luminous Flux(lm)	Power(w)	CCT(K)	Beam angle	Voltage
ET8007.01	COB LED	610	7	3000	30°	100V-240V
ET8007.02	COB LED	665	7	4000	30°	100V-240V
ET8007.02	COB LED	670	7	5000	30°	100V-240V
ET8008.01	COB LED	910	11	3000	30°	100V-240V
ET8008.02	COB LED	970	11	4000	30°	100V-240V
ET8008.02	COB LED	1060	11	5000	30°	100V-240V

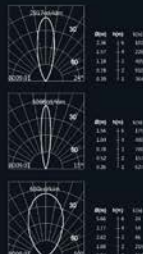
Concentric cover Honey comb cover



### LED In-ground light Root C

ET8009.XX 15W

Root C has different size and versions, IP67. This is a medium power COB version, same size with different watts for different applications.  
 Root C comes with COB LED and new designed aluminum reflector with high reflection and precision. In built optimized structure of heat dissipation makes LED work in a stable and desired temperature range and represent high lighting output and long lifetime.  
 Designation of horizontal 360° rotation, vertical ±15° tilt allows Root C widely application in different places and projects. Different lighting beam angles allow Root C used differently on strict requests of lighting basis.  
 Root C is applied widely in lighting of building surface, sculptures, corridors, trees and greenbelts.



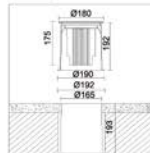
### COB LED In-ground Light

Technical Data : Die casting aluminum housing and Stainless steel front cover ring  
 Aluminum reflector with high reflection  
 Optional lighting beam angles : 15°, 24°, 50°, 20°x55°  
 Imported silicon rubber ring  
 High intensity tempered glass  
 Constant current drive  
 Stainless steel screws  
 Trace Dimming and 0-10V dimming are available

LED : COB LED  
 XX: 01=3000K, 08=4000K, 02=5000K

Protection Rating : IP67

Dimension



Model No.	Lamp	Luminous Flux(lm)	Power(w)	CCT(K)	Beam angle	Voltage
ET8009.01	COB LED	1250	15	3000	24°	100V-240V
ET8009.02	COB LED	1250	15	4000	24°	100V-240V
ET8009.02	COB LED	1250	15	5000	24°	100V-240V

Concentric cover Honey comb cover



LED In-ground light Root C

ET8138.XX 15W

Root C has different size and versions, IP67. This is a medium power and asymmetrical COB version, same size with different watts for different applications.  
 Root C comes with COB LED and new-designed aluminum reflector with high reflection and precision. In built optimized structure of heat dissipation makes LED work in a stable and desired temperature range and represent high lighting output and long lifetime.  
 Designation of horizontal 360° rotation, vertical ±15° tilt allows Root C widely application in different places and projects. Different lighting beam angles allow Root C used differently on strict requests of lighting basis.  
 Root C is applied widely in lighting of building surface, sculptures, corridors, trees and greenbelts.



Bad outdoor environment



Touchable surface



Asymmetrical aluminum reflector

COB LED In-ground Light

Technical Data : Die casting aluminum housing and Stainless steel front cover ring  
 Asymmetrical aluminum reflector with high reflection  
 Imported silicon rubber ring  
 High intensity tempered glass  
 Constant current drive  
 Stainless steel screws  
 Triac Dimming and 0-10V dimming are available

LED : COB LED  
 XX: 01=3000K, 08=4000K, 02=5000K

Protection Rating : IP67

Dimension



Model No.	Lamp	Lumen Flux(lm)	Power(w)	CCT(K)	Beam angle	Voltage
ET8138.01	COB LED	1250	15	3000	44°x68°	100V~240V
ET8138.08	COB LED	1250	15	4000	44°x68°	100V~240V
ET8138.02	COB LED	1250	15	5000	44°x68°	100V~240V



LED In-ground light Root C

ET8019.XX 22W

Root C has different size and versions, IP67. This is a high power COB version, same size with different watts for different applications.  
 Root C comes with COB LED and new-designed aluminum reflector with high reflection and precision. In built optimized structure of heat dissipation makes LED work in a stable and desired temperature range and represent high lighting output and long lifetime.  
 Designation of horizontal 360° rotation, vertical ±15° tilt allows Root C widely application in different places and projects. Different lighting beam angles allow Root C used differently on strict requests of lighting basis.  
 Root C is applied widely in lighting of building surface, sculptures, corridors, trees and greenbelts.



Bad outdoor environment



Touchable surface



±15° tilt  
360° rotation



20°x55° lighting distribution

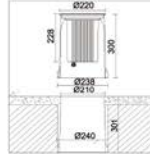
COB LED In-ground Light

Technical Data : Die casting aluminum housing and Stainless steel front cover ring  
 Aluminum reflector with high reflection  
 Optional lighting beam angles : 15°, 24°, 36°, 72°, 20°x55°  
 Imported silicon rubber ring  
 High intensity tempered glass  
 Constant current drive  
 Stainless steel screws  
 Triac Dimming and 0-10V dimming are available

LED : COB LED  
 XX: 01=3000K, 08=4000K, 02=5000K

Protection Rating : IP65

Dimension



Model No.	Lamp	Lumen Flux(lm)	Power(w)	CCT(K)	Beam angle	Voltage
ET8019.01	COB LED	2900	22	3000	24°	100V~240V 244 245
ET8019.08	COB LED	2900	22	4000	24°	100V~240V 244 245
ET8019.02	COB LED	2900	22	5000	24°	100V~240V 244 245

Concrete cover Honey comb cover





LED In-ground light Root C  
ET8126.XX 59W

Root C has different size and versions, IP67. This is a high power COB version, same size with different watts for different applications.  
Root C comes with COB LED and new-designed aluminum reflector with high reflection and precision. In built optimized structure of heat dissipation makes LED work in a stable and desired temperature range and represent high lighting output and long lifetime.  
Dispersion of horizontal 360° rotation, vertical ±15° tilt allows Root C widely application in different places and projects. Different lighting beam angles allow Root C used differently on strict requests of lighting basis.  
Root C is applied widely in lighting of building surface, sculptures, corridors, trees and greenbelts.



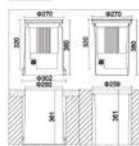
COB LED In-ground Light

Technical Data : Die casting aluminum housing and Stainless steel front cover ring  
Aluminum reflector with high reflection  
Optional lighting beam angles : 8° , 18° , 36° , 72° , 20°x55°  
Imported silicon rubber ring  
High intensity tempered glass  
Constant current drive  
Stainless steel screws  
Triac Dimming and 0-10V dimming are available

LED : COB LED  
XX: 01=3000K, 08=4000K, 02=5000K

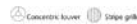
Protection Rating : IP67

Dimension



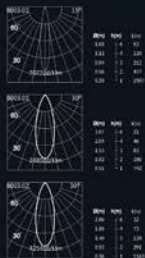
Standard Recessed pot Available Recessed pot

Model No.	Lamp	Lumens Flux	Power(w)	CCT(K)	Beam angle	Voltage	254	255
ET8126.01	COB LED	5200	59	3000	18°	100V-240V	254	255
ET8126.08	COB LED	5200	59	4000	18°	100V-240V	254	255
ET8126.02	COB LED	5200	59	5000	18°	100V-240V	254	255



LED In-ground light Root H  
ET8003.XX 4W, ET8013.XX 4W

Root H has different size and versions, IP67. This is a version comes with Cree 1W LED or SMD LED, same size with different LED and watts for different applications.  
Die casting aluminum housing. LED chips are fixed on aluminum heat sink tightly which keeps fine heat conductivity from inside to outside. Professional designation gives reasonable housing size according to different watts. Different lighting beam angles allow Root H used differently on strict requests of lighting basis and provide various distributions to designers.  
Root H is applied widely in lighting of building surface, sculptures, corridors, trees and greenbelts.

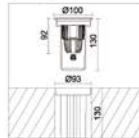


LED In-ground Light

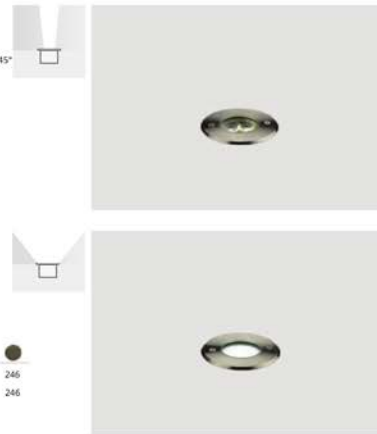
Technical Data : Die casting aluminum housing and Stainless steel front cover ring  
Precise Optical lens and lighting distribution  
Optional lighting beam angles: ET8003.XX: 15° , 30° , 45° , 20°x45°  
Imported silicon rubber ring, High intensity tempered glass  
Constant current drive, Stainless steel screws  
Rugged, corrosion resistant PP recessed can

LED : ET8003.XX: Cree high power led 1w x3  
ET8013.XX: SMD LED 0.25w x12  
XX: 01=3000K, 02=6000K, 03=4000K, 03=RGB  
04=Red, 05=Green, 06=Blue, 07=Amber  
Protection Rating : IP67

Dimension



Model No.	Lamp	Lumens Flux	Power(w)	CCT(K)	Beam angle	Voltage	246	246
ET8003.01	LED	270	4	3000	30°	100V-240V	246	246
ET8003.02	LED	330	4	6000	30°	100V-240V	246	246
ET8013.01	LED	180	4	3000	97°	100V-240V	246	246
ET8013.02	LED	144	4	6000	97°	100V-240V	246	246



LED In-ground light Root H  
ET8005.XX 4W, ET8017.XX 4W

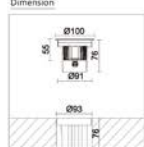
Root H has different size and versions, IP67. This is a version comes with Cree 1W LED or SMD LED with smaller height. Different LED and watts for different applications.  
Die casting aluminum housing. LED chips are fixed on aluminum heat sink tightly which keeps fine heat conductivity from inside to outside. Professional designation gives reasonable housing size according to different watts. Different lighting beam angles allow Root H used differently on strict requests of lighting basis and provide various distributions to designers.  
Root H is applied widely in lighting of building surface, sculptures, corridors, trees and greenbelts.



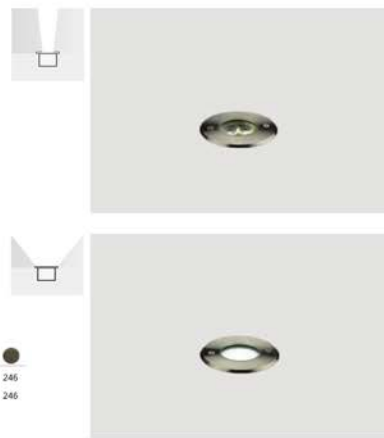
COB LED In-ground Light

**Technical Data**  
Die casting aluminum housing and Stainless steel front cover ring  
Precise Optical lens and lighting distribution  
Optional lighting beam angles: ET8005.XX: 15°, 30°, 45°, 20°/45°  
Imported silicon rubber ring, High intensity tempered glass  
Low voltage input, safety and reliability  
Stainless steel screws  
Rugged, corrosion resistant PP recessed can

**LED:** ET8005.XX: Cree high power led 1w x3  
ET8017.XX: SMD LED 0.25w x12  
XX: 01=3000K, 02=6000K, 03=4000K, 03=RGB  
04=Red, 05=Green, 06=Blue, 07=Amber  
Protection Rating : IP67



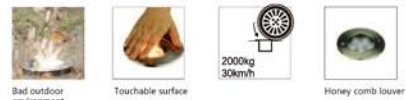
Model No.	Lamp	Lumens (lm)	Power(w)	CCT(K)	Beam angle	Voltage
ET8005.01	LED	270	4	3000	30°	24V DC
ET8005.02	LED	330	4	6000	30°	24V DC
ET8017.01	LED	180	4	3000	97°	24V DC
ET8017.02	LED	144	4	6000	97°	24V DC



● Honey comb louver

LED In-ground light Root H  
ET8023.XX 7W, ET8041.XX 5W

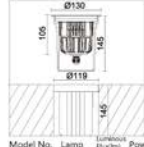
Root H has different size and versions, IP67. This is a version comes with Cree 1W LED or SMD LED, same size with different LED and watts for different applications.  
Die casting aluminum housing. LED chips are fixed on aluminum heat sink tightly which keeps fine heat conductivity from inside to outside. Professional designation gives reasonable housing size according to different watts. Different lighting beam angles allow Root H used differently on strict requests of lighting basis and provide various distributions to designers.  
Root H is applied widely in lighting of building surface, sculptures, corridors, trees and greenbelts.



LED In-ground light

**Technical Data**  
Die casting aluminum housing and Stainless steel front cover ring  
Precise Optical lens and lighting distribution  
Optional lighting beam angles: ET8023.XX: 12°, 25°, 40°, 18°/40°  
Imported silicon rubber ring, High intensity tempered glass  
Constant current drive  
Stainless steel screws, Rugged, corrosion resistant PP recessed can

**LED:** ET8023.XX: Cree high power led 1w x5  
ET8041.XX: SMD LED 0.25w x18  
XX: 01=3000K, 02=6000K, 03=4000K, 03=RGB  
04=Red, 05=Green, 06=Blue, 07=Amber  
Protection Rating : IP67



Model No.	Lamp	Lumens (lm)	Power(w)	CCT(K)	Beam angle	Voltage
ET8023.01	LED	540	7	3000	25°	100V~240V
ET8023.02	LED	660	7	6000	25°	100V~240V
ET8023.03	LED	520	7	R.G.B	25°	24V DC
ET8041.01	LED	215	5	3000	97°	100V~240V
ET8041.02	LED	270	5	6000	97°	100V~240V
ET8041.03	LED	205	5	R.G.B	97°	24V DC



● Honey comb louver

LED In-ground light Root H

ET8028.XX 7W , ET8045.XX 5W

Root H has different size and versions, IP67. This is a version comes with Cree 1W LED or SMD LED with smaller height. Different LED and watts for different applications.  
Die casting aluminum housing. LED chips are fixed on aluminum heat sink tightly which keeps fine heat conductivity from inside to outside. Professional designation gives reasonable housing size according to different watts. Different lighting beam angles allow Root H used differently on strict requests of lighting basis and provide various distributions to designers.  
Root H is applied widely in lighting of building surface, sculptures, corridors, trees and greenbelts.



LED In-ground light

Technical Data :  
Die casting aluminum housing and Stainless steel front cover ring  
Precise Optical lens and lighting distribution  
Optional lighting beam angles: ET8028.XX: 12°, 25°, 40°, 18°\*40°  
Imported silicon rubber ring, High intensity tempered glass  
Low voltage input, safety and reliability  
Stainless steel screws, Rugged, corrosion resistant PP recessed can  
LED : ET8028.XX: Cree high power led 1w x6  
ET8045.XX: SMD LED 0.25w x18  
XX: 01=3000K, 02=6000K, 08=4000K, 03=RGB  
04=Red, 05=Green, 06=Blue, 07=Amber  
Protection Rating : IP67

Dimension



Model No.	Lamp	Lumens (lm)	Power(w)	CCT(K)	Beam angle	Voltage
ET8028.01	LED	540	7	3000	25°	24V.DC
ET8028.02	LED	660	7	6000	25°	24V.DC
ET8028.03	LED	520	7	R.G.B	25°	24V.DC
ET8045.01	LED	215	5	3000	97°	24V.DC
ET8045.02	LED	270	5	6000	97°	24V.DC
ET8045.03	LED	205	5	R.G.B	97°	24V.DC

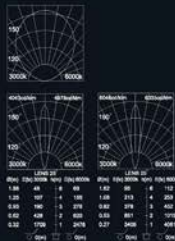
● Honey comb lower



LED In-ground light Root H

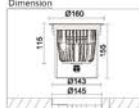
ET8048.XX 13W , ET8065.XX 17W, ET8077.XX 6W

Root H has different size and versions, IP67. This is a version comes with Cree 1W LED or SMD LED with smaller height. Different LED and watts for different applications.  
Die casting aluminum housing. LED chips are fixed on aluminum heat sink tightly which keeps fine heat conductivity from inside to outside. Professional designation gives reasonable housing size according to different watts. Different lighting beam angles allow Root H used differently on strict requests of lighting basis and provide various distributions to designers.  
Root H is applied widely in lighting of building surface, sculptures, corridors, trees and greenbelts.



LED In-ground light

Technical Data :  
Die casting aluminum housing and Stainless steel front cover ring  
Precise Optical lens and lighting distribution  
Optional lighting beam angles: ET8048.XX: 12°, 18°\*40°  
ET8065.XX: 8°, 25°, 12°\*30°  
Imported silicon rubber ring, High intensity tempered glass  
Constant current drive  
Stainless steel screws, Rugged, corrosion resistant PP recessed can  
Ttalc Dimming and 0-10V dimming are available  
LED : Cree high power led ET8048.XX: 1w x9; ET8065.XX: 1w x12  
ET8077.XX: SMD LED 0.25w x24  
XX: 01=3000K, 02=6000K, 08=4000K, 03=RGB  
04=Red, 05=Green, 06=Blue, 07=Amber  
Protection Rating : IP67



Model No.	Lamp	Lumens (lm)	Power(w)	CCT(K)	Beam angle	Voltage
ET8048.01	LED	810	13	3000	12°	100V~240V
ET8048.02	LED	990	13	6000	12°	100V~240V
ET8048.03	LED	720	13	R.G.B	12°	24V.DC
ET8065.01	LED	1080	17	3000	25°	100V~240V
ET8065.02	LED	1320	17	6000	25°	100V~240V
ET8065.03	LED	960	17	R.G.B	25°	24V.DC
ET8077.01	LED	306	6	3000	97°	100V~240V
ET8077.02	LED	360	6	6000	97°	100V~240V
ET8077.03	LED	295	6	R.G.B	97°	24V.DC

● Honey comb lower





LED In-ground light Root H

ET8061.XX 13W, ET8069.XX 17W, ET8095.XX 6W

Root H has different size and versions, IP67. This is a version comes with Cree 1W LED or SMD LED with smaller height. Different LED and watts for different applications.  
Die casting aluminum housing. LED chips are fixed on aluminum heat sink tightly which keeps fine heat conductivity from inside to outside. Professional designation gives reasonable housing size according to different watts. Different lighting beam angles allow Root H used differently on strict requests of lighting basis and provide various distributions to designers.  
Root H is applied widely in lighting of building surface, sculptures, corridors, trees and greenbelts.



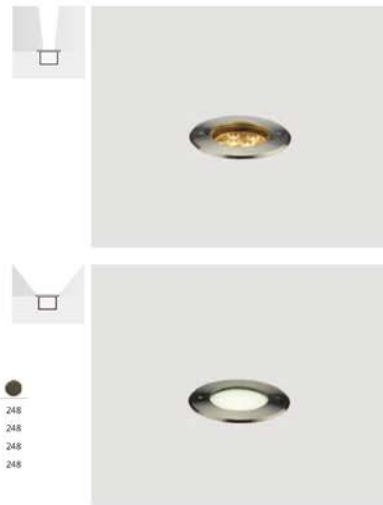
Bad outdoor environment, Touchable surface, 2000kg/30km/h, Honey comb lower

LED In-ground light  
Technical Data :  
Die casting aluminum housing and Stainless steel front cover ring  
Precise Optical lens and lighting distribution  
Optional lighting beam angles: ET8061.XX: 12°, 18°, 40°;  
ET8069.XX: 8°, 25°, 12°, 30°  
Imported silicon rubber ring, High intensity tempered glass  
Low voltage input, safety and reliability  
Stainless steel screws, Rugged, corrosion resistant PP recessed can



LED : Cree high power led ET8061.XX: 1w x 9; ET8069.XX 1w x12  
ET8095.XX SMD LED 0.25w x24  
XX: 01=3000K, 02=6000K, 03=4000K, 03=RGB  
04=Red, 05=Green, 06=Blue, 07=Amber  
Protection Rating : IP67

Model No.	Lamp	Luminous flux(lm)	Power(w)	CCT(K)	Beam angle	Voltage
ET8061.01	LED	810	13	3000	12°	24V DC
ET8061.02	LED	990	13	6000	12°	24V DC
ET8069.01	LED	1080	17	3000	25°	24V DC
ET8069.02	LED	1320	17	6000	25°	24V DC
ET8095.01	LED	306	6	3000	97°	24V DC
ET8095.02	LED	360	6	6000	97°	24V DC

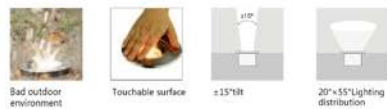


Honey comb lower

LED In-ground light Root H

ET8114.XX 15W

Root H has different size and versions, IP67. This is a version comes with Cree 1W LED with tiltable option.  
Die casting aluminum housing. LED chips are fixed on aluminum heat sink tightly which keeps fine heat conductivity from inside to outside. Professional designation gives reasonable housing size according to different watts. Different lighting beam angles allow Root H used differently on strict requests of lighting basis and provide various distributions to designers.  
Root H is applied widely in lighting of building surface, sculptures, corridors, trees and greenbelts.



Bad outdoor environment, Touchable surface, ±15° tilt, 20°~55° lighting distribution

LED In-ground light  
Technical Data :  
Die casting aluminum housing and Stainless steel front cover ring  
Precise Optical lens and lighting distribution  
Optional lighting beam angles : 8°, 25°, 20°~55°  
Imported silicon rubber ring, High intensity tempered glass  
Constant current drive  
Stainless steel screws, Rugged, corrosion resistant PP recessed can  
Triac Dimming and 0-10V dimming are available



LED : Cree high power led 1w x12  
XX: 01=3000K, 02=6000K, 03=4000K, 03=RGB  
04=Red, 05=Green, 06=Blue, 07=Amber  
Protection Rating : IP67

Model No.	Lamp	Luminous flux(lm)	Power(w)	CCT(K)	Beam angle	Voltage
ET8114.01	LED	1080	15	3000	25°	100V-240V
ET8114.02	LED	1320	15	6000	25°	100V-240V
ET8114.03	LED	960	15	R.G.B	25°	24V DC



Honey comb lower



LED In-ground Light Root S

ET8082.XX 5W

Root S has different size and versions, IP67. This is a version comes with SMD LED with super wide lighting distribution option. Designed for some warm environment.  
Die casting aluminum housing, Stainless Steel front cover ring. Different size and watts allow Root S used differently on strict requests of lighting basis and the short housing is specially designed for short depth places.  
Root S is applied widely in lighting of building surface, sculptures, corridors, trees and greenbelts.



Bad outdoor environment



Touchable surface

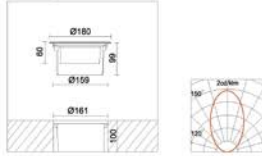
LED In-ground light

Technical Data : Die casting aluminum housing and Stainless steel front cover ring  
In Built quality acrylic diffuser  
Super wide lighting beam angle, soft lighting distribution  
Imported silicon rubber ring  
High intensity tempered glass  
Constant current drive  
Stainless steel screws  
Tria Dimming and 0-10V dimming are available

LED : SMD LED 0.25w x24  
XX: 01=3000K, 02=6000K, 08=4000K, 03=RGB  
04=Red, 05=Green, 06=Blue, 07=Amber

Protection Rating: IP67

Dimension



Model No.	Lamp	Luminous Flux(lm)	Power(w)	CCT(K)	Beam angle	Voltage
ET8082.01	LED	331	5	3000	97°	100V~240V
ET8082.02	LED	390	5	6000	97°	100V~240V
ET8082.03	LED	298	5	R.G.B	97°	24V DC

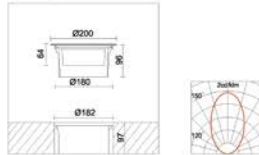
LED In-ground light

Technical Data : Die casting aluminum housing and Stainless steel front cover ring  
In Built quality acrylic diffuser  
Super wide lighting beam angle, soft lighting distribution  
Imported silicon rubber ring  
High intensity tempered glass  
Constant current drive  
Stainless steel screws  
Tria Dimming and 0-10V dimming are available

LED : SMD LED 0.25w x24  
XX: 01=3000K, 02=6000K, 08=4000K, 03=RGB  
04=Red, 05=Green, 06=Blue, 07=Amber

Protection Rating: IP67

Dimension



Model No.	Lamp	Luminous Flux(lm)	Power(w)	CCT(K)	Beam angle	Voltage
ET8083.01	LED	331	5	3000	97°	100V~240V
ET8083.02	LED	390	5	6000	97°	100V~240V
ET8083.03	LED	298	5	R.G.B	97°	24V DC

LED In-ground Light Root S

ET8034A.XX 14W, ET8034B.XX 14W

Root S has different size and versions, IP67. This is a version comes with SMD LED with super wide lighting distribution option. Designed for some warm environment.  
Die casting aluminum housing, Stainless Steel front cover ring. Different size and watts allow Root S used differently on strict requests of lighting basis and the short housing is specially designed for short depth places.  
Root S is applied widely in lighting of building surface, sculptures, corridors, trees and greenbelts.



Bad outdoor environment



Touchable surface

LED In-ground light

Technical Data : Die casting aluminum housing and Stainless steel front cover ring  
In Built quality acrylic diffuser  
Super wide lighting beam angle, soft lighting distribution  
Imported silicon rubber ring  
High intensity tempered glass  
Constant current drive  
Stainless steel screws  
Tria Dimming and 0-10V dimming are available

LED : SMD LED x60  
XX: 01=3000K, 02=6000K, 08=4000K, 03=RGB  
04=Red, 05=Green, 06=Blue, 07=Amber

Protection Rating: IP67

Dimension



Model No.	Lamp	Luminous Flux(lm)	Power(w)	CCT(K)	Beam angle	Voltage
ET8034A.02	LED	480	14	6000	97°	100V~240V
ET8034B.02	LED	480	14	6000	97°	100V~240V



LED Half-recessed in-ground Light Root HR  
ET8149.XX 7W, ET8150.XX 11W

This is a half-recessed version comes with COB LED with four sides lighting output and designed for some special applications.  
The recessed part is made of stainless steel and the materials of column is die casting aluminum. The wattage can be made customized.  
Root HR is applied specially in lighting of building surface, trees and greenbelts.



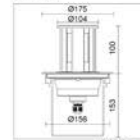
COB LED Half-recessed in-ground light

Technical Data : Stainless steel housing  
Die casting aluminum column  
Imported silicon rubber ring  
Optical PC cover  
Constant current drive  
Stainless steel screws  
Triac Dimming and 0-10V dimming are available

LED : COB LED  
XX: 01=3000K, 08=4000K, 02=5000K

Protection Rating : IP67

Dimension



Model No.	Lamp	Lumens lm/hour	Power(w)	CCT(K)	Beam angle	Voltage
ET8149.01	COB LED	610	7	3000	45°	100V-240V
ET8149.08	COB LED	670	7	4000	45°	100V-240V
ET8149.02	COB LED	665	7	5000	45°	100V-240V
ET8150.01	COB LED	910	11	3000	45°	100V-240V
ET8150.08	COB LED	970	11	4000	45°	100V-240V
ET8150.02	COB LED	1060	11	5000	45°	100V-240V



LED Half-recessed in-ground Light Root HR  
ET8137.XX 7W, ET8150.XX 11W

This is a half-recessed version comes with COB LED with 360°annular lighting output and designed for some special applications.  
The recessed part is made of die casting aluminum and the materials of column is PC with 70mm height. Stainless steel front cover ring and top cover. IP67.  
Root HR is applied specially in lighting of building surface, trees and greenbelts.



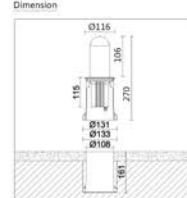
COB LED Half-recessed in-ground light

Technical Data: Die casting aluminum housing and Stainless steel cover ring and top cover  
Optical PC cover  
Imported silicon rubber ring  
Constant current drive  
Stainless steel screws  
Rugged, corrosion resistant FP recessed can

LED : COB LED  
XX: 01=3000K, 08=4000K, 02=5000K

Protection Rating : IP67

Dimension



Model No.	Lamp	Lumens lm/hour	Power(w)	CCT(K)	Beam angle	Voltage
ET8137.01	COB LED	610	7	3000	180°	100V-240V
ET8137.08	COB LED	670	7	4000	180°	100V-240V
ET8137.02	COB LED	665	7	5000	180°	100V-240V



LED Half-recessed in-ground Light Root HR  
ET8136.XX 5W

This is a half-recessed version comes with SMD LED with 360°omniangular lighting output and designed for some special applications.  
The recessed part and 11mm high diffuser are both made of plastic. Stainless steel top cover ring. IP67.  
Root HR is applied specially in lighting of building surface, trees and greenbelts.



LED Half-recessed in-ground light

Technical Data : Entirely plastic housing  
Stainless steel top cover ring  
Imported silicon rubber ring  
Optical lighting diffuser  
In built driver

LED : SMD LED x24

Protection Rating : IP67

Dimension

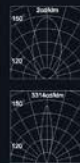


Model No.	Lamp	Lumens (lm)	Power(w)	CCT(K)	Beam angle	Voltage
ET8136.01	LED	240	5	3000	360°	100V~240V
ET8136.08	LED	350	5	4000	360°	100V~240V
ET8136.02	LED	360	5	6000	360°	100V~240V



LED In-ground light Root P  
ET8316.XX 2W , ET8317.XX 1W

Root P is a kind of product made of stainless steel and completed with Cree high power LED, drove by customized power supply. Optimized heat dissipation. Long lifetime.  
IP68 makes Root P fit to any wet or underwater environment, applied in square, river levee, green belt or bush where always watered. Precise optical lens, different lighting beam angles.  
SS316 is available and necessary for seaside application. Durable and super small.



Watt	lm	lm/w
2.0	1	0.5
2.0	2	1.0
1.0	1	1.0
1.0	8	8.0
0.8	12	15.0



LED In-ground light

Technical Data : Stainless steel housing and front cover ring  
Imported silicon rubber ring  
High intensity tempered glass  
Available Lighting beam angles : 8316.XX: 15°, 25°, 40°  
In built self-developed driver  
Rugged, corrosion resistant IP68 recessed can

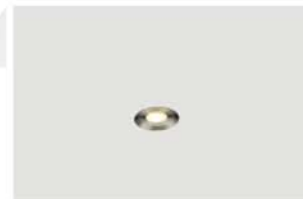
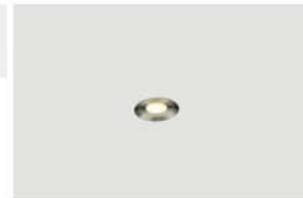
LED : ET8136.XX: Cree high power led 1w x1  
ET8137.XX: SMD LED x5  
XX: 01=3000K, 08=4000K, 02=6000K,  
04=Red, 03=Green, 06=Blue, 07=Amber

Protection Rating: IP68\_5m

Dimension



Model No.	Lamp	Lumens (lm)	Power(w)	CCT(K)	Beam angle	Voltage
ET8316.01	LED	90	2	3000	30°	24V.DC
ET8316.02	LED	110	2	6000	30°	24V.DC
ET8317.01	LED	64	1	3000	100°	24V.DC
ET8317.02	LED	75	1	6000	100°	24V.DC



LED In-ground light Root P

ET8318.XX 4W, ET8319.XX 3W, ET8320.XX 2W

This range is made of stainless steel front cover ring and die casting alloy housing, completed with Cree high power LED, drove by customized power supply. Optimized heat dissipation. Long lifetime.  
IP68 makes Root P fit to any wet or underwater environment, applied in square, four leaves, green belt or bush where always watered. Precise optical lens, different lighting beam angles.  
SS316 is available and necessary for seaside application. Durable and super small.



ET340

LED In-ground light

Technical Data : Stainless steel housing and front cover ring  
High intensity tempered glass  
Imported silicon rubber ring  
Available Lighting beam angles: 15°, 40°  
In built self-developed driver  
Rugged, corrosion resistant PP recessed can

LED : Cree high power led. ET8318.XX: 1w x3; ET8319.XX: 3w x1  
ET8320.XX: SMD LED x5  
XX: 01=3000K, 08=4000K, 02=6000K,  
04=Red, 05=Green,06=Blue, 07=Amber

Protection Rating: IP68..5m

Dimension



Model No.	Lamp	Power(w)	CCT(K)	Beam angle	Voltage
ET8318.01	LED	270	4	3000 40°	100V~240V
ET8318.02	LED	330	4	6000 40°	100V~240V
ET8319.01	LED	153	3	3000 45°	100V~240V
ET8319.02	LED	180	3	6000 45°	100V~240V
ET8320.01	LED	76	2	3000 100°	100V~240V
ET8320.02	LED	90	2	6000 100°	100V~240V



ET8318.XX



ET8319.XX



ET8320.XX

LED Rectangular in-ground light Root R

ET8430.XX 3W

Root R serves as in-ground floodlight finished with square or rectangular stainless steel front cover and die casting aluminum housing. Uniform and soft lighting distribution.  
8mm thickness tempered glass. Up to 200kg/s max loading at 15km/hours speed. 24V.DC input voltage for public application. <math>45^{\circ}</math> surface temperature allows people walk over it.  
DMX512 digital control system is compatible and used to create various fantastic effects. Widely applied in square, corridor, step, and other places.



ET8430

LED In-ground light

Technical Data : Die casting aluminum housing  
Stainless steel front cover ring  
Quality optical diffuser  
High intensity tempered glass  
Imported silicon rubber ring  
24V.DC input  
Stainless steel screws

LED : SMD LED  
XX: 01=3000K, 08=4000K, 02=6000K,  
04=Red, 05=Green,06=Blue, 07=Amber

Protection Rating: IP67

Dimension



Model No.	Lamp	Power(w)	CCT(K)	Beam angle	Voltage
ET8430.01	LED	3	3000	90°	24V.DC
ET8430.02	LED	3	6000	90°	24V.DC
ET8430.03	LED	3	R.G.B	90°	24V.DC





LED Rectangular in-ground light Root R

ET8440.XX 5W, ET8460.XX 6W

Root R serves as in-ground floodlight finished with square or rectangular stainless steel front cover and die casting aluminum housing. Uniform and soft lighting distribution.  
8mm thickness tempered glass. Up to 200kgs max loading at 15km/hours speed. 24V DC input voltage for public application. <math>45^{\circ}</math> surface temperature allows people walk over it.  
DMX512 digital control system is compatible and used to create various fantastic effects. Widely applied in square, corridor, step, and other places.



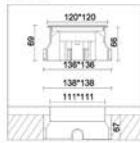
LED In-ground light

Technical Data : Die casting aluminum housing  
Stainless steel front cover ring  
Quality optical diffuser  
High intensity tempered glass  
Imported silicon rubber ring  
24V DC input  
Stainless steel screws

LED : SMD LED  
XX: 01=3000K, 08=4000K, 02=6000K  
04=Red, 05=Green, 06=Blue

Protection Rating : IP67

Dimension



Model No.	Lamp	Power(w)	CCT(K)	Beam angle	Voltage
ET8440.01	LED	5	3000	90°	24V DC
ET8440.02	LED	5	6000	90°	24V DC
ET8440.03	LED	5	R.G.B	90°	24V DC

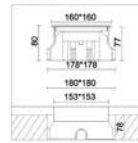
LED In-ground light

Technical Data : Die casting aluminum housing  
Stainless steel front cover ring  
Quality optical diffuser  
High intensity tempered glass  
Imported silicon rubber ring  
24V DC input  
Stainless steel screws

LED : SMD LED  
XX: 01=3000K, 08=4000K, 02=6000K  
04=Red, 05=Green, 06=Blue

Protection Rating : IP67

Dimension



Model No.	Lamp	Power(w)	CCT(K)	Beam angle	Voltage
ET8460.01	LED	6	3000	90°	24V DC
ET8460.02	LED	6	6000	90°	24V DC
ET8460.03	LED	6	R.G.B	90°	24V DC

LED Rectangular in-ground light Root R

ET8510.XX 3W, ET8520.XX 4W, ET8530.XX 6W

Root R serves as in-ground floodlight finished with square or rectangular stainless steel front cover and die casting aluminum housing. Uniform and soft lighting distribution.  
8mm thickness tempered glass. Up to 200kgs max loading at 15km/hours speed. 24V DC input voltage for public application. <math>45^{\circ}</math> surface temperature allows people walk over it.  
DMX512 digital control system is compatible and used to create various fantastic effects. Widely applied in square, corridor, step, and other places.



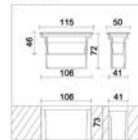
LED In-ground light

Technical Data : Die casting aluminum housing  
Stainless steel front cover ring  
Quality optical diffuser  
High intensity tempered glass  
Imported silicon rubber ring  
24V DC input  
Stainless steel screws

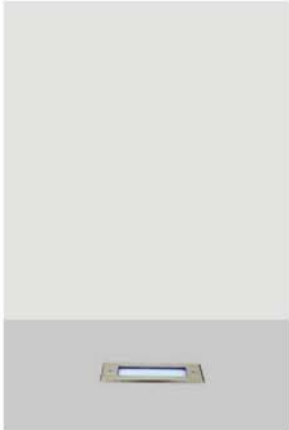
LED : SMD LED  
XX: 01=3000K, 08=4000K, 02=6000K  
04=Red, 05=Green, 06=Blue

Protection Rating : IP67

Dimension



Model No.	Lamp	Power(w)	CCT(K)	Beam angle	Voltage
ET8510.01	LED	3	3000	90°	24V DC
ET8510.02	LED	3	6000	90°	24V DC
ET8510.03	LED	3	R.G.B	90°	24V DC



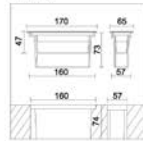
**LED In-ground light**

**Technical Data :** Die casting aluminum housing  
Stainless steel front cover ring  
Quality optical diffuser  
High intensity tempered glass  
Imported silicon rubber ring  
24V DC input  
Stainless steel screws

**LED :** SMD LED  
XX: 01=3000K, 08=4000K, 02=6000K  
04=Red, 05=Green, 06=Blue

**Protection Rating :** IP67

**Dimension**



Model No.	Lamp	Power(w)	CCT(K)	Beam angle	Voltage
ET852001	LED	4	3000	100°	24V DC
ET852002	LED	4	6000	100°	24V DC
ET852003	LED	4	R.G.B	100°	24V DC



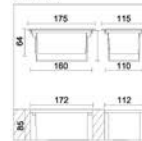
**LED In-ground light**

**Technical Data :** Die casting aluminum housing  
Stainless steel front cover ring  
Quality optical diffuser  
High intensity tempered glass  
Imported silicon rubber ring  
24V DC input  
Stainless steel screws

**LED :** SMD LED  
XX: 01=3000K, 08=4000K, 02=6000K  
04=Red, 05=Green, 06=Blue

**Protection Rating :** IP67

**Dimension**



Model No.	Lamp	Power(w)	CCT(K)	Beam angle	Voltage
ET853001	LED	6	3000	110°	24V DC
ET853002	LED	6	6000	110°	24V DC
ET853003	LED	6	R.G.B	110°	24V DC