



The Erden E8 Foundation is a high-powered, in-ground uplighter that combines technology and performance in a modern form factor. Packed with features including EasyGlow™ and CoolDrive™ thermal management technologies. Available with DALI, 0-10 V dimming or non-dimmable configurations.

Performance

Static White & Color ¹	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
● 2,700 K (80 CRI)	3,090	95	123,600
● 3,000 K (80 CRI)	3,230	99	128,800
○ 3,500 K (80 CRI)	3,360	103	134,100
● 4,000 K (80 CRI)	3,490	107	139,300
● 5,000 K (70 CRI)	3,490	107	139,300

¹ Lumen output values are based on a 6° lens.

Beam Angles	6°, 10°, 15°, 30°, 45°, 60°, 10° x 40°, 40° x 10°, 10° x 60°, 60° x 10°, 20° x 40°, 40° x 20°, 20° x 60°, 60° x 20°
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Products and specifications are subject to change without notice.
LS3082-LS3082_261021

Electrical

Power Consumption	34 W
Lifetime	>179,506 hrs (B10, L90, TM21 Projected)
Input Voltage	International 220 to 240 Vac, 50/60 Hz North America 120/277 Vac, 60 Hz
Thermal Management	CoolDrive™ onboard thermal monitoring and control

Control

Protocols	DALI® 2 (International), 0 to 10 V (North America), Non-Dimmable
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Physical

Housing	Marine-grade 316 stainless steel housing, cover (polished or brushed finish), high-strength glass and teflon-coated cover screws.
Finish	Superior 9-step powder-coating process, including marine-grade epoxy undercoat and polyester top-coat
Installation	Pre-Installation blackout for concrete pour, drive-over and general use applications. Mounting collar for decks and grates. Direct burial for landscapes, planters and special applications.
Mounting Accessories	LS640-K Pre-installation concrete blackout LS640-2 Mounting collar for decks and grates
Adjustable	-5° to +20° tilt, 360° rotation
Ambient Operating Temperature	-40°F to 122°F (-40°C to 50°C)
Surface Temperature	≤149 °F (65 °C)
Weight	15.0 lbs (6.8 kg)
Drive-Over	With OptiClear lens and pre-installation kit (LS640-K)

Certification & Compliance

IP Rating	IP68
IK Rating	IK10
Static Load Rating	9,259 lbs (4,200 kg)
Environment	Dry, Damp, Wet locations Inherently protected Suitable for use in poured concrete
Certifications	cULus, CE, UKCA, RCM

Accessories

Shielding & Glare Control

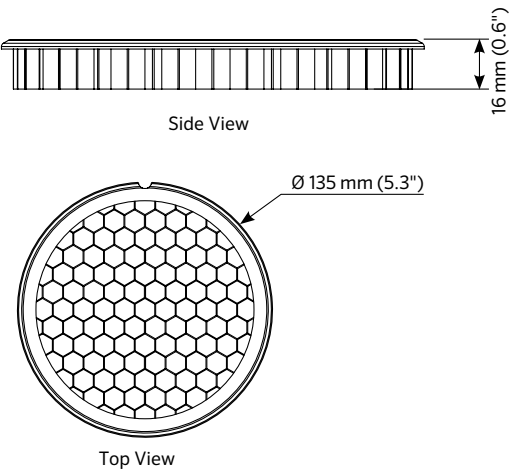
A range of shielding and glare control accessories are available to suit the Erden E8 In-ground.

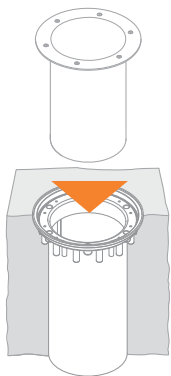


Specification Matrix

LS6235	-	
Degree	Code	
10°	10	
20°	20	
30°	30	
40°	40	

Technical Drawings

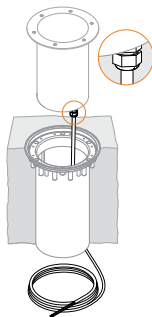




Pre-Installation
This type of installation requires the **LS640-K Pre-Installation Kit** (ordered separately), which acts as a concrete blockout and is intended for installation before the luminaire. This method ensures the luminaire itself is not damaged during concreting or other site works.

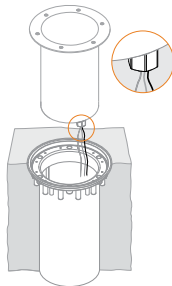
Used for	Drive over applications General use applications Concrete pour applications where luminaire is to be installed after site work has been completed.
Benefits	Easy removal for servicing
Restrictions	Connection Type 82 only available for North American market
Accessories	LS640-K Pre-Installation Blockout

Connection type '84'



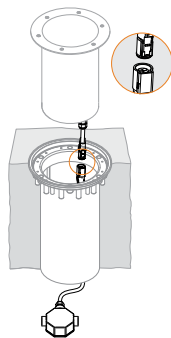
Flexible Cable
For connections to the branch circuit via junction box (by others) or other approved method. 6.5' (2 m) length. For other length options, contact Lumascape.

Connection type '82'
North American market only



½" NPT Adapter
The luminaire is factory-fitted with 6.5' (2.0 m) hookup wire. Ensure terminations can be made within this length. For other length options, consult Lumascape.

Connection type '77/87'



IP68 Connector & Junction Box
The luminaire is fitted with an IP68 connector, which attaches directly to the cable supplied with LS640-K without the use of any tools. The cable is 3' (1 m) in length and is supplied with a junction box.

Flush Cover Options

Flush covers for pre-installation use special seals and support bushes to ensure static loads up to 9,259 lbs (4, 200 kg) are properly supported. In order to achieve this drive-over rating, OptiClear™ or GripGlass™ must be used.



Pre-Installation Blockout Round Flush Cover
■ SS316: Polished
■ SS316: Brushed

Specification

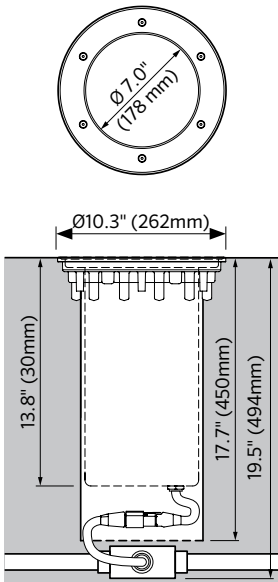
Use the table below to specify your Pre-Installation Blockout.

LS640-K		-			
Connection Type	Code	Input Voltage	Code	Control	Code
Flexible cable, single entry, for hardwired installations (International) or Hookup wire and ½" NPT (82), single entry, for hard wired installations (North America only)	84	220 to 240 Vac, 50/60 Hz (International) 120/277 Vac, 60 Hz (North America)	01 09	DALI (International) 0-10 V (North America)	DL AH
Flexible cable, single entry, for connectorized installations (non-dimming applications only)	87				
Flexible cable, single entry, for connectorized installations	77				

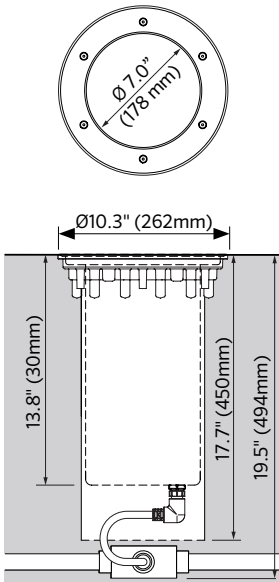
Control code only required for type 77 connection

Technical Drawings – Pre-Installation Kit

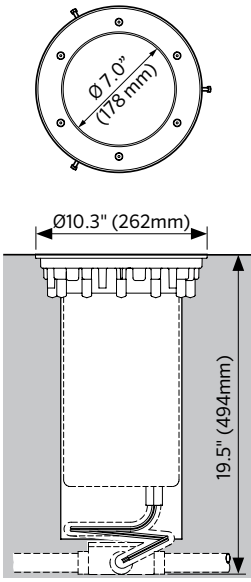
Connection type '77'



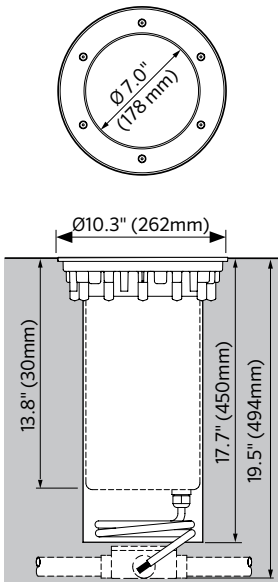
Connection type '87'

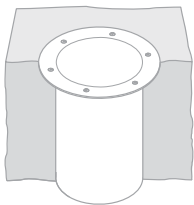


Connection type '82'
North American Market only



Connection type '84'



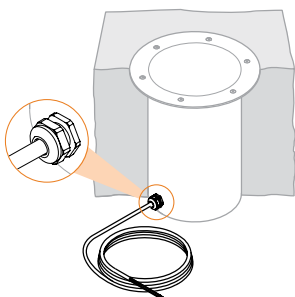


Direct Burial

Luminaire is put directly into soil or concrete.

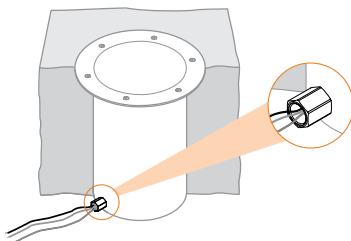
Used for	Landscaping areas Applications where depth is restricted Rate for use in concrete pour applications Economical options
Benefits	Easy removal for servicing
Restrictions	Not as easy to remove for service as pre-installation version Not suitable for drive-over (requires pre-installation kit) Not available with Connection Types '77' or '87' (requires pre-installation kit) Connection Type '82' only available for North American market

Connection type '84'



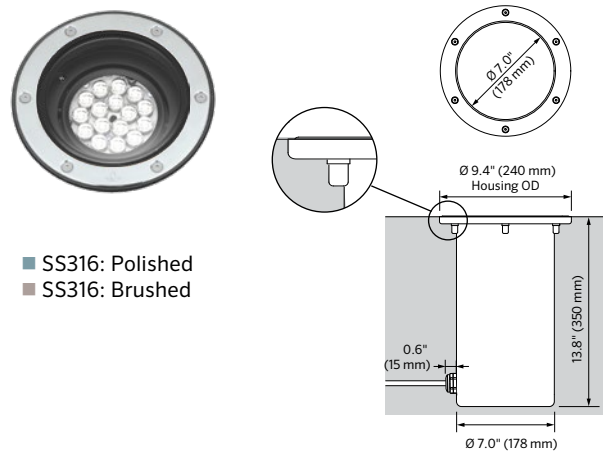
Flexible Cable
For connections to the branch circuit via junction box (by others) or other approved method. 6.5' (2.0 m) length. For other length options, contact Lumascape.

Connection type '82'
North American Market only

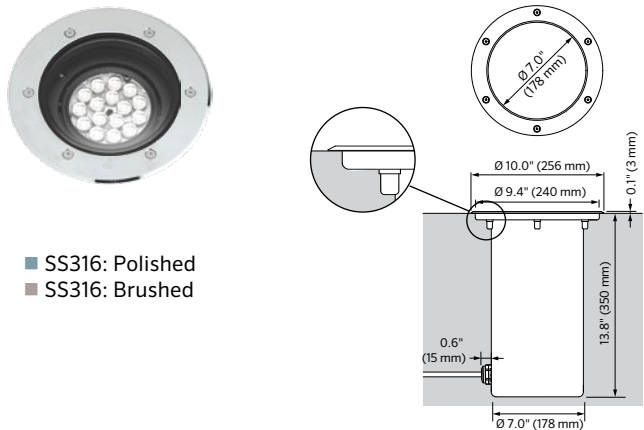


1/2" NPT Adapter
The luminaire is factory-fitted with 6.5' (2.0 m) hookup wire. Ensure terminations can be made within this length. For other length options, contact Lumascape.

Recessed Cover Options
Use recessed cover for installation in soil, grass, pavers and other uneven surfaces where no cover overhang is desired.



Flush Cover Options
Use flush covers for installation in fine finished surfaces such as granite and marble. They can also be used in some suspended applications. The flush cover will conceal gaps between the luminaire and the surrounding surface.



Pre-Installation Specification Matrix

LS3082	-	34D							24	Q		
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Power Consumption	Code
34 W	34D

Static White & Color	Code
2,700 K (80 CRI)	827
3,000 K (80 CRI)	830
3,500 K (80 CRI)	835
4,000 K (80 CRI)	840
5,000 K (70 CRI)	750

Lens	Code
OptiClear™	A
GripGlass™	G

Cover	Code
Stainless steel, polished	M
Stainless steel, brushed	N

Connection Type	Code
Flexible cable, single entry, for hardwired installations	84
Hookup wire and ½" NPT, single entry, for hard wired installations (North America only)	82
Flexible cable, single entry, for connectorized installations.	77
Flexible cable, single entry, for connectorized installations (non-dimming applications only)	87

Beam Angles	Code
6°	VN
10°	NR
15°	NM
30°	ME
45°	WD
60°	WF
60° x 10°	LH
10° x 60°	LV
40° x 10°	NH
10° x 40°	NV
40° x 20°	MH
20° x 40°	MV
60° x 20°	WH
20° x 60°	WV

Housing Depth	Code
Preinstall Blockout 17.7" [450 mm]	24
Mounting Collar 13.8" [350 mm] (International)	24

Cable Entry	Code
Bottom	Q

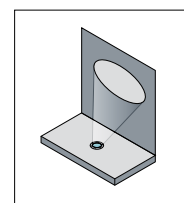
Input Voltage	Code
220 to 240 Vac, 50/60 Hz (International)	01
120/277 Vac, 60 Hz (North America)	09

Control	Code
Non-Dimmable	ND
DALI (International)	DL ¹
0-10 V (North America)	AH ²

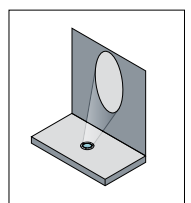
¹ Only for Input Voltage Code 01

² Only for Input Voltage Code 09

¹ Only for Input Voltage Code 01
² Only for Input Voltage Code 09



Beam Orientation for "NH" and "WH"



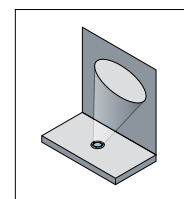
Beam Orientation for "NV" and "WV"

Direct Burial Specification Matrix

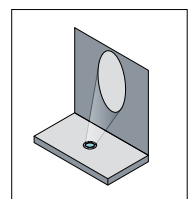
LS3082		-	34D							25	Q		
Power Consumption		Code											
34 W		34D											
Static White & Color		Code											
2,700 K (80 CRI)		827											
3,000 K (80 CRI)		830											
3,500 K (80 CRI)		835											
4,000 K (80 CRI)		840											
5,000 K (70 CRI)		750											
Lens		Code											
OptiClear™		A											
GripGlass™		G											
Cover		Code											
Round recessed, stainless steel, polished		B											
Round recessed, stainless steel, brushed		H											
Round flush, stainless steel, polished		D											
Round flush, stainless steel, brushed		I											
Connection Type		Code											
Flexible cable, single entry, for hardwired installations		84											
Hookup wire and ½" NPT, single entry, for hard wired installations (North America only)		82											
Beam Angles		Code											
6°		VN											
10°		NR											
15°		NM											
30°		ME											
45°		WD											
60°		WF											
60° x 10°		LH											
10° x 60°		LV											
40° x 10°		NH											
10° x 40°		NV											
40° x 20°		MH											
20° x 40°		MV											
60° x 20°		WH											
20° x 60°		WV											
Housing Depth		Code											
Direct Burial 13.8" (350 mm)		25											
Cable Entry		Code											
Bottom		Q											
Input Voltage		Code											
220 to 240 Vac, 50/60 Hz (International)		01											
120/277 Vac, 60 Hz (North America)		09											
Control		Code											
Non-Dimmable		ND											
DALI (International)		DL¹											
0-10 V (North America)		AH²											

¹ Only for Input Voltage Code 01

² Only for Input Voltage Code 09

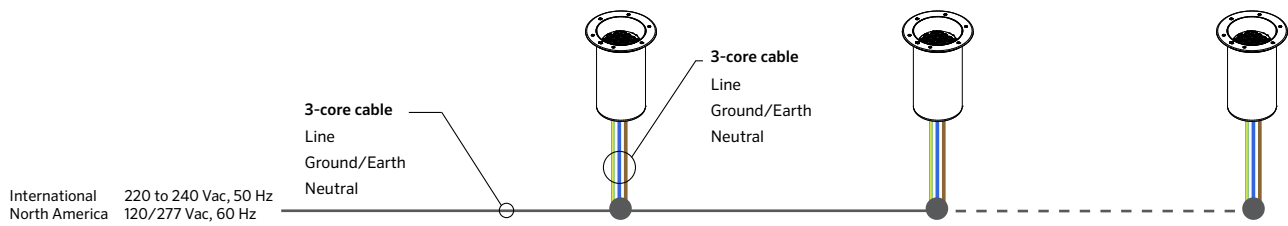


Beam Orientation for "NH" and "WH"

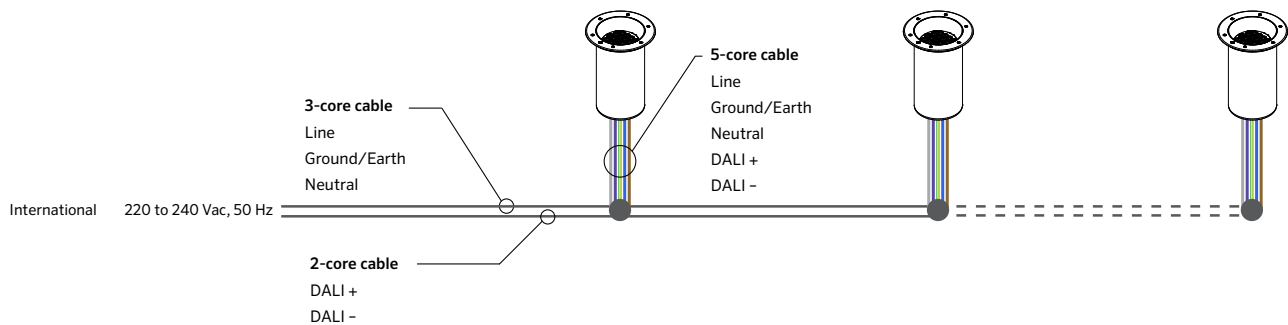


Beam Orientation for "NV" and "WV"

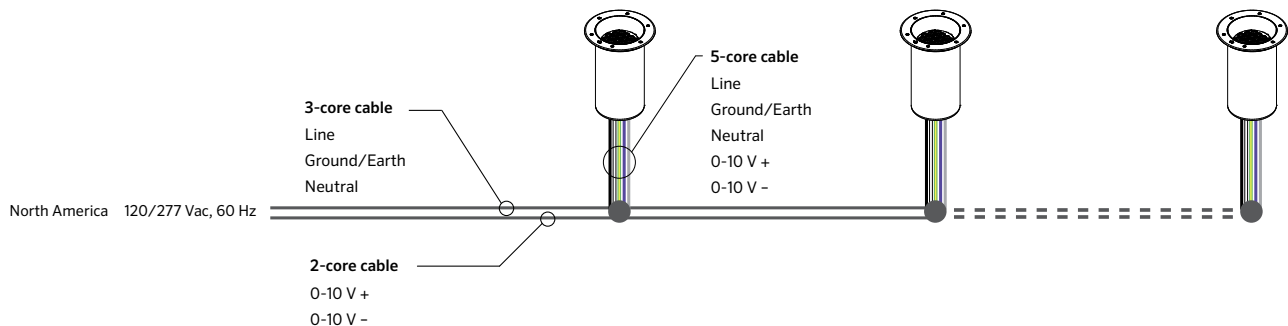
Network Topology – Line Voltage 220 to 240 Vac, 120/277 Vac Non-Dimmable



Network Topology – Line Voltage 220 to 240 Vac DALI



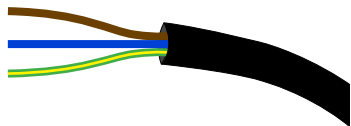
Network Topology – Line Voltage 120/277 Vac 0-10 V



Luminaire Wire Colors & Designations

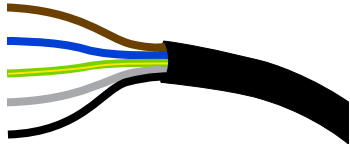
Non-Dimmable Line Voltage 220 to 240 Vac - International

Designation	Color
Line	Brown
Neutral	Blue
Ground/Earth	Green / Yellow



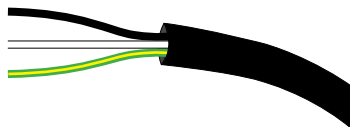
DALI Line Voltage 220 to 240 Vac - International

Designation	Color
Line	Brown
Neutral	Blue
Ground/Earth	Green / Yellow
DALI +	Grey
DALI -	Black



Non-Dimmable Line Voltage 120/277 Vac - North America

Designation	Color
Line	Black
Neutral	White
Ground/Earth	Green / Yellow



0-10 V Line Voltage 120/277 Vac - North America

Designation	Color
Line	Black
Neutral	White
Ground/Earth	Green / Yellow
0-10 V +	Purple
0-10 V -	Pink or Grey

