SNOOP

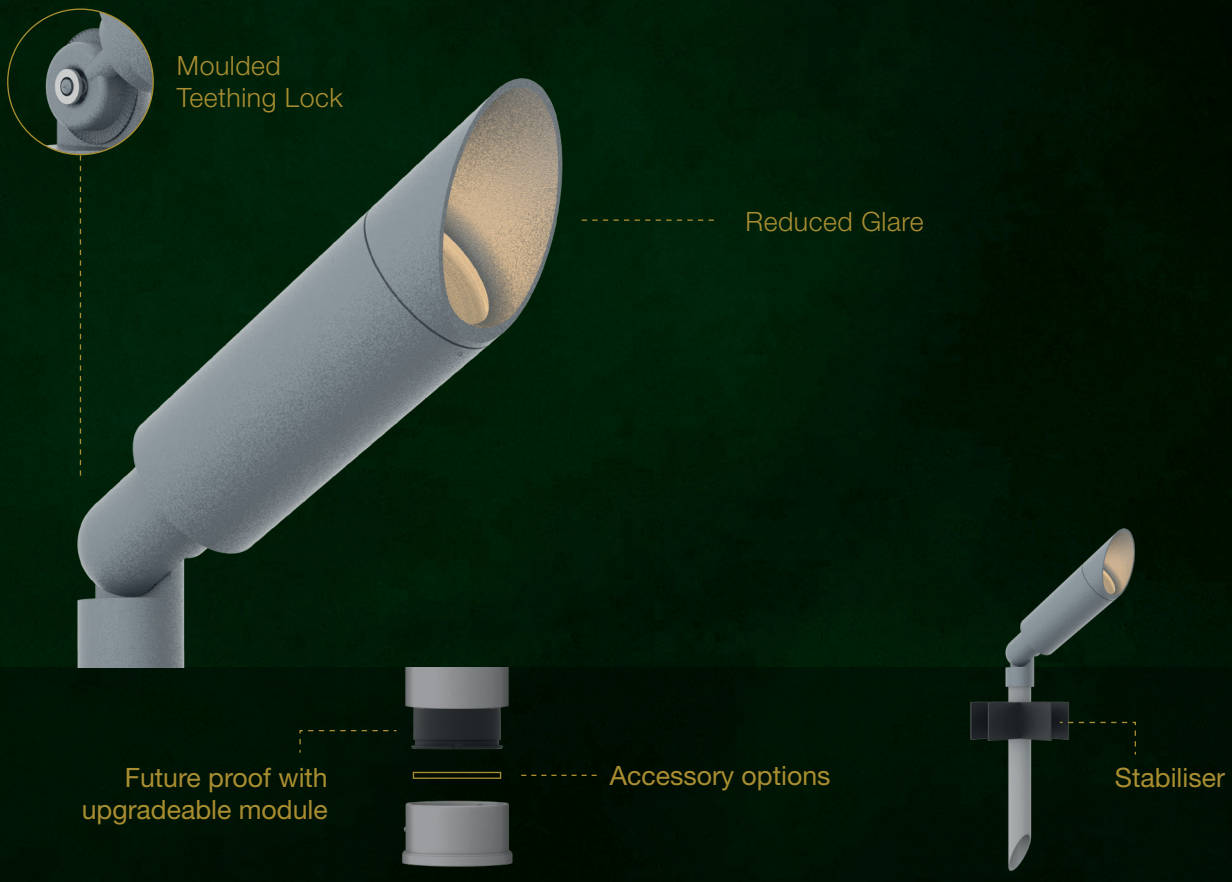
OUTDOOR TREE SPIKE SERIES

A series of landscape luminaires for accent lighting applications particularly to illuminate trees and plants. Incorporating ELR's signature modular concept design, LED modules are fully interchangeable with choices to flexibly illuminate designated areas.

Integral Driver

Constant Current
Single LED module driven by a single LED driver

LED Driver



Fixture Features

IP66 IK08 | Class 2

Module Colour Temperature Variation

ProART | ProART98 | WARM DIM | tuneWHITE | flexiK

Beam Angle

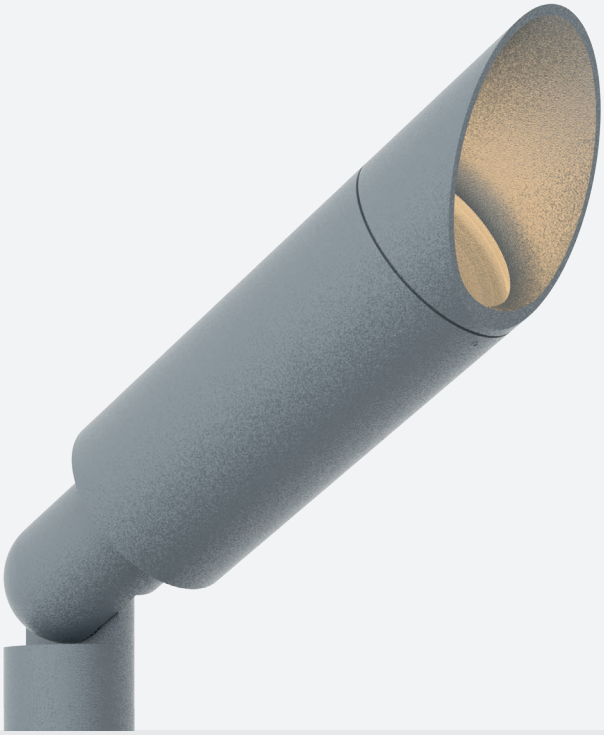
Driver Dimming Variation

(ND) | (PH) | (AN) | (DA)

SNOOP 4 TREE SPIKE

IP 66 IK08

OUTDOOR TREE SPIKE LUMINAIRE



TECHNOLOGY AND FEATURES

ATePS
Advanced Thermal Protection System

ComfyEYE
Low Flicker, No Risk (IEEE 1789)

BEAM
Converging Optical Lens Maximising LOR

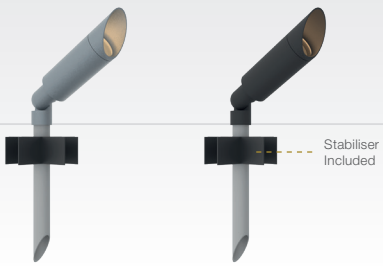
The information above is at nominal values accuracy of +/-7%. For the latest specifications please refer to the website.

AVAILABLE OPTIONS

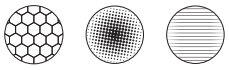
FIXTURE COLOUR OPTIONS

Trim Colour Options

MATT GREY RAL7001 MATT BLACK RAL9011



ACCESSORIES



Honeycomb Anti-Glare Louvre | Soft Lens | Linear Spread Lens

LED MODULE

100PLE / 100CLE / 100CLO

		12°	20°	35°	60°
SINGLE CCT (2700K 3000K 3500K 4000K 5000K ProART ProART98)	100PLE / 100CLE / 100CLO	✓	✓	✓	✓
WARM DIM	100PLE	✓	✓	✓	✓
tuneWHITE	100PLE		✓	✓	✓
flexiK	100PLE		✓	✓	✓

***tuneWHITE and flexiK are recommended to be paired with Soft Lens for better colour mixing effect.*

DRIVER DIMMING

(ND) (PH) (AN) (DA)

Class 2

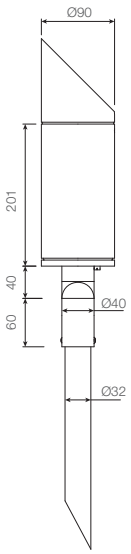
SNOOP 4 TREE SPIKE

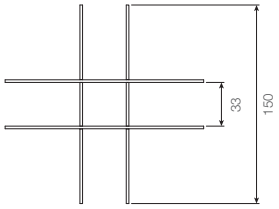
IP 66 IK08

SPECIFICATIONS

FIXTURE	
Family Type	Snoop series
Fixture Colours	Matt grey, matt black
Fixture Materials	Aluminium
Accessories	Honeycomb anti-glare louvre, soft lens, linear spread lens
Ingress Protection	IP66
Safety Class	Class 2
Power Supply Cable	Supplied with 1m cable
LED MODULE & DRIVER	
Compatible LED Modules	100 series LED engines
Lifetime	Up to 50,000 hours L80 lamp life with LM80 tested LED chip packages
Beam Angles	12°, 20°, 35°, 60°
Colour Temperatures	2700K, 3000K, 3500K, 4000K, 5000K, Warm Dim, tuneWHITE, flexiK
CRI	High Efficiency (CRI~85), ProART (CRI~95), ProART98 (CRI~98)
Driver (Dimming)	Non-dim, phase (leading & trailing edge), 0-10V, DALI

DIMENSIONS (MM)



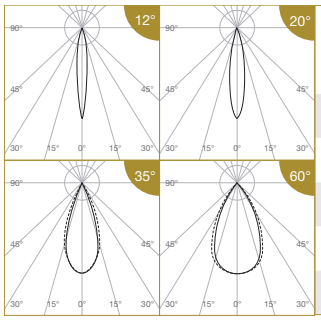


(STABILISER)

SNOOP 4
TREE SPIKE IP 66 IK08

PHOTOMETRICS

100 PLE



Height (m)		Emax (lx)			
		12°	20°	35°	60°
1	E(0°)	13165	10242	5331	2809
2	E(0°)	3291	2561	1333	702
3	E(0°)	1463	1138	592	312
4	E(0°)	823	640	333	176
5	E(0°)	527	410	213	112

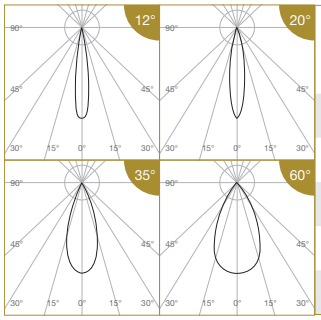
Correction Factor: *100PLE – f = 1.00*
100CLE – f = 0.69
100CLO – f = 0.50

ELR LED Module				100PLE	100CLE	100CLO
LED Power				23W	17W	12W
System Power				28W	21W	15.2W
Luminous Flux (lm)	Type	Beam Angle	CRI			
	Single CCT (3000K)	12°	High Efficiency Ra~85	2490	1710	1245
			ProART Ra~95	2117	1453	1058
			ProART98 Ra~98	1743	1197	872
		20°	High Efficiency Ra~85	2790	1916	1395
			ProART Ra~95	2372	1628	1186
			ProART98 Ra~98	1953	1341	977
		35°	High Efficiency Ra~85	2820	1936	1410
			ProART Ra~95	2397	1646	1199
			ProART98 Ra~98	1974	1355	987
		60°	High Efficiency Ra~85	2790	1916	1395
			ProART Ra~95	2372	1628	1186
			ProART98 Ra~98	1953	1341	977

Data are based on 3000K (ProART CRI~95). Nominal data of 2700K and 3500K are shared with 3000K.
Higher CCT of 4000K and 5000K will have a nominal data value of 5% higher than published. (f = 1.05)
High Efficiency CRI~85 will have a nominal data value of 15% higher than published. (f = 1.17)
ProART98 CRI~98 will have a nominal data value of 18% lower than published. (f = 0.82)

Nominal CRI~85, equals to Ra>80~87, R9>0
Nominal CRI~95, equals to Ra>90~97, R9>50
Nominal CRI~98, equals to Ra>97~99, R9>93

100 PLE WARM DIM



Height (m)		Emax (lx)			
		12°	20°	35°	60°
1	E(0°)	11358	8836	4600	2424
2	E(0°)	2839	2209	1150	606
3	E(0°)	1262	982	511	269
4	E(0°)	710	552	287	151
5	E(0°)	454	353	184	97

ELR LED Module				100PLE
LED Power				23W
System Power				28W
Luminous Flux (lm)	Type	Beam Angle	CRI	
	Warm Dim (3100K)	12°	ProART Ra~95	1826
		20°		2046
		35°		2068
		60°		2046

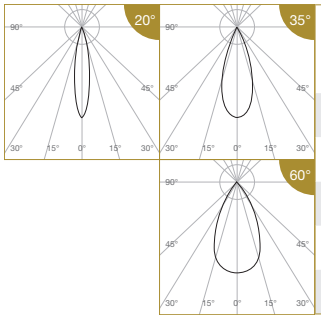
Data are based on maximum output at 3100K.

Nominal CRI~95, equals to Ra>90~97, R9>50

SNOOP 4
TREE SPIKE IP 66 IK08

PHOTOMETRICS

100 PLE tuneWHITE/flexiK



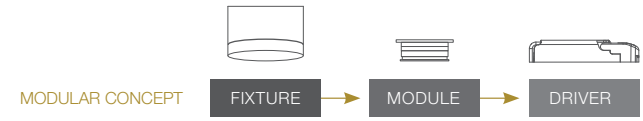
Height (m)		Emax (lx)		
		20°	35°	60°
1	E(0°)	7632	3972	2093
2	E(0°)	1908	993	523
3	E(0°)	848	441	233
4	E(0°)	477	248	131
5	E(0°)	305	159	84

ELR LED Module			100PLE
LED Power			23W
System Power			28W
Luminous Flux (lm)	Type	Beam Angle	CRI	
	tuneWHITE / flexiK (4000K / 6500K)	20°	ProART Ra~95	1767
		35°		1786
		60°		1767

Data are based on maximum output at highest CCT (4000K / 6500K).
2700K will have a nominal data value of 10% lower than published. (f = 0.90)
1800K will have a nominal data value of 30% lower than published. (f = 0.70)

Nominal CRI~95, equals to Ra>90~97, R9>50

SNOOP 4
TREE SPIKE IP 66 IK08



ORDERING MATRIX CHART

Fixture						
Type	Ingress Protection		Colour		Accessories	
SNOOP-4TS	.____		.____		.____	
	IP66	IP66	**GR**	Matt Grey	**N**	None
			MB	Matt Black	**AGL**	Anti-Glare Louvre
					SL	Soft Lens
					LSL	Linear Spread Lens

Single CCT LED Module								Driver	
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
.____		.____		.____		.____		.____	
ELR100PLE	23W	**12**	12°	**27**	2700K	**HE**	Ra~85	**ND**	Non-Dim
ELR100CLE	17W	**20**	20°	**30**	3000K	**PA**	ProART	**PH**	Phase
ELR100CLO	12W	**35**	35°	**35**	3500K	**PP**	ProART98	**AN**	0-10V
		60	60°	**40**	4000K			**DA**	DALI
				50	5000K				

Warm Dim LED Module								Driver	
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
ELR100PLE	23W	**12**	12°	**WD**	Warm Dim	**PA**	ProART	**PH**	Phase
		20	20°					**AN**	0-10V
		35	35°					**DA**	DALI
		60	60°						

tuneWHITE LED Module								Driver	
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
ELR100PLE	23W	**20**	20°	**TW1831**	tuneWHITE 1800K-3100K	**PA**	ProART	**DA**	DALI
		35	35°	**TW1840**	tuneWHITE 1800K-4000K				
		60	60°	**TW2765**	tuneWHITE 2700K-6500K				

flexiK LED Module								Driver	
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
ELR100PLE	23W	**20**	20°	**FK##**	flexiK	**PA**	ProART	**PH**	Phase
		35	35°					**AN**	0-10V
		60	60°					**DA**	DALI

denotes the first two digits of preferred CCT ranging from 1800K to 6500K by increment of 100K.

example: SNOOP-4TS.IP66.GR.AGL.ELR100CLE.35.27.PA.PH
**Custom RAL colour options available.*