

SNOOP

OUTDOOR SURFACE SERIES

Integral Driver



Constant Current
Single LED module
driven by a single
LED driver



LED
Driver

A series of surface mounted luminaires available in different sizes and output that is suitable for installation in areas without false ceiling. Incorporating ELR's signature modular concept design, LED modules are fully interchangeable with choices to flexibly illuminate designated areas.



----- Reduced Glare



Fixture Features



IP66 IK08



Class 2

Module Colour Temperature Variation



ProART



ProART98



WARM DIM

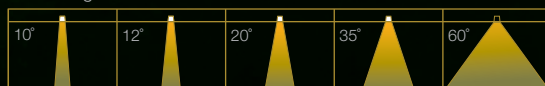


tuneWHITE



flexiK

Beam Angle



Driver Dimming Variation



(ND)



(PH)



(AN)



(DA)

SNOOP 4 SURFACE

IP 66 IK08

OUTDOOR SURFACE MOUNTED LUMINAIRE



TECHNOLOGY AND FEATURES



Advanced Thermal Protection System



Low Flicker,
No Risk
(IEEE 1789)



Converging Optical Lens
Maximising LOR

AVAILABLE OPTIONS

FIXTURE COLOUR OPTIONS	Trim Colour Options	Reflector Colour Options						
		MATT GREY RAL7001	MATT BLACK RAL9011					
	MATT GREY RAL7001							
	MATT BLACK RAL9011							
ACCESSORIES	<p> Honeycomb Anti-Glare Louvre Soft Lens Linear Spread Lens </p>							
LED MODULE	<p>100PLE / 100CLE / 100CLO</p>							
	<p>SINGLE CCT</p> <p>2700K 3000K 3500K 4000K 5000K ProART ProART98</p>		100PLE / 100CLE / 100CLO	✓	✓	✓	✓	
	WARM DIM			100PLE	✓	✓	✓	✓
	tuneWHITE			100PLE	✓	✓	✓	✓
<p><i>**tuneWHITE and flexiK are recommended to be paired with Soft Lens for better colour mixing effect.</i></p>	flexiK							
DRIVER DIMMING	<p> (ND) (PH) (AN) (DA) </p>							



Class 2

SNOOP 4 SURFACE

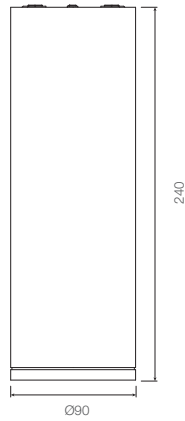
IP 66 IK08

SPECIFICATIONS

FIXTURE

Family Type	Snoop series
Fixture Colours	Matt grey, matt black
Reflector 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

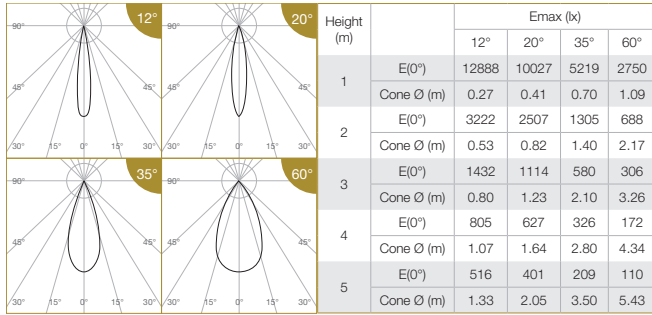
DIMENSIONS (MM)



SNOOP 4 SURFACE IP 66 IK08

PHOTOMETRICS

100 PLE



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

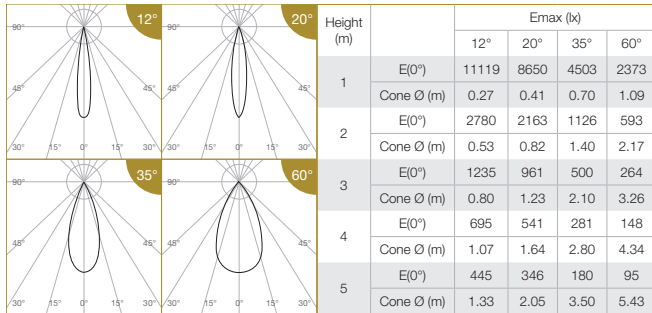
Height (m)		Emax (lx)			
		12°	20°	35°	60°
1	E(0°)	12888	10027	5219	2750
	Cone Ø (m)	0.27	0.41	0.70	1.09
2	E(0°)	3222	2507	1305	688
	Cone Ø (m)	0.53	0.82	1.40	2.17
3	E(0°)	1432	1114	580	306
	Cone Ø (m)	0.80	1.23	2.10	3.26
4	E(0°)	805	627	326	172
	Cone Ø (m)	1.07	1.64	2.80	4.34
5	E(0°)	516	401	209	110
	Cone Ø (m)	1.33	2.05	3.50	5.43

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	2820	1936	1410
				ProART Ra-95	2397	1646	1199
				ProART98 Ra-98	1974	1355	987
		35°	High Efficiency Ra-85	2880	1978	1440	
			ProART Ra-95	2448	1681	1224	
			ProART98 Ra-98	2016	1384	1008	
		60°	High Efficiency Ra-85	2880	1978	1440	
ProART Ra-95	2448		1681	1224			
ProART98 Ra-98	2016		1384	1008			

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°)	11119	8650	4503	2373
	Cone Ø (m)	0.27	0.41	0.70	1.09
2	E(0°)	2780	2163	1126	593
	Cone Ø (m)	0.53	0.82	1.40	2.17
3	E(0°)	1235	961	500	264
	Cone Ø (m)	0.80	1.23	2.10	3.26
4	E(0°)	695	541	281	148
	Cone Ø (m)	1.07	1.64	2.80	4.34
5	E(0°)	445	346	180	95
	Cone Ø (m)	1.33	2.05	3.50	5.43

ELR LED Module				100PLE	
LED Power				23W	
System Power				28W	
Luminous Flux (lm)	Type	Beam Angle	CRI		
		Warm Dim (3100K)	ProART Ra-95	12°	1826
				20°	2068
				35°	2112
				60°	2112

Data are based on maximum output at 3100K
Nominal CRI-95, equals to Ra>90-97, R9>50

SNOOP 4 SURFACE IP 66 IK08

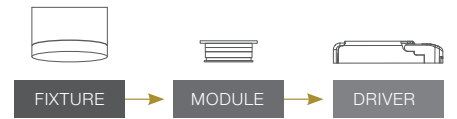
PHOTOMETRICS

100 PLE tuneWHITE/flexiK

Height (m)		Emax (lx)			ELR LED Module				100PLE
		20°	35°	60°	LED Power		System Power		
1	E(0°)	7471	3889	2049					23W
	Cone Ø (m)	0.41	0.70	1.09					28W
2	E(0°)	1868	972	512	Luminous Flux (lm)	Type	Beam Angle	CRI	
	Cone Ø (m)	0.82	1.40	2.17					
3	E(0°)	830	432	228					
	Cone Ø (m)	1.23	2.10	3.26		35°			
4	E(0°)	467	243	128		60°	1824		
	Cone Ø (m)	1.64	2.80	4.34					
5	E(0°)	299	156	82	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				
	Cone Ø (m)	2.05	3.50	5.43					

SNOOP 4 SURFACE 66 IK08

MODULAR CONCEPT



ORDERING MATRIX CHART

Fixture							
Type	Ingress Protection		Colour		Reflector Colour		Accessories
SNOOP-4SM	IP66	IP66	GR	Matt Grey	GR	Matt Grey	N None
			MB	Matt Black	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-4SM.IP66.GR.GR.AGL.ELR100PLE.35.27.PA.PH

*Custom RAL colour options available.