

# SNOOP

## SURFACE SERIES

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.



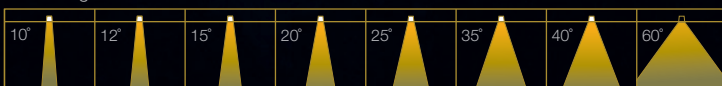
Reduced Glare



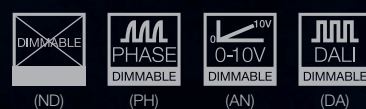
### Module Colour Temperature Variation



### Beam Angle



### Driver Dimming Variation



# SNOOP 4 SURFACE

SURFACE MOUNTED LUMINAIRE



#SURFACE

## TECHNOLOGY AND FEATURES



Advanced Thermal Protection System



Low Flicker, No Risk (IEEE 1789)



Converging Optical Lens Maximising LOR

## AVAILABLE OPTIONS

<b>FIXTURE COLOUR OPTIONS</b>	<b>Trim Colour Options</b>	<b>Reflector Colour Options</b>				
	MATT WHITE RAL9003  MATT BLACK RAL9011	MATT WHITE RAL9003	MATT BLACK RAL9011	WHITE / BLACK	CHROME BLACK	CHROME GOLD
<b>ACCESSORIES</b>	<p>                     Honeycomb Anti-Glare Louvre    Soft Lens    Linear Spread Lens                 </p>					
<b>LED MODULE</b>	<p>100PLE / 100CLE / 100CLO</p>					
	SINGLE CCT 	100PLE / 100CLE / 100CLO	✓	✓	✓	✓
	WARM DIM 	100PLE	✓	✓	✓	✓
	tuneWHITE   flexiK 	100PLE	✓	✓	✓	✓
<b>DRIVER DIMMING</b>	<p>                     (ND)    (PH)    (AN)    (DA)                 </p>					

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



# SNOOP 4 SURFACE

## SPECIFICATIONS

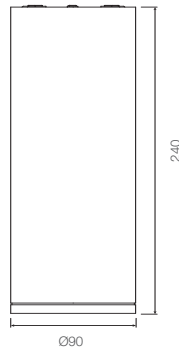
### FIXTURE

Family Type	Snoop series
Fixture Colours	Matt white, matt black
Reflector Colours	Matt white, matt black, matt white / matt black, chrome black, chrome gold
Fixture Materials	Aluminium
Accessories	Honeycomb anti-glare louvre, soft lens, linear spread lens
Ingress Protection	IP40

### 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

## PHOTOMETRICS

### 100 PLE

Height (m)		E <sub>max</sub> (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

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		
		20°	High Efficiency Ra-85	2820		
				1936		
				1410		
			ProART Ra-95	2397		
1646						
1199						
35°	High Efficiency Ra-85	1974				
		1355				
		987				
	ProART Ra-95	2880				
		1978				
		1440				
60°	High Efficiency Ra-85	2448				
		1681				
		1224				
	ProART Ra-95	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 8% lower than published. (f = 0.92)

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)		E <sub>max</sub> (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

## PHOTOMETRICS

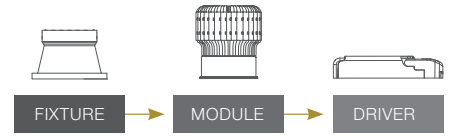
100PLE tuneWHITE/flexiK

Height (m)		Emax (lx)			ELR LED Module				100PLE
		20°	35°	60°	LED Power		System Power		23W
1	E(0°)	7471	3889	2049					28W
	Cone Ø (m)	0.41	0.70	1.09	Luminous Flux (lm)		Type	Beam Angle	
2	E(0°)	1868	972	512			tuneWHITE / flexiK (4000K / 6500K)	20°	ProART Ra-95
	Cone Ø (m)	0.82	1.40	2.17	35°				
3	E(0°)	830	432	228	60°	1786			
	Cone Ø (m)	1.23	2.10	3.26					
4	E(0°)	467	243	128					
	Cone Ø (m)	1.64	2.80	4.34					
5	E(0°)	299	156	82					
	Cone Ø (m)	2.05	3.50	5.43					

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 SURFACE

MODULAR CONCEPT



## ORDERING MATRIX CHART

Fixture					
Type	Colour		Reflector Colour		Accessories
<b>SNOOP-4SM</b>	<b>WH</b>	Matt White	<b>WH</b>	Matt White	<b>N</b> None
	<b>MB</b>	Matt Black	<b>MB</b>	Matt Black	<b>AGL</b> Anti-Glare Louvre
			<b>WB</b>	White/Black	<b>SL</b> Soft Lens
			<b>CB</b>	Chrome Black	<b>LSL</b> Linear Spread Lens
			<b>CG</b>	Chrome Gold	

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

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

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

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

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

example: SNOOP-4SM.WH.WH.AGL.ELR100PLE.35.27.PA.PH

\*Custom RAL colour options available.