

# 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.



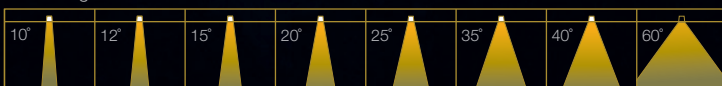
Reduced Glare



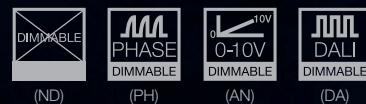
### Module Colour Temperature Variation



### Beam Angle



### Driver Dimming Variation



# SNOOP 2 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>	Honeycomb Anti-Glare Louvre Soft Lens Linear Spread Lens					
<b>LED MODULE</b>	20C					
	SINGLE CCT 2700K 3000K 3500K 4000K 5000K ProART ProART98	20C	✓	✓	✓	
	WARM DIM 	20C				
	tuneWHITE 		✓	✓		
flexiK 						
<b>DRIVER DIMMING</b>						

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



# SNOOP 2 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	20 series LED modules
Lifetime	Up to 50,000 hours L80 lamp life with LM80 tested LED chip packages
Beam Angles	15°, 25°, 40°
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

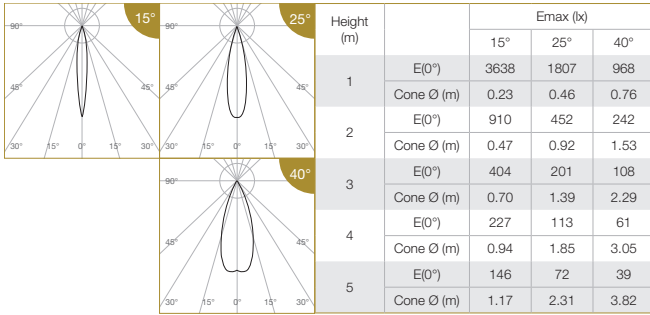
## DIMENSIONS (MM)



# SNOOP 2 SURFACE

## PHOTOMETRICS

### 20 CLASSIC



Correction Factor: 20C - f = 1.00  
20C-24CV - f = 0.79

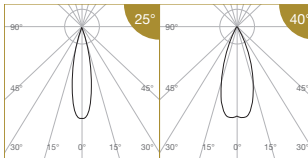
Height (m)		Emax (lx)		
		15°	25°	40°
1	E(0°)	3638	1807	968
	Cone Ø (m)	0.23	0.46	0.76
2	E(0°)	910	452	242
	Cone Ø (m)	0.47	0.92	1.53
3	E(0°)	404	201	108
	Cone Ø (m)	0.70	1.39	2.29
4	E(0°)	227	113	61
	Cone Ø (m)	0.94	1.85	3.05
5	E(0°)	146	72	39
	Cone Ø (m)	1.17	2.31	3.82

ELR LED Module				20C	
LED Power				6.2W	
System Power				8.3W	
Luminous Flux (lm)	Single CCT (3000K)	15°	Type	CRI	
			High Efficiency Ra-85	607	
			ProART Ra-95	516	
		ProART98 Ra-98	425		
		25°	High Efficiency Ra-85	614	
			ProART Ra-95	522	
	ProART98 Ra-98		430		
	40°	High Efficiency Ra-85	620		
		ProART Ra-95	527		
		ProART98 Ra-98	434		
	Input Power (24CV)				6.2W
	Luminous Flux (lm)	24CV Single CCT (3000K)	15°	Type	CRI
High Efficiency Ra-85				478	
ProART Ra-95				407	
ProART98 Ra-98			335		
25°			High Efficiency Ra-85	484	
			ProART Ra-95	411	
		ProART98 Ra-98	339		
40°		High Efficiency Ra-85	489		
		ProART Ra-95	415		
		ProART98 Ra-98	342		

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-85, equals to Ra>90-97, R9>50  
Nominal CRI-98, equals to Ra>97-99, R9>93

### 20 CLASSIC WARM DIM



Height (m)		Emax (lx)	
		25°	40°
1	E(0°)	1997	1070
	Cone Ø (m)	0.46	0.76
2	E(0°)	499	268
	Cone Ø (m)	0.92	1.53
3	E(0°)	222	119
	Cone Ø (m)	1.39	2.29
4	E(0°)	125	67
	Cone Ø (m)	1.85	3.05
5	E(0°)	80	43
	Cone Ø (m)	2.31	3.82

ELR LED Module				20C
LED Power				6.2W
System Power				8.3W
Luminous Flux (lm)	Warm Dim (3100K)	25°	Type	CRI
			ProART Ra-95	577
	40°	ProART Ra-95	583	

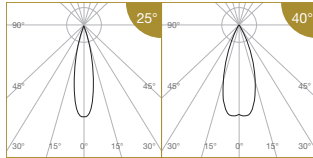
Data are based on maximum output at 3100K  
Nominal CRI-95, equals to Ra>90-97, R9>50

# SNOOP 2 SURFACE

PHOTOMETRICS



20 CLASSIC tuneWHITE/flexiK



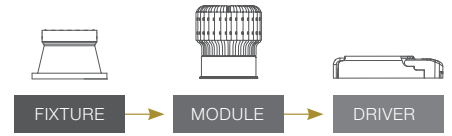
Height (m)		Emax (lx)		
		20°	35°	60°
1	E(0°)	2496	1468	568
	Cone Ø (m)	0.34	0.60	1.15
2	E(0°)	624	367	142
	Cone Ø (m)	0.68	1.19	2.30
3	E(0°)	277	163	63
	Cone Ø (m)	1.03	1.79	3.45
4	E(0°)	156	92	35
	Cone Ø (m)	1.37	2.38	4.60
5	E(0°)	100	59	23
	Cone Ø (m)	1.71	2.98	5.75

ELR LED Module				20C
LED Power				6.2W
System Power				8.3W
Luminous Flux (lm)	Type	Beam Angle	CRI	
	tuneWHITE / flexiK (4000K / 6500K)	25°	ProART Ra-95	470
	40°	475		

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 2 SURFACE

MODULAR CONCEPT



## ORDERING MATRIX CHART

Fixture					
Type	Colour		Reflector Colour		Accessories
<b>SNOOP-2SM</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>ELR20C</b>	6.2W	<b>15</b>	15°	<b>27</b>	2700K	<b>HE</b>	Ra~85	<b>ND</b>	Non-Dim			
			25°		3000K		<b>PA</b>		ProART	<b>PH</b>	Phase	
			40°		3500K		<b>PP</b>		ProART98	<b>AN</b>	0-10V	
					4000K						<b>DA</b>	DALI
					5000K							
<b>ELR20C-24CV</b>	6.2W	<b>15</b>	15°	<b>27</b>	2700K	<b>HE</b>	Ra~85					
			25°		3000K		<b>PA</b>		ProART			
			40°		3500K		<b>PP</b>		ProART98			
					4000K							
					5000K							

\*Drivers for 24CV LED modules are sold separately.

Warm Dim LED Module								Driver		
LED Power		Beam Angle		Colour Temp		CRI		Dimming		
<b>ELR20C</b>	6.2W	<b>25</b>	25°	<b>WD</b>	Warm Dim	<b>PA</b>	ProART	<b>PH</b>	Phase	
			40°						<b>AN</b>	0-10V
										<b>DA</b>

tuneWHITE LED Module								Driver	
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
<b>ELR20C</b>	6.2W	<b>25</b>	25°	<b>TW1831</b>	tuneWHITE 1800K-3100K	<b>PA</b>	ProART	<b>DA</b>	DALI
			40°		<b>TW1840</b>				tuneWHITE 1800K-4000K
					<b>TW2765</b>				tuneWHITE 2700K-6500K

flexiK LED Module								Driver		
LED Power		Beam Angle		Colour Temp		CRI		Dimming		
<b>ELR20C</b>	6.2W	<b>25</b>	25°	<b>FK##</b>	flexiK	<b>PA</b>	ProART	<b>PH</b>	Phase	
			40°						<b>AN</b>	0-10V
										<b>DA</b>

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

example: SNOOP-2SM.WH.WH.AGL.ELR20C.15.30.PA.PH

\*Custom RAL colour options available.