

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.



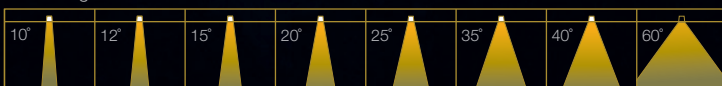
Reduced Glare



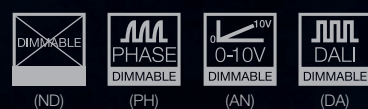
Module Colour Temperature Variation



Beam Angle



Driver Dimming Variation



SNOOP 3 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

| FIXTURE COLOUR OPTIONS | Trim Colour Options | Reflector Colour Options | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---------------------------------|--------------------|---------------|--------------|-------------|-----|-----|-----|-----|-----------|---|---|---|---|-----------------|---|--|--|--|----------------------|---|---|---|---|-----------------|--|---|---|---|--------------|--|--|--|--|
| | MATT WHITE RAL9003 MATT BLACK RAL9011 | MATT WHITE RAL9003 | MATT BLACK RAL9011 | WHITE / BLACK | CHROME BLACK | CHROME GOLD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACCESSORIES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Honeycomb Anti-Glare Louvre Soft Lens Linear Spread Lens MR16 Holder GU10 Holder | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LED MODULE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SINGLE CCT: 2700K, 3000K, 3500K, 4000K, 5000K ProART, ProART98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | WARM DIM: 50N / 35N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | tuneWHITE: 50N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | flexiK: 50N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <i>**tuneWHITE and flexiK are recommended to be paired with Soft Lens for better colour mixing effect.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th></th> <th>10°</th> <th>20°</th> <th>35°</th> <th>60°</th> </tr> </thead> <tbody> <tr> <td>50N / 35N</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>50N-HI / 35N-HI</td> <td>✓</td> <td></td> <td></td> <td></td> </tr> <tr> <td>50N / 35N (WARM DIM)</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>50N (tuneWHITE)</td> <td></td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>50N (flexiK)</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | | 10° | 20° | 35° | 60° | 50N / 35N | ✓ | ✓ | ✓ | ✓ | 50N-HI / 35N-HI | ✓ | | | | 50N / 35N (WARM DIM) | ✓ | ✓ | ✓ | ✓ | 50N (tuneWHITE) | | ✓ | ✓ | ✓ | 50N (flexiK) | | | | |
| | 10° | 20° | 35° | 60° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50N / 35N | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50N-HI / 35N-HI | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50N / 35N (WARM DIM) | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50N (tuneWHITE) | | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50N (flexiK) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRIVER DIMMING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | (ND) (PH) (AN) (DA) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



SNOOP 3 SURFACE

SPECIFICATIONS

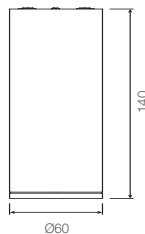
FIXTURE

| | |
|--------------------|--|
| 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 | 50 and 35 NEST series LED modules or MR16/GU10 |
| Lifetime | Up to 50,000 hours L80 lamp life with LM80 tested LED chip packages |
| Beam Angles | 10°, 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 3 SURFACE

PHOTOMETRICS

50 NEST

| Height (m) | | E _{max} (lx) | | | |
|------------|------------|-----------------------|------|------|------|
| | | 10° | 20° | 35° | 60° |
| 1 | E(0°) | 4723 | 3357 | 1974 | 763 |
| | Cone Ø (m) | 0.19 | 0.34 | 0.60 | 1.15 |
| 2 | E(0°) | 1181 | 839 | 494 | 191 |
| | Cone Ø (m) | 0.38 | 0.68 | 1.19 | 2.30 |
| 3 | E(0°) | 525 | 373 | 219 | 85 |
| | Cone Ø (m) | 0.57 | 1.03 | 1.79 | 3.45 |
| 4 | E(0°) | 295 | 210 | 123 | 48 |
| | Cone Ø (m) | 0.76 | 1.37 | 2.38 | 4.60 |
| 5 | E(0°) | 189 | 134 | 79 | 31 |
| | Cone Ø (m) | 0.95 | 1.71 | 2.98 | 5.75 |

Correction Factor:
 50N (10°) - f = 1.00 50N (20°, 35°, 60°) - f = 1.00
 35N (10°) - f = 0.73 35N (20°, 35°, 60°) - f = 0.74

| ELR LED Module | | | | 50N | 35N | |
|--------------------|----------------|-----------------------|-----|--------------------|------|-----------------------|
| LED Power | | | | 7.5W | 5.5W | |
| System Power | | | | 10W | 7.5W | |
| Luminous Flux (lm) | Type | Beam Angle | CRI | | | |
| | | | | Single CCT (3000K) | 10° | High Efficiency Ra-85 |
| | ProART Ra-95 | 530 | 388 | | | |
| | ProART98 Ra-98 | 436 | 320 | | | |
| | 20° | High Efficiency Ra-85 | 884 | | | 651 |
| | | ProART Ra-95 | 751 | | | 553 |
| | | ProART98 Ra-98 | 618 | | | 456 |
| | 35° | High Efficiency Ra-85 | 893 | | 658 | |
| | | ProART Ra-95 | 760 | | 559 | |
| | | ProART98 Ra-98 | 625 | | 461 | |
| | 60° | High Efficiency Ra-85 | 912 | | 672 | |
| | | ProART Ra-95 | 776 | | 571 | |
| ProART98 Ra-98 | 638 | 470 | | | | |

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

50 NEST WARM DIM

| Height (m) | | E _{max} (lx) | | | |
|------------|------------|-----------------------|------|------|------|
| | | 10° | 20° | 35° | 60° |
| 1 | E(0°) | 4043 | 3328 | 1957 | 757 |
| | Cone Ø (m) | 0.27 | 0.34 | 0.60 | 1.15 |
| 2 | E(0°) | 1011 | 832 | 489 | 189 |
| | Cone Ø (m) | 0.53 | 0.68 | 1.19 | 2.30 |
| 3 | E(0°) | 449 | 370 | 217 | 84 |
| | Cone Ø (m) | 0.80 | 1.03 | 1.79 | 3.45 |
| 4 | E(0°) | 253 | 208 | 122 | 47 |
| | Cone Ø (m) | 1.07 | 1.37 | 2.38 | 4.60 |
| 5 | E(0°) | 162 | 133 | 78 | 30 |
| | Cone Ø (m) | 1.33 | 1.71 | 2.98 | 5.75 |

Correction Factor:
 50N WD - f = 1.00
 35N WD - f = 0.74

| ELR LED Module | | | | 50N | 35N |
|--------------------|------|------------|-----|------------------|--------------|
| LED Power | | | | 7.5W | 5.5W |
| System Power | | | | 10W | 7.5W |
| Luminous Flux (lm) | Type | Beam Angle | CRI | | |
| | | | | Warm Dim (3100K) | ProART Ra-95 |
| | 20° | 744 | 549 | | |
| | 35° | 752 | 555 | | |
| | 60° | 768 | 566 | | |

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

SNOOP 3 SURFACE

PHOTOMETRICS

50 NEST tuneWHITE/flexiK

| Height (m) | | Emax (lx) | | | ELR LED Module | | | | 50N |
|------------|------------|-----------|------|------|----------------|--|--------------|--|--------------------|
| | | 20° | 35° | 60° | LED Power | | System Power | | Luminous Flux (lm) |
| 1 | E(0°) | 2496 | 1468 | 568 | 7.5W | | 10W | | |
| | Cone Ø (m) | 0.34 | 0.60 | 1.15 | | | | | |
| 2 | E(0°) | 624 | 367 | 142 | | | | | 564 |
| | Cone Ø (m) | 0.68 | 1.19 | 2.30 | | | | | |
| 3 | E(0°) | 277 | 163 | 63 | | | | | 576 |
| | 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 | | | | | |

*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*

50 NEST HIGH INTENSITY

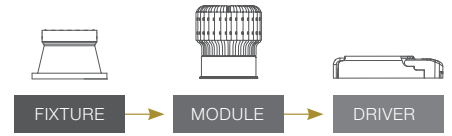
| Height (m) | | Emax (lx) | | ELR LED Module | | | | 50N-HI | 35N-HI |
|------------|------------|-----------|-------|----------------|--|--------------|--|--------------------|--------|
| | | 10° | 10° | LED Power | | System Power | | Luminous Flux (lm) | 50N-HI |
| 1 | E(0°) | 10197 | 10197 | 7.5W | | 10W | | | |
| | Cone Ø (m) | 0.19 | 0.19 | | | | | | |
| 2 | E(0°) | 2549 | 2549 | | | | | 469 | 344 |
| | Cone Ø (m) | 0.37 | 0.37 | | | | | | |
| 3 | E(0°) | 1133 | 1133 | | | | | 386 | 284 |
| | Cone Ø (m) | 0.56 | 0.56 | | | | | | |
| 4 | E(0°) | 637 | 637 | | | | | | |
| | Cone Ø (m) | 0.74 | 0.74 | | | | | | |
| 5 | E(0°) | 408 | 408 | | | | | | |
| | Cone Ø (m) | 0.93 | 0.93 | | | | | | |

*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 = 0.82)
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>83*

Correction Factor:
50N-HI - f = 1.00
35N-HI - f = 0.73

SNOOP 3 SURFACE

MODULAR CONCEPT



ORDERING MATRIX CHART

| Fixture | | | | | |
|------------------|-----------|------------|------------------|--------------|-------------------------------|
| Type | Colour | | Reflector Colour | | Accessories |
| SNOOP-3SM | WH | Matt White | WH | Matt White | N None |
| | MB | Matt Black | MB | Matt Black | AGL Anti-Glare Louvre |
| | | | WB | White/Black | SL Soft Lens |
| | | | CB | Chrome Black | LSL Linear Spread Lens |
| | | | CG | Chrome Gold | MR16 MR16 Holder |
| | | | | | GU10 GU10 Holder |

| Single CCT LED Module | | | | | | Driver | | | |
|-----------------------|------|------------|-----|-------------|-------|-----------|--------|------------|---------------------------|
| LED Power | | Beam Angle | | Colour Temp | | CRI | | Dimming | |
| ELR50N | 7.5W | 10 | 10° | 27 | 2700K | HE | Ra~85 | ND | Non-Dim |
| ELR35N | 5.5W | 20 | 20° | 30 | 3000K | PA | ProART | PH | Phase |
| | | 35 | 35° | 35 | 3500K | | | AN | 0-10V |
| | | 60 | 60° | 40 | 4000K | | | DA | DALI |
| | | | | 50 | 5000K | | | LBA | Local Brightness Adjuster |
| ELR50N-HI | 7.5W | NS | 10° | 27 | 2700K | HE | Ra~85 | ND | Non-Dim |
| ELR35N-HI | 5.5W | | | 30 | 3000K | PA | ProART | PH | Phase |
| | | | | 35 | 3500K | | | AN | 0-10V |
| | | | | 40 | 4000K | | | DA | DALI |
| | | | | 50 | 5000K | | | LBA | Local Brightness Adjuster |

| Warm Dim LED Module | | | | | | Driver | | | |
|---------------------|------|------------|-----|-------------|----------|-----------|--------|-----------|-------|
| LED Power | | Beam Angle | | Colour Temp | | CRI | | Dimming | |
| ELR50N | 7.5W | 10 | 10° | WD | Warm Dim | PA | ProART | PH | Phase |
| ELR35N | 5.5W | 20 | 20° | | | | | AN | 0-10V |
| | | 35 | 35° | | | | | DA | DALI |
| | | 60 | 60° | | | | | | |

| tuneWHITE LED Module | | | | | | Driver | | | |
|----------------------|------|------------|-----|---------------|--------------------------|-----------|--------|-----------|------|
| LED Power | | Beam Angle | | Colour Temp | | CRI | | Dimming | |
| ELR50N | 7.5W | 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 | |
| ELR50N | 7.5W | 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-3SM.WH.WH.AGL.ELR50N.35.27.PA.PH

*Custom RAL colour options available.