

20 PRO / 20 CLASSIC

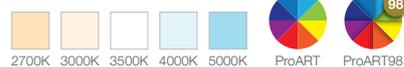
8W / 6.2W LED MODULE



AVAILABLE OPTIONS

LED MODULE

SINGLE CCT



DRIVER DIMMING



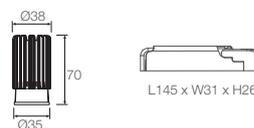
TECHNOLOGY AND FEATURES

Advanced Thermal Protection System

Low Flicker, No Risk (IEEE 1789)

Converging Optical Lens Maximising LOR

DIMENSIONS (MM)



SPECIFICATIONS

| | |
|----------------------------|--|
| Family Type | 20 Series |
| Mains Voltage | 220-240V, 50Hz |
| Typical Operating Voltage | 34V |
| Typical Operating Current | 230mA (20 Pro), 180mA (20 Classic) |
| Colour | Black |
| Installation Compatibility | Compatible with ELR size-2 fixtures or most MR11 fittings. |
| Lifetime | 50,000 hours (80% lumen maintenance at Ta = 25°C), B10 |
| Beam Angles | 15°, 25°, 40° |
| Colour Temperatures | 2700K, 3000K, 3500K, 4000K, 5000K |
| CRI | High Efficiency (CRI~85), ProART (CRI~95), ProART98 (CRI~98) |
| SDCM | 2 step MacAdam ellipse binning |

| | |
|---------------------|---|
| Driver (Dimming) | Non-dim, phase (leading & trailing edge), 0-10V, DALI |
| Mains Connection | Screw terminals for convenient connection |
| Materials | Aluminium, plastic |
| Fire Safety | Glow wire test 850°C, UL94V-0, VW-1 |
| Flammability Mark | F |
| Ingress Protection | IP54 (module only) |
| Safety Class | Class 2 |
| Standards | IEC 62031, IEC 61347-2-13 |
| Regulatory Markings | CE, CB, CCC, RCM, BIS, TIS, SIRIM-ST, RoHS |
| Weight | 80g |

20 PRO SINGLE CCT

| Beam Angle | Height (m) | E(0°) | E _{max} (lx) | | | ELR LED Module | | | Luminous Flux (lm) | | | | | | | | | | |
|------------|------------|------------|-----------------------|------|------|----------------|-----------------|-----------------|------------------------|-----------------|-----------------|------|------------------------|---------------|-----------------|-----------------|-----|-----|-----|
| | | | 15° | 25° | 40° | Type | LED Power | System Power | CRI | 3000K | | | | | | | | | |
| 15° | 1 | E(0°) | 5333 | 2650 | 1420 | 20 Pro | 8W | 10.5W | High Efficiency CRI~85 | 900 | 900 | 900 | | | | | | | |
| | | Cone Ø (m) | 0.23 | 0.45 | 0.72 | | | | | 765 | 765 | 765 | | | | | | | |
| 25° | 2 | E(0°) | 1333 | 662 | 355 | | | | | 20 Classic | 6.2W | 8.3W | High Efficiency CRI~85 | 720 | 720 | 720 | | | |
| | | Cone Ø (m) | 0.47 | 0.91 | 1.45 | | | | | | | | | 612 | 612 | 612 | | | |
| 40° | 3 | E(0°) | 593 | 294 | 158 | | | | | | | | | ProART CRI~95 | ProART98 CRI~98 | ProART98 CRI~98 | 630 | 630 | 630 |
| | | Cone Ø (m) | 0.70 | 1.36 | 2.17 | | | | | | | | | | | | 504 | 504 | 504 |
| 15° | 4 | E(0°) | 333 | 166 | 89 | ProART CRI~95 | ProART98 CRI~98 | ProART98 CRI~98 | 612 | | | | | | | | 612 | 612 | |
| | | Cone Ø (m) | 0.94 | 1.82 | 2.90 | | | | 504 | | | | | | | | 504 | 504 | |
| 25° | 5 | E(0°) | 213 | 106 | 57 | | | | ProART98 CRI~98 | ProART98 CRI~98 | ProART98 CRI~98 | 504 | 504 | | | | 504 | | |
| | | Cone Ø (m) | 1.17 | 2.27 | 3.62 | | | | | | | 504 | 504 | | | | 504 | | |

Correction Factor: 20C - f = 0.80

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

ORDERING MATRIX CHART

| LED Module | | | | | | | Driver | |
|------------|------------|-----|-------------|-------|-----|----------|---------|---------|
| LED Power | Beam Angle | | Colour Temp | | CRI | | Dimming | |
| ELR20P | 8W | 15° | 27 | 2700K | HE | Ra~85 | ND | Non-Dim |
| | | | | 3000K | | | | |
| ELR20C | 6.2W | 25° | 30 | 3000K | PA | ProART | PH | Phase |
| | | | | 3500K | | | | |
| | | 40° | 35 | 3500K | PP | ProART98 | AN | 0-10V |
| | | | | 4000K | | | | |
| 50 | 5000K | | | | DA | DALI | | |

example: ELR20P.15.27.PA.DA