

# 100 PLE tuneWHITE

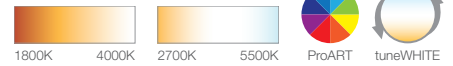
## 23W TUNABLE WHITE LED ENGINE



### AVAILABLE OPTIONS

#### LED MODULE

tuneWHITE



#### DRIVER DIMMING



(DT8)

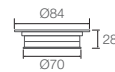
### TECHNOLOGY AND FEATURES

**ATEPS**  
Advanced Thermal Protection System

**ComfyEYE**  
Low Flicker, No Risk (IEEE 1789)

**BEAM**  
Converging Optical Lens Maximising LOR

### DIMENSIONS (MM)



100 CLO: L151 x W43.5 x H32  
100 CLE / 100PLE: L171 x W43.5 x H32

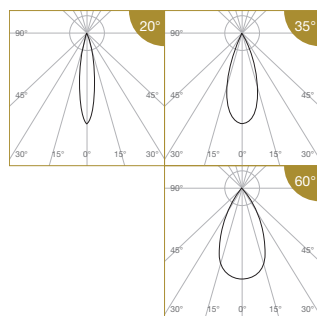
For designated fixtures only and NOT to be operated independently or with downlight fixtures.

SPECIFICATIONS

|                            |  |
|----------------------------|--|
| Family Type                | 100 Series   |
| Mains Voltage              | 220-240V, 50Hz   |
| Typical Operating Voltage  | 34V  |
| Typical Operating Current  | 670mA  |
| Colour                     | Black  |
| Installation Compatibility | Compatible with ELR SNOOP-4 fixture variants           |
| Lifetime                   | 50,000 hours (80% lumen maintenance at Ta = 35°C), B10 |
| Beam Angles                | 20°, 35°, 60°  |
| Colour Temperatures        | tuneWHITE 1800K - 4000K, tuneWHITE 2700K - 5500K       |
| CRI                        | ProART (CRI~95)  |
| SDCM                       | 2 step MacAdam ellipse binning                         |

|                     |  |
|---------------------|--|
| Driver (Dimming)    | DALI device type 8                         |
| Mains Connection    | Screw terminals for convenient connection  |
| Materials           | Aluminium, plastic                         |
| Fire Safety         | Glow wire test 850°C, UL94V-0, WW-1        |
| Flammability Mark   | F  |
| Ingress Protection  | IP40                                       |
| Safety Class        | Class 2                                    |
| Standards           | IEC 62031, IEC 61347-2-13                  |
| Regulatory Markings | CE, CB, CCC, RCM, BIS, TIS, SIRIM-ST, RoHS |
| Weight              | 140g                                       |

100 PLE tuneWHITE



| Height (m) |            | Emax (lx) |      |      |
|------------|------------|-----------|------|------|
|            |            | 20°       | 35°  | 60°  |
| 1          | E(0°)      | 9682      | 5040 | 2656 |
|            | Cone Ø (m) | 0.40      | 0.67 | 1.02 |
| 2          | E(0°)      | 2421      | 1260 | 664  |
|            | Cone Ø (m) | 0.81      | 1.34 | 2.05 |
| 3          | E(0°)      | 1076      | 560  | 295  |
|            | Cone Ø (m) | 1.21      | 2.01 | 3.07 |
| 4          | E(0°)      | 605       | 315  | 166  |
|            | Cone Ø (m) | 1.61      | 2.68 | 4.09 |
| 5          | E(0°)      | 387       | 202  | 106  |
|            | Cone Ø (m) | 2.02      | 3.35 | 5.12 |

| ELR Module |           |              |               | Luminous Flux (lm) |      |      |
|------------|-----------|--------------|---------------|--------------------|------|------|
| Type       | LED Power | System Power | CRI           | 5500K              |      |      |
|            |           |              |               | 20°                | 35°  | 60°  |
| 100 PLE TW | 23W       | 28W          | ProART CRI~95 | 2290               | 2290 | 2290 |

Data are based on maximum output at highest CCT (5500K).  
4000K will have a nominal data value of 5% lower than published.  
2700K will have a nominal data value of 10% lower than published.  
1800K will have a nominal data value of 30% lower than published.  
Nominal CRI~95, equals to Ra>90-97, R9>50

ORDERING MATRIX CHART

| LED Module |            |     |             |                          |     | Driver  |     |          |        |                          |
|------------|------------|-----|-------------|--------------------------|-----|---------|-----|----------|--------|--------------------------|
| LED Power  | Beam Angle |     | Colour Temp |                          | CRI | Dimming |     |          |        |                          |
| ELR100PLE  | 23W        | 20° | TW1840      | tuneWHITE<br>1800K-4000K | PA  | ProART  | DT8 | DALI DT8 |        |                          |
|            |            | 35° |             |                          |     |         |     |          | TW2755 | tuneWHITE<br>2700K-5500K |
|            |            | 60° |             |                          |     |         |     |          |        |                          |

example: ELR100PLE.35.TW2755.PA.DT8