

# 100 PLE tuneWHITE

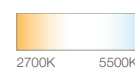
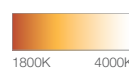
## 23W TUNABLE WHITE LED ENGINE



### AVAILABLE OPTIONS

#### LED MODULE

tuneWHITE



#### DRIVER DIMMING



(DT8)

### TECHNOLOGY AND FEATURES



Advanced Thermal  
Protection System

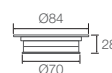


Low Flicker,  
No Risk  
(IEEE 1789)



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
Typical Operating Voltage	34V
Typical Operating Current	670mA
System / Input Power	28W
Colour	Black
Materials	Aluminium, plastic
Compatibility	Compatible with ELR SNOOP-4 and ELR NEBULA-4 fixture variants
Lifetime	50,000 hours (80% lumen maintenance at Ta = 25°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

Ingress Protection	IP54 (LED engine only)
Weight	140g (LED engine), 237g (driver)
Dimming	DALI device type 8
Mains Connection	Screw terminals for convenient connection
Mains Voltage	220-240V, 50Hz
Power Factor	>0.9
Fire Safety	Glow wire test 850°C, UL94V-0, VW-1
Flammability Mark	F
Safety Class	Class 2
Standards	IEC 62031, IEC 61347-2-13
Regulatory Markings	CE, CB, CCC, RCM, BIS, TIS, SIRIM-ST, RoHS

## 100 PLE tuneWHITE

Height (m)		E <sub>max</sub> (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 Engine				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 Engine							
LED Power		Beam Angle		Colour Temp		CRI	
._____		._____		._____		._____	
ELR100PLE.23	23W	20	20°	TW1840	tuneWHITE 1800K-4000K	PA	ProART
		35	35°	TW2755	tuneWHITE 2700K-5500K		
		60	60°				

example: ELR100PLE.35.TW2755.PA

Driver					
Type		Dimming		Output Power	
				Colour Temp	
MP.DRA	Modular Pro ATePS Driver	DT8	DALI DT8	23	23W
				TW1840	tuneWHITE 1800K-4000K
				TW2755	tuneWHITE 2700K-5500K

example: MP.DRA.DT8.23.TW2755

Note: Please ensure that LED Power and Colour Temperature selection of LED module matches the Output Power and Colour Temperature selection of driver when ordering.