

50 CLASSIC / 50 PRO

10W / 12W LED MODULE



- Feather weight construction, ~100 grams
- Class 2 LED module with external LED driver
- >125 lm/W module
- Colour rendering index, Ra~85, ProART Ra~95
- 3 steps MacAdam ellipse binning
- ATePS™ smart thermal dimming to protect LED lifetime*
- ComfyEYE aspect provides high quality uniform and comfort light with low stroboscopic optical flicker less than 5%**
- X-BEAM converging optical lens maximises luminaire light output ratio
- IP40



*ATEPS™ Automated Thermal Protection System is the trademark of ELR.

APPLICATION

- Hotel and galleries
- Offices
- Retail, fashion stores and showroom
- Residential

TECHNOLOGY BENEFITS

- Superior light rendering quality offering balanced white with embedded green and red tone
- Excellent cost savings and quicker ROI
- Quick installation, no costly modification required
- Low maintenance
- Comfort, safety and no glass

AVAILABLE OPTIONS

DRIVER



(ND)

(PH)

(AN)

(DA)

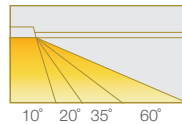
TEMPERATURE



ProART

BEAM ANGLE

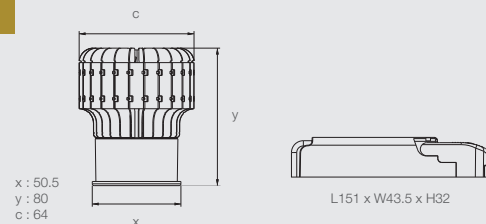
SINGLE CCT
50 CLASSIC / 50 PRO



10° 20° 35° 60°

DIMENSIONS (MM)

*Displayed height measurements are for highest point of fitting.

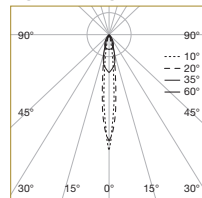


x : 50,5
y : 80
c : 64

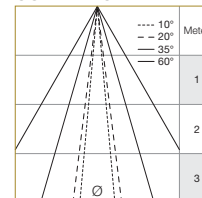
L151 x W43.5 x H32

50 CLASSIC

POLAR DIAGRAM



CONE DIAGRAM

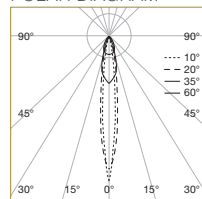


Ø = DIAMETER

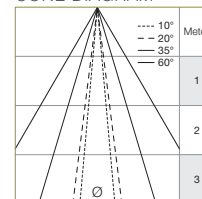
	Emax (lx)			
	10°	20°	35°	60°
E (0°)	8124	7468	3157	1093
Cone DØ (m)	0.19	0.26	0.58	1.15
E (0°)	2031	1867	789	273
Cone DØ (m)	0.37	0.51	1.15	2.31
E (0°)	903	830	351	121
Cone DØ (m)	0.56	0.77	1.73	3.45

50 PRO

POLAR DIAGRAM



CONE DIAGRAM



Ø = DIAMETER

	Emax (lx)			
	10°	20°	35°	60°
E (0°)	10354	9519	3946	1367
Cone DØ (m)	0.19	0.26	0.58	1.15
E (0°)	2589	2380	986	342
Cone DØ (m)	0.38	0.51	1.15	2.31
E (0°)	1150	1058	438	152
Cone DØ (m)	0.57	0.77	1.73	3.45

SYSTEM SPECIFICATIONS

Module	LED Lamp Power	LED System Power	Colour	Beam Angle	STANDARD CRI 85		PROART CRI 95		Driver Options
					Intensity (cd)	Luminous Flux	Intensity (cd)	Luminous Flux	
50 CLASSIC	10W	12.8W	WARM : 2700K WARM : 3000K NATURAL : 3500K NATURAL : 4000K COOL : 5000K	60°	1090	1200	927	1020	ND, PH, DA, AN
				35°	3150	1200	2678	1020	
				20°	7460	1020	6341	867	
				10°	8120	1020	6902	867	
50 PRO	12W	15.2W		60°	1370	1500	1165	1275	
				35°	3950	1500	3358	1275	
				20°	9510	1300	8084	1105	
				10°	10350	1300	8798	1105	

the table information is at nominal values accuracy of +/-7%
nominal CRI ~85, equal to Ra >80-87, R9 > 0
nominal CRI ~95, equal to Ra >90-97, R9 > 50

DETAILS SPECIFICATION

Family Type	50 CLASSIC / 50 PRO Series
Mains Voltage	220-240, 50Hz
Colour options	Black
Installation Compatibility	Compatible with most MR16 type open fittings Optional AR70 and AR111 mounting brackets available
Lifetime	50,000 hours (80% lumen maintenance at Ta = 35C), B10
Dimming	Phase (triac) dimmer, 0-10V, DALI
Mains connection	Loop-in-loop-out terminals for convenient connection
Materials	Aluminium, plastic
Fire safety	Glow wire test 850C, UL94V-0, VW-1
Flammability mark	F
IP Code (Module Only)	IP40
Safety class	Class 2
Accessories	AR70, AR111
Standards	IEC 62031, IEC 61347-2-13
Regulatory markings	CE, CB, RCM
Weight	~ 100g

LED MODULE				DRIVER
LED Power	Beam Angle	Colour Temp	CRI	Dimming
ELR50C 10W	—	—	—	—
ELR50P 12W	10 10°	27 2700K	Standard	ND Non-Dim
	20 20°	30 3000K	PA ProART	PH Phase
	35 35°	35 3500K		AN 0-10V
	60 60°	40 4000K		DA DALI
		50 5000K		

example: ELR50C.10.40.DA