

## 50 PRO

13W LED MODULE



- Feather weight construction, ~80 grams
- Class 2 LED module with external LED driver
- >100 lm/W module
- Colour rendering index, Ra~85, ProART Ra~95
- 3 steps MacAdam ellipse binning
- 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



The information above is at nominal values accuracy of +/-7%.

\*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

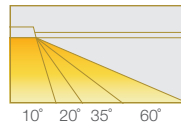


#### TEMPERATURE



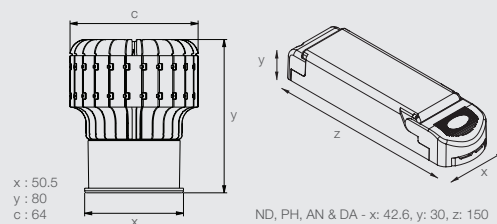
#### BEAM ANGLE

SINGLE CCT  
50 PRO



### DIMENSIONS (MM)

\*Displayed height measurements are for highest point of fitting.

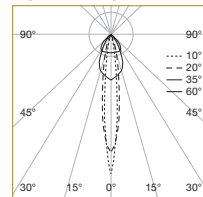


x : 50,5  
y : 80  
c : 64

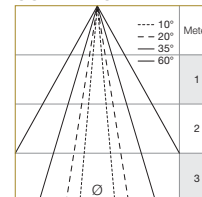
ND, PH, AN & DA - x: 42.6, y: 30, z: 150

### 50 PRO

#### POLAR DIAGRAM



#### CONE DIAGRAM



Ø = DIAMETER

	E <sub>max</sub> (lx)			
	10°	20°	35°	60°
E (0°)	10354	9519	3946	1367
Cone DØ (m)	0.19	0.26	0.58	1.15
E (0°)	2588.5	2379.75	986.5	341.75
Cone DØ (m)	0.38	0.52	1.16	2.30
E (0°)	1150	1058	438	152
Cone DØ (m)	0.57	0.78	1.74	3.45

### SYSTEM SPECIFICATIONS

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	
13W	15W	WARM : 2700K WARM : 3000K NATURAL : 4000K COOL : 5000K	60°	1370	1600	1165	1360	ND, PH, DA, AN
			35°	3950	1600	3358	1360	
			20°	9520	1600	8092	1360	
			10°	10350	1050	8798	893	

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 PRO Series
Mains voltage	100 - 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)
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	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
<b>ELR50P</b> 13W	—	—	—	—
	<b>10</b> 10°	<b>27</b> 2700K	Standard	<b>ND</b> Non-Dim
	<b>20</b> 20°	<b>30</b> 3000K	<b>PA</b> ProART	<b>PH</b> Phase
	<b>35</b> 35°	<b>40</b> 4000K		<b>AN</b> 0-10V
	<b>60</b> 60°	<b>50</b> 5000K		<b>DA</b> DALI

example: ELR50P.12.40.DA