



### KEY FEATURES

- LED downlight alternative for 50W halogen spots/downlights
- Lifetime 50,000 hours
- Integrated LED driver
- Very quick and easy installation
- 3 year Pragmalux Warranty

IP20 IK03  650°GWT  92LM/W   40°

**3** PRAGMALUX  
YEAR  
WARRANTY

### DETAILS



Reflector



Clips

### ACCESSORIES



Junction box  
Included

### SPECIFICATIONS

ITEM CODE	DESCRIPTION	W	LM	LM/W	KELVIN	CRI	INPUT CURRENT	LIFETIME L80B10	EQUIVALENT	BEAM ANGLE
4600598	LED Spotlight Essence 6.5W 3000K 40° Ø85mm Cutout Ø68-75mm 40° Tilttable White	6.5	550	85	3000	≥80	0.06	30000	50W Hal	40°
4600604	LED Spotlight Essence 6.5W 4000K 40° Ø85mm Cutout Ø68-75mm 40° Tilttable White	6.5	600	92	4000	≥80	0.06	30000	50W Hal	40°

### TECHNICAL DATA

ELECTRICAL DATA	
Voltage (V)	220-240
Frequency (Hz)	50/60
Power factor (λ)	≥0.5
Operating mode	Integrated LED Driver
Electrical connection	Max 2x2,5 mm² wire
Total harmonic distortion	≤ 20 %

### TEMPERATURES & OPERATING CONDITIONS

Ambient temperature	25°C
Operating temperature	-20 ~ +40°C
Storage temperature	-20 ~ +60°C

### COLORS & MATERIALS

Color ( Housing)	White RAL9016
Material ( Housing)	PC
Material ( Reflector)	PC

ITEM CODE	DESCRIPTION	DRIVER FAILURE RATE AT 5,000H	INRUSH CURRENT IPEAK (A)	INRUSH CURRENT TWIDTH (µs)	MAX. NO. OF DRIVERS ON MCB TYPE B 10A	MAX. NO. OF DRIVERS ON MCB TYPE B 16A	MAX. NO. OF DRIVERS ON MCB TYPE C 10A	MAX. NO. OF DRIVERS ON MCB TYPE C 16A
4600598	LED Spotlight Essence 6.5W 3000K 40° Ø85mm Cutout Ø68-75mm 40° Tilttable White	≤1%	<15	200	111	177	111	177
4600604	LED Spotlight Essence 6.5W 4000K 40° Ø85mm Cutout Ø68-75mm 40° Tilttable White	≤1%	<15	200	111	177	111	177

### CERTIFICATES & STANDARDS

Driver certificates	CE
Fixture certificates	CE
Ingress protection	IP20
Protection class	II
Protection class IK	03
Glow Wire Test ( IEC 695-2-1)	650°C
Photobiological safety group EN62778	RG1

### CAPABILITIES

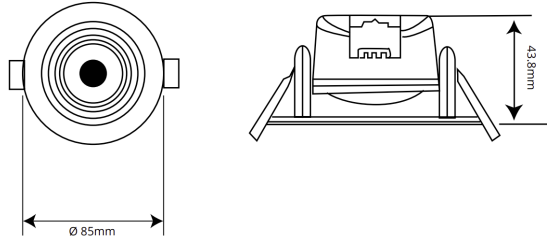
UGR	≤19
Dimmable	No
Type of connection	Push Terminal, 2-pole
LED Module replacable	No
Installation	Through-wiring Possible

### PRAGMALUX

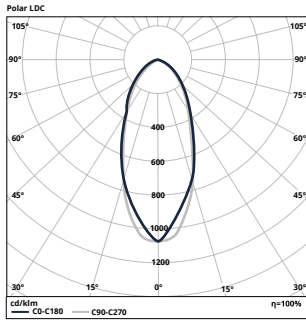
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## DIMENSIONS



## PHOTOMETRIC SPECIFICATIONS LED SPOT ESSENCE 6.5W



Cone Diagram

Distance(m)	Cone Diameter(m)	E(0°)	E(C90)	E(22.1°)	E(23.8°)	Illuminance(lx)
0.5	0.41 0.44	2356	937	937	903	
1.0	0.81 0.88	589	234	234	226	
1.5	1.22 1.32	262	104	104	100	
2.0	1.62 1.76	147	59	59	56	
2.5	2.03 2.21	94	37	37	36	
3.0	2.44 2.65	65	26	26	25	