FUTUROLUCE
GENERAZIONE LED

ML16

TECHNICAL SPECIFICATIONS

No and Type of LED	4 x CREE XP-E / XP-G
Power supply	700mA
Body material	anticorodal anodized aluminium
Electrical connection	flying
Cooling	passive
Installation	any position
Protection rating	IP20
Class	III
Weight	0,08Kg
Dimensions	Ø50 x h60mm
Maximum power consumption	9,6W
Operating temperature	-40 / +85°C
Average product life	35.000hours

indoor

A⁺

DESCRIPTION

Body in aluminium. Electrical connection with flying wires. High power LED module on printed circuit board with metal base.
Electronic components, dimmable with external dimmer. Highly efficient secondary lens.
IP20 protection rating: protection against solid particles of dimensions greater than 12mm and not protected against liquids.

CHARACTERISTICS AND ADVANTAGES

- High efficiency (>100 lm/W).
- ANSI compliant binning.
- Excellent lumen maintenance and colour stability.
- Extensive dimming range – fully dimmable.
- Highly efficient secondary optics.
- Long life and reduced maintenance costs.
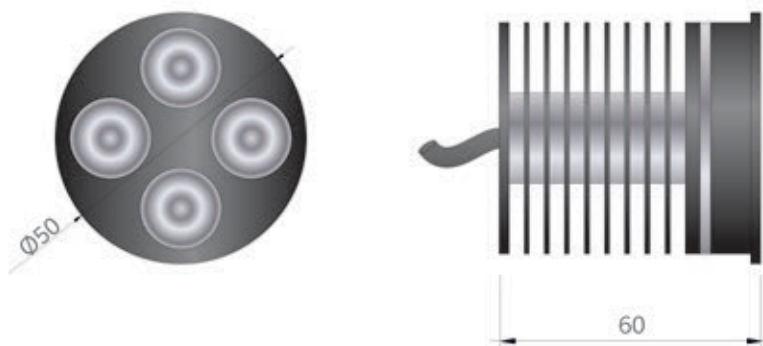- Ecological, no disposal restrictions.

APPLICATIONS

The mL16 module has high performance, with discreet looks making it a product which can be widely used for installation in 50mm halogen spots, where there is a need for a high light output and flexibility to direct the light precisely where it is needed, which is achieved through high quality secondary optics.
Thermal management is precisely controlled to ensure high light performance and low maintenance over the product lifespan.

OPTICS, COLOUR TEMPERATURE AND RCI

10°	21°	39°	57°	10°x44°

2800K	3200K	4200K	5500K

>90 CRI	>85 CRI

- Rev. 01/104

OPTICAL SPECIFICATIONS

Optics	Code	Color temperature	Emission (Lumens)	LED Efficiency (lm/W)	CRI	Typical illuminance (Lux)		
						at 1m	at 2m	at 3m
10°	ml16-04700010WW2	White 2800K	680lm	100lm/W	>90	13073lx	3322lx	1476lx
	ml16-04700010WW3	White 3200K	720lm	105lm/W	>85			
	ml16-04700010NW4	White 4200K	760lm	110lm/W	>80			
	ml16-04700010CW5	White 5500K	880lm	130lm/W	>80	17059lx	4334lx	1926lx
21°	ml16-04700021WW2	White 2800K	680lm	100lm/W	>90	2522lx	632lx	281lx
	ml16-04700021WW3	White 3200K	720lm	105lm/W	>85			
	ml16-04700021NW4	White 4200K	760lm	110lm/W	>80			
	ml16-04700021CW5	White 5500K	880lm	130lm/W	>80	3291lx	825lx	367lx
39°	ml16-04700039WW2	White 2800K	680lm	100lm/W	>90	943lx	238lx	106lx
	ml16-04700039WW3	White 3200K	720lm	105lm/W	>85			
	ml16-04700039NW4	White 4200K	760lm	110lm/W	>80			
	ml16-04700039CW5	White 5500K	880lm	130lm/W	>80	1230lx	310lx	139lx
10°x44°	ml16-047000X44WW2	White 2800K	680lm	100lm/W	>90	2803lx	704lx	313lx
	ml16-047000X44WW3	White 3200K	720lm	105lm/W	>85			
	ml16-047000X44NW4	White 4200K	760lm	110lm/W	>80			
	ml16-047000X44CW5	White 5500K	880lm	130lm/W	>80	3657lx	919lx	409lx
Diameter (m)	10°	>				0.28m	0.73m	1.00m
	21°	>				0.32m	1.28m	1.91m
	39°	>				0.58m	1.53m	2.17m
	10°x44°	>				0.34mx0.41m	1.87mx1.00m	2.80mx1.35m

TECHNICAL DRAW

Ø50

60

ACCESSORIES

DESCRIPTION	CODE
Comfort IN indoor spotlight for ML16, spring fastening, RAL9010 matt white painted finish, assembly holes diameter 75 mm.	CMP00607
Square-shaped recess with visible trim complete with 2 adjustable inserts	Xl1-S1-mL16
Rectangular-shaped recess with visible trim complete with 2 adjustable inserts	Xl1-S2-mL16
Square-shaped recess, fully flush-mounted, complete with adjustable insert	Xl2-S1-mL16
Rectangular-shaped recess, fully flush-mounted, complete with 2 adjustable inserts	Xl2-S2-mL16
Series connection multiple connector	CMP00869
RAL9010 white matt painting	VER03