

mirage LED anti-ligature

anti-ligature LED
recessed downlighter



Optics

- Light Output Options – stable white:
 - 1100 lumens (10W*)
 - 2000 lumens (22W*)
 - 3000 lumens (29W*)
- *Total power consumption including driver based on the 4000K light engine
- Supplied complete with specular reflector
- Available in 3000K and 4000K
- 50,000 hour life expectancy
- High impact 5mm thick polycarbonate cover

Body

- Front bezel is screw fixed to the rear ceiling plate and secured by retaining tamper proof screws
- Black cast aluminium body with polycarbonate reflector ring in white
- Bodies available in two depths, Compact or Comfort
- Rapid installation guaranteed with our unique spring assembly
- Luminaire supplied with interconnecting cable for connection to the LED driver (driver to be ordered separately)
- For ceilings 5-50mm thick
- Can be used with the anti-glare control insert

Order Codes

Mirage LED Compact (order driver & anti-ligature kit separately)	Fixed Output	3 hr Emergency
1100 lumen	MLA114KCMP	MAA114KCMPEM
2000 lumen	MLA204KCMP	MAA204KCMPEM
3000 lumen	MLA304KCMP	MAA304KCMPEM

Mirage LED Comfort (order driver & anti-ligature kit separately)	Fixed Output	3 hr Emergency
1100 lumen	MLA114KCFT	MAA114KCFTEM
2000 lumen	MLA204KCFT	MAA204KCFTEM
3000 lumen	MLA304KCFT	MAA304KCFTEM

Mirage LED Anti-ligature Kit	
Anti-ligature kit (order one per product)	MALKIT

Drivers	Fixed Output	DALI
1100 lumens	MLH12W	MLY17W
2000 lumens	MLH25W	MLY25W
3000 lumens	MLH50W	MLY50W

Attachments

Anti Glare Control Insert	MLA-AGC
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Options

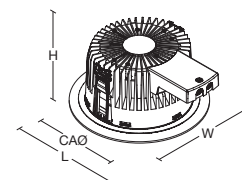
3000K COLOUR TEMP	Replace 4K with 3K	i.e. MAA203KCMP
EASYTEST	Add suffix /ET	i.e. MAA204KCMP/ET
COMEPS	Add suffix /EP	i.e. MAA204KCMP/EP
SPECIAL TOOL REQUIRED FOR ACCESS AND FIXING		HAL-KEY



Equivalent Lamp Types

1100 Lumen Output	
Compact fluorescent	1 x 18/26W
2000 Lumen Output	
Compact fluorescent	1 x 32/42W
	2 x 26W
3000 Lumen Output	
Compact fluorescent	2 x 32W

Dimensions

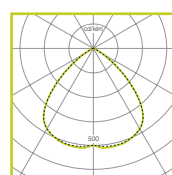


Version	L	W	H	CAØ	KG	KG
Compact	232	250	100	165	1.6	3.1
Comfort	232	250	137	165	1.8	3.3
Driver	220	83	35	-	0.3	-

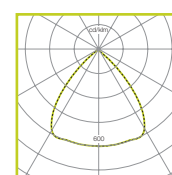
LED Performance

Output	Ra (CRI)	Life Expectancy	Colour Consistency
1100 lumen	≥ 80	L ₈₀ (50,000hrs)	MacAdam 3 SDCM
2000 lumen	≥ 80	L ₈₀ (50,000hrs)	MacAdam 3 SDCM
3000 lumen	≥ 80	L ₈₀ (50,000hrs)	MacAdam 3 SDCM

Photometric Performance



10W LED
Compact
1100 lumens
4000K
• LOR = 100%
• SHR MAX = 1.70



22W LED
Comfort
2000 lumens
4000K
• LOR = 100%
• SHR MAX = 1.67

Utilisation Factors UF(F)

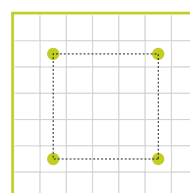
Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.87 1.05 1.09

Utilisation Factors UF(F)

Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.94 1.07 1.11

Performance Guide

Lamps	Illuminance	Spacing
22W LED	200 lux	3.0m x 3.0m



Maintenance:
0.8
Reflectance:
70/50/20
Ceiling Height:
2.7m
Working Plane:
0.0m

To Specify

Recessed Anti-Ligature LED downlighter with cast aluminium body, specular reflector with optional anti-glare control insert and high impact 5mm thick polycarbonate cover retained by ceiling mounting plate, front polycarbonate bezel and tamper proof screws – as Whitecroft Lighting MIRAGE LED ANTI-LIGATURE