

mirage LED anti-ligature

anti-ligature LED
recessed downlighter



Optics

- Light Output Options – stable white:
 - 1100 lumens (13W*)
 - 2000 lumens (23W*)
- *Total power consumption including driver based on the 4000K light engine
- Supplied complete with specular reflector
- Available in 3000K & 4000K
- Anti-glare control ring option
- 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 (LED 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 4000K	MLA114KCMP	MAA114KCMPEM
2000 lumen 4000K	MLA204KCMP	MAA204KCMPEM

Mirage LED Comfort (order driver & anti-ligature kit separately)	Fixed Output	3 hr Emergency
1100 lumen 4000K	MLA114KCFT	MAA114KCFTEM
2000 lumen 4000K	MLA204KCFT	MAA204KCFTEM

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

Drivers	Fixed Output	DALI
1100/2000 lumens	MLH25W	MLY25W

Attachments	
Anti Glare Control Insert	MLA-AGC

Options		
3000K COLOUR TEMP	Replace 4K with 3K	i.e. MLA203KCMP
EASYTEST	Add suffix /ET	i.e. MLA204KCMP/ET
COMEPS	Add suffix /EP	i.e. MLA204KCMP/EP
SPECIAL TOOL REQUIRED FOR ACCESS AND FIXING		HAL-KEY

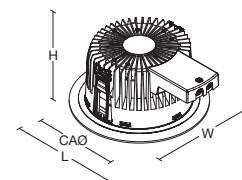


Equivalent Lamp Types

1100 Lumen Output
Compact fluorescent **1 x 18/26W**

2000 Lumen Output
Compact fluorescent **1 x 32/42W**
2 x 26W

Dimensions

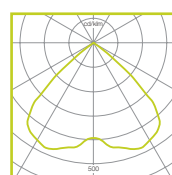


Version	L	W	H	CAØ	KG	KG
Compact	232	250	100	165	1.6	3.1
Comfort	232	250	137	165	1.8	3.3
Driver	220	83	35	-	0.3	-

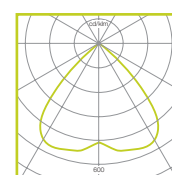
LED Performance

Colour Temp	Ra (CRI)	Life Expectancy	Colour Consistency
3000K	≥ 80	L ₇₀ (50,000hrs)	MacAdam 3 SDCM
4000K	≥ 80	L ₇₀ (50,000hrs)	MacAdam 3 SDCM

Photometric Performance



13W LED Compact
1033 lumens
4000K
• LOR = 100%
• SHR MAX = 1.97



23W LED Comfort
1778 lumens
4000K
• LOR = 100%
• SHR MAX = 1.75

Utilisation Factors UF(F)

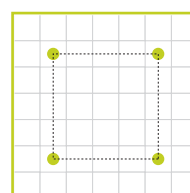
Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.79 1.02 1.08

Utilisation Factors UF(F)

Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.80 1.03 1.08

Performance Guide

Lamps	Illuminance	Spacing
23W 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