



Optics

LED light engines available in either a fixed or replaceable 'integra' format

- Light Output Options - Integra
 - 1100 lumens (18W*)
- Light Output Options - Comfort and Compact
 - 1100 lumens (10W*)
 - 2000 lumens (22W*)
 - 3000 lumens (29W*)
- Light Output Options - Tune
 - 1800 lumens (28W*)

*Total power consumption including driver based on the 4000K light engine

- Supplied complete with specular reflector
- Available in 3000K and 4000K
- Mirage LED Tune 2700K – 6500K
- 50,000 hour life expectancy
- IP44 as standard (excluding Integra - IP20)

Body

- 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 with Compact and Comfort. Integra and Tune supplied with driver
- For ceilings 5-50mm thick
- Available with a wide range of attachments

mirage LED

Order Codes

Mirage LED Integra (no driver required)	Fixed Output	3 hr Emergency
1100 lumen (18W)	MLB114KCMP	-

Mirage LED Compact (order driver separately)	Fixed Output	3 hr Emergency
1100 lumen (10W)	MLA114KCMP	MLA114KCMPEM
2000 lumen (22W)	MLA204KCMP	MLA204KCMPEM
3000 lumen (29W)	MLA304KCMP	MLA304KCMPEM

Mirage LED Comfort (order driver separately)	Fixed Output	3 hr Emergency
1100 lumen (10W)	MLA114KCFT	MLA114KCFTEM
2000 lumen (22W)	MLA204KCFT	MLA204KCFTEM
3000 lumen (29W)	MLA304KCFT	MLA304KCFTEM

Mirage LED Tune (supplied with driver)	Fixed Output	3 hr Emergency
1800 lumen 2700K – 6500K	MLC20CFT	-

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

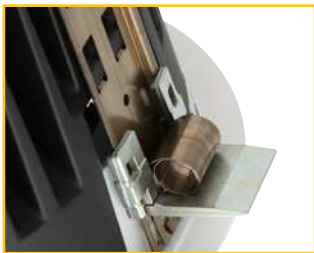
Options		
3000K COLOUR TEMP	Replace 4K with 3K	i.e. MLA203KCMP
EASYTEST	Add suffix /ET	i.e. MLA204KCMP/ET
COMEPS	Add suffix /EP	i.e. MLA204KCMP/EP
PATTRESS		MLA-PAT



LED Light Engine



Anti-Glare Control Insert



Quick Fix Spring System



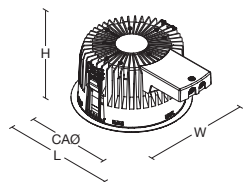
Integra Module



Pattress

mirage LED

Dimensions



Version	L	W	H	CAØ	KG	KG 
Integra	232	183	100	165	1.18	-
Compact	232	183	100	165	1.18	2.7
Comfort	232	183	137	165	1.35	2.9
Tune	232	183	137	165	1.35	-
Driver	220	83	35	-	0.3	-

LED Performance

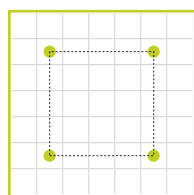
Output	Ra (CRI)	Life Expectancy	Colour Consistency
1100 lumen	≥ 80	L ₈₀ (50,000hrs)	MacAdam 3 SDCM
2000 lumen	≥ 80	L ₈₀ (50,000hrs)	MacAdam 3 SDCM
3000 lumen	≥ 80	L ₈₀ (50,000hrs)	MacAdam 3 SDCM
1100 lumen - Integra	≥ 80	L ₈₂ (50,000hrs)	MacAdam 3 SDCM
1800 lumen Tunable White	≥ 90	L ₈₂ (50,000hrs)	MacAdam 3 SDCM

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

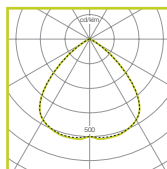
Performance Guide

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

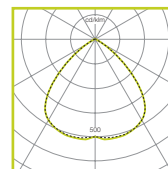
Photometric Performance



10W LED
Compact
1100 lumens
4000K
• LOR = 100%
• SHR MAX = 1.93

Utilisation Factors UF(F)

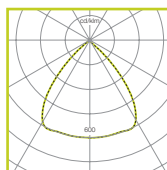
Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.87 1.05 1.09



22W LED
Compact
2000 lumens
4000K
• LOR = 100%
• SHR MAX = 1.93

Utilisation Factors UF(F)

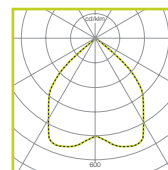
Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.87 1.05 1.09



22W LED
Comfort
2000 lumens
4000K
• LOR = 100%
• SHR MAX = 1.75

Utilisation Factors UF(F)

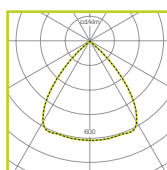
Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.80 1.03 1.08



22W LED
Comfort
Cylinder attachment
2000 lumens
4000K
• LOR = 100%
• SHR MAX = 1.93

Utilisation Factors UF(F)

Room Reflectance	Room Index
C W F	1.00 3.00 5.00
0.70 0.50 0.20	0.88 1.05 1.09



29W LED
Comfort
3000 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	0.94 1.01 1.11

To Specify

Mirage LED
Recessed LED downlight with cast aluminium body, white polycarbonate bezel and integral 1100 / 2000 / 3000 lumen light engine. For ceiling thicknesses of 5-50mm – as Whitecroft Lighting MIRAGE LED

Integra
Recessed LED downlight with cast aluminium body, white polycarbonate bezel and removable 1100 lumen light engine. For ceiling thicknesses of 5-50mm – as Whitecroft Lighting MIRAGE LED INTEGRA

Tune
Recessed LED downlight with cast aluminium body, white polycarbonate bezel and integral 1800 lumen 2700K-6500K tunable light engine. For ceiling thicknesses of 5-50mm – as Whitecroft Lighting MIRAGE LED TUNE