

Mirage MD20

MOTIVATION

Developed as a family of downlights Mirage MD20 meets the needs of today's specifier. Quality materials and an ingenious design allow the secure knowledge that installation will be easy. Performance will be excellent, and the lit effect will be versatile enough to meet any need now or in the future.

APPLICATION

IP20 Version

- Offices
- Circulation areas
- Stair wells
- Canteens
- Reception areas
- Board rooms
- Retail

IP44 Version

- Toilets
- Shower areas
- Kitchens
- Factories
- Work shops

SPECIFICATION

- Lamps:
 - Single or twin 13W TC-D
 - Single or twin 18W TC-D
- Lamps horizontally mounted
- Body: Precision die cast aluminium
- Gear: Integral to body, switch start, high frequency or high frequency regulating
- Reflectors:
 - Silver LG3 Cat 3 Diamond Facet
 - Silver (plain)
 - White (plain)
- Bezel: White paint finish RAL9010 20% gloss
- Ceiling retention by spring mechanism
- Minimum ceiling void depth 112mm
- For ceiling thickness – 1mm to 25mm
- Power factor corrected
- Ventilated gear housing
- Easy access fused terminal block
- Labyrinth cable strain relief
- F-mark compliance
- Supplied with lamp – 3000K TC-D

Options

- Emergency versions (remote box)
- High frequency regulated gear (dimming)
- IP44 opal or clear diffuser versions with curved profile uses remote gear box
- Suspended glass ring attachments, see page 136

The above options may not apply to all wattages please check in part code table

For products not listed in the standard range please contact Whitecroft Lighting Quotations Department (minimum order quantities may be applied)

Lloyds TSB
Kingsthorpe, Leicester



MD20-113S



MD20-113W



MD20-118W/IP44
– opal diffuser
– clear diffuser



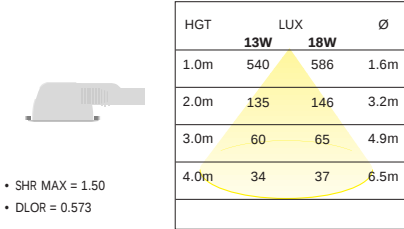
REDIRECTION

For technical louvre, spiral louvre, glass ring and special attachments, see p136





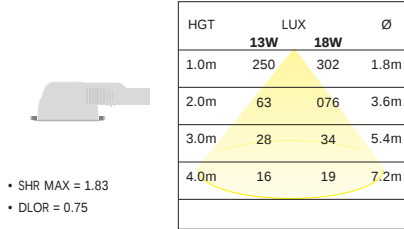
Mirage MD20 - 218S Angle 78°
LG3 CAT 3 DIAMOND FACET REFLECTOR
2 x 18W TC-D Compact fluorescent



UTILISATION FACTORS UF(F)													SHR NOM 1.50
Room Reflectance Room Index													
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00		
0.70	0.50	0.20	0.39	0.44	0.49	0.51	0.55	0.57	0.59	0.60	0.62		
0.50	0.30	0.20	0.35	0.40	0.44	0.47	0.51	0.53	0.55	0.57	0.58		
0.00	0.00	0.00	0.31	0.36	0.40	0.43	0.46	0.48	0.50	0.52	0.53		

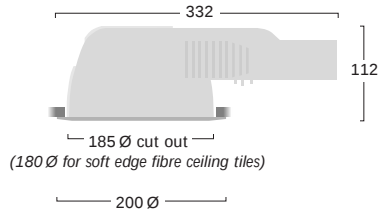
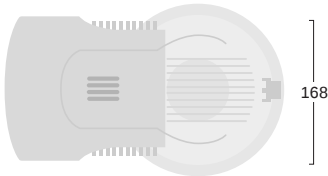
CONVERSION TERMS		
Lamp Wattage	13W	18W
UF and PC	1.20	1.00

Mirage MD20 - 118S Angle 84°
LG3 CAT 3 DIAMOND FACET REFLECTOR
1 x 18W TC-D Compact fluorescent



UTILISATION FACTORS UF(F)													SHR NOM 1.75
Room Reflectance Room Index													
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00		
0.70	0.50	0.20	N/A	0.58	0.63	0.67	0.72	0.75	0.77	0.79	0.81		
0.50	0.30	0.20	N/A	0.53	0.58	0.62	0.67	0.70	0.72	0.74	0.76		
0.00	0.00	0.00	N/A	0.48	0.53	0.56	0.61	0.63	0.65	0.68	0.69		

CONVERSION TERMS		
Lamp Wattage	13W	18W
UF and PC	0.98	1.00



Mirage MD20

ORDER CODES
COMPACT FLUORESCENT DOWNLIGHTERS

SWITCHSTART GEAR			HIGH FREQUENCY GEAR		
PLAIN SILVER	SILVER DIAMOND	WHITE	PLAIN SILVER	SILVER DIAMOND	LAMP SUPPLIED
MD20-113P	MD20-113S	MD20-113W	MD20-113PH	MD20-113SH	1 x 13W TC-D
MD20-213P	MD20-213S	MD20-213W	MD20-213PH	MD20-213SH	2 x 13W TC-D
MD20-118P	MD20-118S	MD20-118W	MD20-118PH	MD20-118SH	1 x 18W TC-D
MD20-218P	MD20-218S	MD20-218W	MD20-218PH	MD20-218SH	2 x 18W TC-D

HIGH FREQUENCY ANALOGUE DIMMING OPTIONS		
MD24-218PR	Plain silver reflector	2 x 18W TC-D
MD24-218SR	Silver diamond reflector	

EMERGENCY Add suffix to order code above
E3 Emergency pack

SWITCHSTART GEAR (USING REMOTE GEAR BOX) WITH IP44 OPAL DIFFUSER			
STANDARD	WITH EMERGENCY PACK	REFLECTOR	
MD20-118W/IP44	MD20-118WE3/IP44	White	1 x 18W TC-D
MD20-218W/IP44	MD20-218WE3/IP44		2 x 18W TC-D
WITH CLEAR DIFFUSER			
MD20-118W/IP44C	MD20-118WE3/IP44C	White	1 x 18W TC-D
MD20-218W/IP44C	MD20-218WE3/IP44C		2 x 18W TC-D

These are the only IP44 versions of Mirage MD20.
Not available with high frequency gear due to temperature limitations. Higher outputs available in Spectre range.

ATTACHMENTS
See page 136

To specify state:
Cast aluminium bodied compact fluorescent (horizontal mount) downlight with a recess depth <112mm in height.
Integral control gear with labyrinth cable strain relief. LG3 Cat 3 diamond facet/silver/white reflector/IP20/IP44 opal/clear curved profile diffuser – as Whitecroft Lighting MIRAGE MD20.