



Optics

- 4000K
- 54° beam angle for maximum room surface illumination
- MRI500 - 7 LEDs running at 350mA = 9.0w system power
- MRI1000 - 7 LEDs running at 700mA = 16.5w system power
- High quality, single bin LEDs with only a 4 Macadam ellipse tolerance
- Lower point brightness due to the unique LED arrangement
- Specifically designed lens array to produce a precise beam control and high colour rendering index
- 50,000 hours life expectancy

Body

- Body and housing free from metallic magnetic materials
- Modular design utilising either a 500 or 1000 lumen LED package
- Supplied with an inline linear constant current regulator to connect to 24V system
- Finished in white
- For ceiling thickness: – 2 to 20mm
- Driver and head to be ordered separately

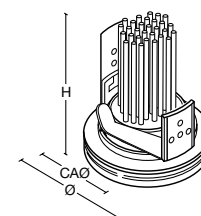
Driver

- Two options with 1-10V dimming:
 - 185 or 320W constant voltage (24V)
- Driver capacity outlined below

	500 lumen	1000 lumen
185W driver	Up to 20	Up to 10
320W driver	Up to 35	Up to 17



Dimensions



Version	H	Ø	CAØ	KG
Fixed	100	90	80	0.84

Equivalent Lamp Types

Concert MRI 1000 Lumen Output

Compact Fluorescent	1 x 18W, 1 x 26W
CDM	1 x 20W
Tungsten Halogen	1 x 50W, 1 x 75W

Concert MRI 500 Lumen Output

Compact Fluorescent	1 x 13W
Tungsten Halogen	1 x 35W

Order Codes

Concert MRI 500 Lumen Output

4000k Flood Optic

CNMR5004KFLW

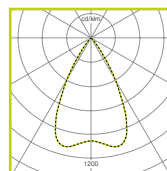
Options

1000 LUMEN LED Replace 500 with **1000** i.e. CNMR**1000**4KFLW

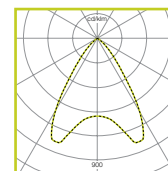
Drivers

185W CNMR**185**W
320W CNMR**320**W

Photometric Performance



Concert MRI 500
54° 4000K
• LOR = 100%
• SHR MAX = 1.17



Concert MRI 1000
54° 4000K
• LOR = 100%
• SHR MAX = 0.61

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.89	1.09	1.13

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.82	1.05	1.10

To Specify

Recessed high output single bin LED downlight for MRI scanning rooms. Luminaire body and housing free from metallic magnetic materials. For ceiling thicknesses of 2-20mm, supplied complete with driver as Whitecroft Lighting CONCERT MRI 500 / MRI 1000