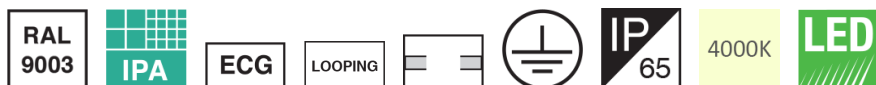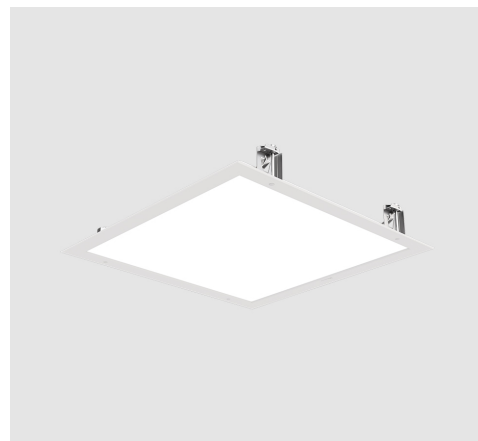# Mazinoor
Different Experience Beyond Illumination

M552SCLED4PS840-W

NEW STERILUX recessed luminaire for cleanroom (60*60), Satin white diffuser, Clear tempered glass, 4000K, LED4, 5400 Lumens, 49W ,White

| RAL 9003 | IPA | ECG | LOOPING | | ⏚ | IP 65 | 4000K | LED |

About Product

STERILUX CR2 LED recessed luminaire is Mazinoor state of the art design suitable for cleanroom environments in laboratories, pharmaceutical companies, hospitals, electronics and microelectronics industries, industrial cleanrooms, etc. Sturdy body, ease of installation and maintenance, and high ingress protection (IP65) are among the highlights of this luminaire.

Technical Information

Cataloge Code/product code:	M552SCLED4PS840-W
Mounting Type:	Recessed-Sandwich panel false ceiling
Application:	Cleanroom، Industrial area
Light source type:	LED
Module/ Lamp quantity:	6
CCT (Color temperature):	4000K - Neutral White
Light source:	LED
Lumen maintenance:	> 100.000 hours
Lumen maintenance factor:	L80
CRI (Color rendering index):	> 80
Power Consumption:	49
Luminous Flux:	5400
Efficacy (lm/W):	110
IP (Ingress Protection):	IP65
Insulation Class:	Class I
Max. Ambient Temperature:	+40°C
Min. Ambient Temperature:	-25°C
Ballast/ Driver:	Constant Current Driver (PF> 0.9)
Ballast/ driver Spec:	short-circuit protection
Ballast/ Driver (Channel quantity):	Single channel

![Mazinoor - Different Experience Beyond Illumination]

M552SCLED4PS840-W

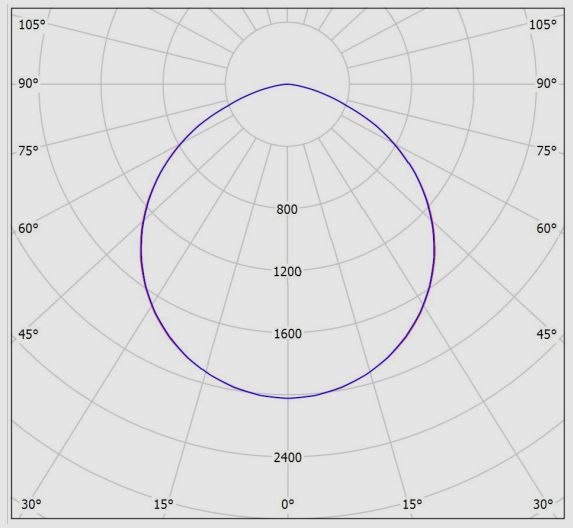## NEW STERILUX recessed luminaire for cleanroom (60*60), Satin white diffuser, Clear tempered glass, 4000K, LED4, 5400 Lumens, 49W ,White

Mains voltage:	220 VAC±10%
Voltage Frequency:	50/60 Hz
Wire / Cable Spec:	PVC solid wire
Wire cross section:	0.5
Terminal material:	Polycarbonate
Terminal Spec:	3-Pole (Size: 2.5)
Cable Looping:	Yes
Body Material:	Steel sheet
Body Coating:	Powder coated
Body Color:	White
RAL:	RAL9003
Diffuser/Glass Material:	Tempered glass in combination with polystyrene sheet
Light Distribution:	Uniform light distribution
Gasket Material:	silicon
Gasket Characteristic:	Ingress protection against dust and moisture
Clamp Material:	Galvanized steel sheet
Clamp Characteristic:	Rotational system for mounting in ceilings with different thickness
Packaging type:	Nylon cover and carton
Weight(Kg):	6.5
Dimensions(mm):	622x622x80
Luminaire mechanical impact resistance:	-

Mazinoor
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Photometric Graph

Glare Evaluation According to UGR

ρ Ceiling		70	70	50	50	30	70	70	50	50	30
ρ Walls		50	30	50	30	30	50	30	50	30	30
ρ Floor		20	20	20	20	20	20	20	20	20	20
Room Size X	Y	Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	18.1	19.4	18.4	19.6	19.8	18.1	19.3	18.4	19.6	19.8
	3H	19.2	20.4	19.5	20.6	20.9	19.2	20.3	19.5	20.6	20.9
	4H	19.5	20.6	19.9	20.9	21.2	19.5	20.6	19.8	20.8	21.1
	6H	19.7	20.7	20.0	21.0	21.3	19.6	20.6	20.0	20.9	21.2
	8H	19.7	20.6	20.0	21.0	21.3	19.6	20.6	20.0	20.9	21.2
	12H	19.7	20.6	20.0	20.9	21.2	19.6	20.5	20.0	20.9	21.2
4H	2H	18.7	19.8	19.0	20.0	20.3	18.6	19.7	19.0	20.0	20.3
	3H	19.9	20.8	20.3	21.2	21.5	19.9	20.8	20.3	21.1	21.5
	4H	20.3	21.1	20.7	21.5	21.8	20.3	21.1	20.7	21.4	21.8
	6H	20.5	21.2	20.9	21.6	22.0	20.5	21.2	20.9	21.6	22.0
	8H	20.6	21.2	21.0	21.6	22.0	20.5	21.2	20.9	21.5	22.0
	12H	20.6	21.1	21.0	21.5	22.0	20.5	21.1	21.0	21.5	21.9
8H	4H	20.4	21.1	20.9	21.5	21.9	20.4	21.0	20.8	21.4	21.9
	6H	20.7	21.2	21.2	21.7	22.1	20.7	21.2	21.1	21.6	22.1
	8H	20.8	21.2	21.2	21.7	22.1	20.7	21.2	21.2	21.6	22.1
	12H	20.8	21.2	21.3	21.6	22.1	20.7	21.1	21.2	21.6	22.1
12H	4H	20.4	21.0	20.9	21.4	21.9	20.4	21.0	20.8	21.4	21.8
	6H	20.7	21.2	21.2	21.6	22.1	20.7	21.1	21.1	21.6	22.0
	8H	20.8	21.2	21.3	21.6	22.1	20.7	21.1	21.2	21.6	22.1

Variation of the observer position for the luminaire distances S

S = 1.0H	+0.2 / -0.2	+0.2 / -0.2
S = 1.5H	+0.3 / -0.6	+0.3 / -0.6
S = 2.0H	+0.8 / -1.1	+0.8 / -1.2
Standard table	BK04	BK04
Correction Summand	3.3	3.3

Corrected Glare Indices referring to 5400lm Total Luminous Flux

Dimensional Drawing