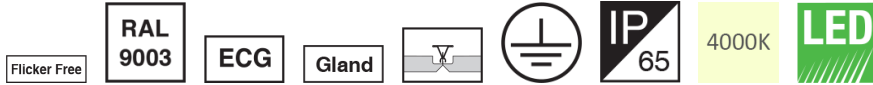


## M441SM170SLED2840-W

**SEALA MRT continuous linear luminaire, Matt tempered glass, Length: 170cm, 4000K, LED2, 5200 Lumens, 46W, White**



### About Product

SEALA MRT recessed light bar is Mazinoor state of the art design for mass rapid transit suitable for subway platforms. Sturdy body, flexibility of installation, ease of maintenance, vibration and shock resistance, and high ingress protection (IP65) are among the highlights of this luminaire.



### Technical Information

Catalogue Code/product code:	M441SM170SLED2840-W
Mounting Type:	Recessed-Concealed false ceiling
Application:	Industrial area, Subway
Light source type:	LED
Module/ Lamp quantity:	3
CCT (Color temperature):	4000K - Neutral White
Light source:	LED
Lumen maintenance:	> 100.000 hours
Lumen maintenance factor:	L70
CRI (Color rendering index):	> 80
Power Consumption:	46
Luminous Flux:	5200
Efficacy (lm/W):	113
IP (Ingress Protection):	IP65
Insulation Class:	Class I
Max. Ambient Temperature:	+40°C
Min. Ambient Temperature:	-20°C
Ballast/ Driver:	Constant Current Driver (PF> 0.9)
FLICKER:	Flicker Free
Ballast/ driver Spec:	short-circuit protection, Non-dimmable

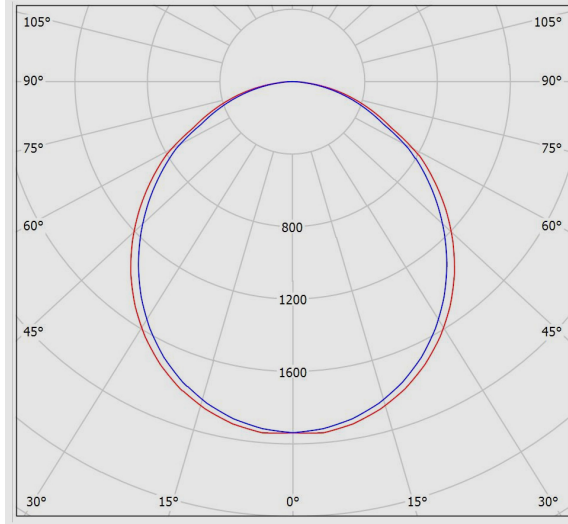
**M441SM170SLED2840-W**
**SEALA MRT continuous linear luminaire, Matt tempered glass, Length: 170cm, 4000K, LED2, 5200 Lumens, 46W, White**

Mains voltage:	220~240 VAC±10%
Voltage Frequency:	50/60 Hz
Wire / Cable Spec:	Flame retardant wire (HFLS)
Wire cross section:	0.5
Terminal material:	Porcelain
Terminal Spec:	3-Pole (Size: 2.5)
Cable Gland Spec:	Brass
Cable gland type:	PG13.5
Body Material:	Extruded aluminum profile
Body Coating:	Powder coated
Body Color:	White
RAL:	RAL9003
End Caps Material:	Die-Cast aluminum
Diffuser/Glass Material:	Tempered glass
Diffuser/Glass Shape:	Matte painted on one side (Sandblast design)
Diffuser/Glass Characteristic:	Uniform light distribution, 4mm thickness
Light Distribution:	Uniform light distribution
Clamp Material:	Galvanized steel sheet
Clamp Characteristic:	Rotational system for mounting in ceilings with different thickness
Packaging type:	Nylon cover and carton
Weight(Kg):	4.8
Dimensions(mm):	1720x200x110
Luminaire mechanical impact resistance:	-

## M441SM170SLED2840-W

**SEALA MRT continuous linear luminaire, Matt tempered glass, Length: 170cm, 4000K, LED2, 5200 Lumens, 46W, White**

### Photometric Graph



Glare Evaluation According to UGR											
Room Size		70	70	50	30	70	70	50	30	30	
p Ceiling		50	30	50	30	30	50	30	50	30	
p Walls		20	20	20	20	20	20	20	20	20	
p Floor		20	20	20	20	20	20	20	20	20	
Viewing direction at right angles to lamp axis	X										
	Y										
2H	2H	18.6	19.9	18.9	20.1	20.4	19.6	20.9	19.9	21.1	21.3
	3H	19.6	20.8	19.9	21.1	21.3	20.8	22.0	21.2	22.3	22.6
	4H	20.0	21.1	20.3	21.4	21.7	21.4	22.5	21.7	22.8	23.0
	6H	20.2	21.2	20.6	21.5	21.8	21.7	22.8	22.1	23.1	23.4
	8H	20.2	21.2	20.6	21.6	21.9	21.9	22.8	22.2	23.2	23.5
12H	20.3	21.2	20.6	21.5	21.9	21.9	22.8	22.3	23.2	23.5	
4H	2H	19.2	20.3	19.5	20.6	20.8	19.9	21.1	20.3	21.3	21.6
	3H	20.3	21.3	20.7	21.6	21.9	21.4	22.3	21.7	22.6	23.0
	4H	20.8	21.7	21.2	22.0	22.4	22.0	22.8	22.4	23.2	23.6
	6H	21.1	21.9	21.5	22.2	22.6	22.5	23.2	22.9	23.6	24.0
	8H	21.2	21.9	21.6	22.3	22.7	22.6	23.3	23.0	23.7	24.1
12H	21.2	21.8	21.7	22.3	22.7	22.7	23.3	23.1	23.7	24.1	
8H	4H	21.0	21.7	21.5	22.1	22.5	22.1	22.8	22.6	23.2	23.6
	6H	21.4	22.0	21.9	22.4	22.9	22.7	23.2	23.1	23.6	24.1
	8H	21.6	22.0	22.0	22.5	23.0	22.9	23.3	23.3	23.8	24.3
	12H	21.6	22.0	22.1	22.5	23.0	23.0	23.4	23.5	23.8	24.3
	4H	21.0	21.6	21.5	22.1	22.5	22.1	22.7	22.6	23.1	23.6
6H	21.5	21.9	21.9	22.4	22.9	22.7	23.2	23.2	23.6	24.1	
8H	21.6	22.0	22.1	22.5	23.0	22.9	23.3	23.4	23.8	24.3	
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.2 / -0.2				+0.1 / -0.1					
S = 1.5H		+0.4 / -0.7				+0.3 / -0.4					
S = 2.0H		+0.7 / -1.2				+0.8 / -1.0					
Standard table		BK04				BK05					
Correction Summand		4.0				5.7					
Corrected Glare Indices referring to 5200lm Total Luminous Flux											

### Dimensional Drawing

