

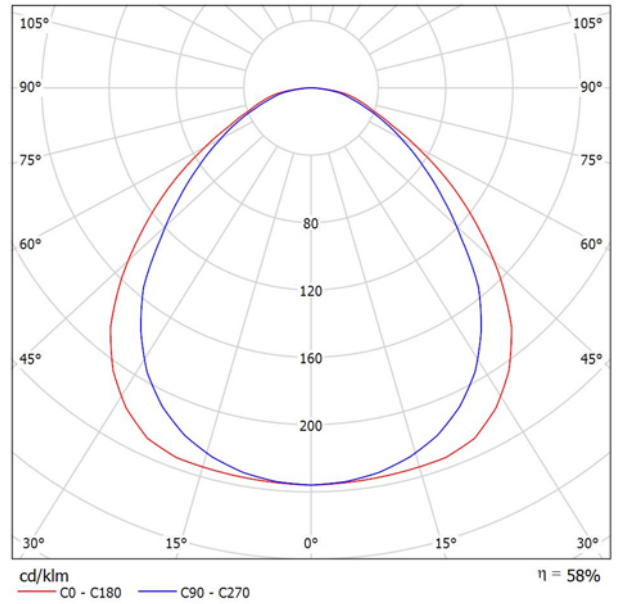


Operator
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Mazinoor M425336APTCL 3x36 W JUPITER Surface Mt.TC-L FI. Luminaire with Prismatic Acrylic Diffuser / Luminaire Data Sheet



Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 56 86 97 100 58

JUPITER surface mount luminaire with anodized aluminium louvers or acrylic diffuser is state of the art Mazinoor design, for commercial applications.

Uniform light distribution, and high efficiency are among the greatest advantages of JUPITER with louvers, while the most important advantages of JUPITER with clear prismatic and opal acrylic diffusers are uniform light distribution, excellent glare and UV control.

STANDARDS: Manufactured to comply with EN 60598 / BS 4533, CE marked

Application: Suitable for applications, where uniform light distribution with high efficiency in combination with better glare control is required such as offices, classrooms, etc.

Luminous emittance 1:

Glare Evaluation According to UGR											
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p 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	17.1	18.3	17.4	18.5	18.8	16.1	17.3	16.4	17.5	17.7
	3H	17.9	19.0	18.2	19.3	19.5	16.9	18.0	17.2	18.2	18.5
	4H	18.3	19.3	18.6	19.6	19.9	17.3	18.3	17.6	18.6	18.9
	6H	18.6	19.6	19.0	19.9	20.2	17.6	18.5	17.9	18.8	19.1
	8H	18.7	19.6	19.1	20.0	20.3	17.7	18.6	18.0	18.9	19.2
4H	12H	18.8	19.7	19.2	20.0	20.3	17.7	18.6	18.1	18.9	19.2
	2H	17.3	18.3	17.7	18.6	18.9	16.4	17.4	16.8	17.7	18.0
	3H	18.3	19.1	18.6	19.5	19.8	17.4	18.2	17.7	18.5	18.9
	4H	18.8	19.5	19.2	19.9	20.2	17.8	18.6	18.2	19.0	19.3
	6H	19.2	19.9	19.6	20.3	20.7	18.3	18.9	18.7	19.3	19.7
8H	12H	19.4	20.0	19.8	20.4	20.8	18.4	19.0	18.8	19.4	19.8
	4H	18.8	19.4	19.2	19.8	20.2	17.9	18.6	18.4	18.9	19.4
	6H	19.4	19.9	19.8	20.3	20.8	18.5	19.0	18.9	19.4	19.9
	8H	19.6	20.0	20.1	20.5	21.0	18.7	19.1	19.1	19.5	20.0
	12H	19.8	20.1	20.3	20.6	21.1	18.8	19.1	19.3	19.6	20.1
12H	4H	18.8	19.4	19.3	19.8	20.2	18.0	18.5	18.4	18.9	19.3
	6H	19.4	19.8	19.9	20.3	20.7	18.5	18.9	19.0	19.4	19.9
	8H	19.6	20.0	20.1	20.5	21.0	18.7	19.1	19.2	19.5	20.0
	Variation of the observer position for the luminaire distances S										
	S = 1.0H	+0.2 / -0.3					+0.3 / -0.4				
S = 1.5H	+0.5 / -0.8					+0.5 / -0.9					
S = 2.0H	+1.3 / -1.4					+1.1 / -1.4					
Standard table	BK03					BK04					
Correction Summand	-0.3					-0.8					
Corrected Glare Indices referring to 8700lm Total Luminous Flux											

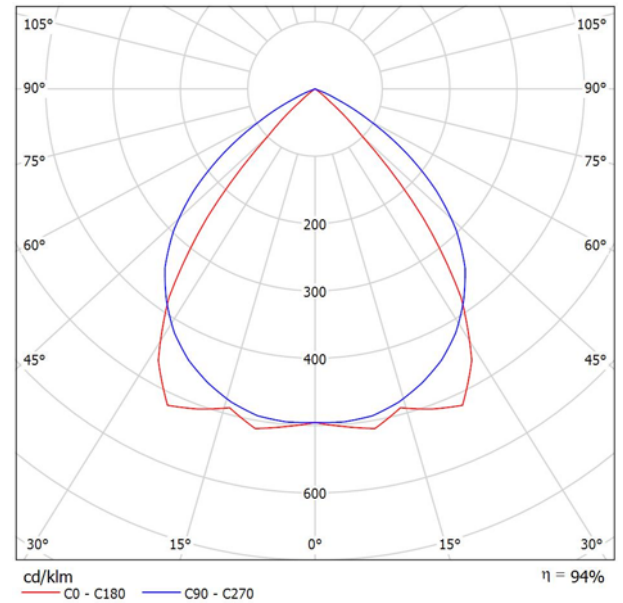


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Mazinoor M625414D 4x14 W T5 Surface mounted NEW BRILLIANT with Specular Pre-Anodized Aluminium Double Parabolic louvers with 95% reflectivity (MIRO) / Luminaire Data Sheet



Luminous emittance 1:



Luminaire classification according to CIE: 100
CIE flux code: 73 98 100 100 94

NEW BRILLIANT T5 fluorescent luminaire is state of the art Mazinoor design, for exposed T-Grid false ceilings, gypsum, or aluminium panel ceilings with 100mm modules suitable for elegant offices, sales areas and showrooms. Highly specular preanodized parabolic louvers for high efficiency, glare control, and possibility of surface mounting, recess mounting or suspending the same luminaire are among the greatest advantages of NEW BRILLIANT.

Mazinoor produces BRILLIANT based on the European norms (IEC 60598) with high quality electrical components and Mazinoor precise quality control.

Luminous emittance 1:

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	12.3	13.2	12.5	13.4	13.6	16.7	17.7	17.0	17.9	18.1
	3H	12.1	13.0	12.4	13.2	13.5	16.6	17.5	16.9	17.7	18.0
	4H	12.1	12.8	12.4	13.1	13.4	16.6	17.4	16.9	17.6	17.9
	6H	12.0	12.7	12.3	13.0	13.3	16.5	17.2	16.8	17.5	17.8
	8H	11.9	12.6	12.3	12.9	13.2	16.5	17.2	16.8	17.5	17.8
12H	11.9	12.6	12.3	12.9	13.2	16.4	17.1	16.8	17.4	17.7	
4H	2H	12.4	13.2	12.7	13.4	13.7	16.5	17.3	16.8	17.6	17.9
	3H	12.2	12.9	12.6	13.2	13.5	16.5	17.1	16.8	17.4	17.7
	4H	12.2	12.7	12.5	13.1	13.4	16.4	17.0	16.8	17.3	17.7
	6H	12.1	12.6	12.5	12.9	13.3	16.3	16.8	16.7	17.2	17.6
	8H	12.0	12.5	12.5	12.9	13.3	16.3	16.7	16.7	17.1	17.5
12H	12.0	12.4	12.4	12.8	13.2	16.2	16.6	16.7	17.0	17.5	
8H	4H	12.0	12.5	12.5	12.9	13.3	16.3	16.7	16.7	17.1	17.5
	6H	12.0	12.3	12.4	12.7	13.2	16.2	16.6	16.7	17.0	17.4
	8H	11.9	12.2	12.4	12.7	13.1	16.2	16.5	16.6	16.9	17.4
	12H	11.9	12.1	12.4	12.6	13.1	16.1	16.4	16.6	16.8	17.3
	12H	12.0	12.4	12.4	12.8	13.2	16.2	16.6	16.7	17.0	17.5
12H	6H	11.9	12.2	12.4	12.7	13.1	16.2	16.5	16.6	16.9	17.4
	8H	11.9	12.1	12.4	12.6	13.1	16.1	16.4	16.6	16.8	17.3
	8H	11.9	12.1	12.4	12.6	13.1	16.1	16.4	16.6	16.8	17.3
Variation of the observer position for the luminaire distances S											
S = 1.0H	+3.0 / -12.0					+1.0 / -1.4					
S = 1.5H	+4.5 / -19.5					+2.0 / -4.9					
S = 2.0H	+6.2 / -25.4					+4.0 / -13.6					
Standard table	BK00					BK00					
Correction Summand	-6.4					-2.1					
Corrected Glare Indices referring to 4800lm Total Luminous Flux											



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Mazinoor M108D12C-BL LEXOR Suspension Light with Clear Acrylic Reflector and Black Suspension unit for Compact Fl. Lamp / Luminaire Data Sheet



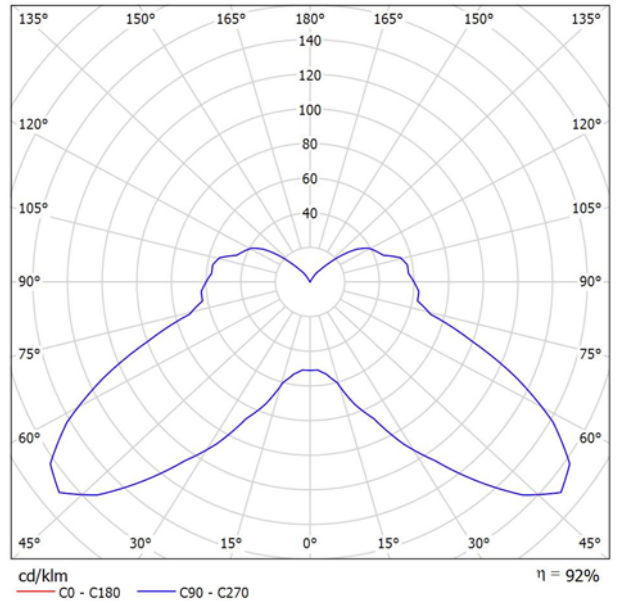
Luminaire classification according to CIE: 78
CIE flux code: 22 61 86 78 92

LEXOR pendant luminaire is state of the art Mazinoor design for lighting stores, homes, restaurants, etc. Choice of striped acrylic reflector in different colors ensures harmony with the decor. The built in suspending mechanism helps in adjusting the position of the luminaire at the desired height from the floor/ work plain height.

STANDARDS: Manufactured to comply with EN 60598 / BS 4533, CE marked

Application: Suitable for stores, shops, restaurants, homes, etc. where pleasant and glare controlled lighting is desired.

Luminous emittance 1:



Luminous emittance 1:

Glare Evaluation According to UGR											
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p 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	14.2	15.5	14.8	16.2	16.9	14.2	15.5	14.8	16.2	16.9
	3H	15.5	16.7	16.2	17.3	18.1	15.5	16.7	16.2	17.3	18.1
	4H	15.9	17.0	16.6	17.7	18.4	15.9	17.0	16.6	17.7	18.4
	6H	16.3	17.4	17.0	18.0	18.8	16.3	17.4	17.0	18.0	18.8
	8H	16.5	17.5	17.2	18.2	19.0	16.5	17.5	17.2	18.2	19.0
4H	12H	16.8	17.7	17.5	18.4	19.2	16.8	17.7	17.5	18.4	19.2
	2H	14.8	15.9	15.5	16.6	17.3	14.8	15.9	15.5	16.6	17.3
	3H	16.2	17.2	16.9	17.8	18.6	16.2	17.2	16.9	17.8	18.6
	4H	16.7	17.6	17.4	18.3	19.1	16.7	17.6	17.4	18.3	19.1
	6H	17.3	18.0	18.0	18.7	19.6	17.3	18.0	18.0	18.7	19.6
8H	8H	17.6	18.3	18.3	19.0	19.9	17.6	18.3	18.3	19.0	19.9
	12H	17.9	18.6	18.7	19.3	20.2	17.9	18.6	18.7	19.3	20.2
	4H	16.9	17.6	17.7	18.4	19.2	16.9	17.6	17.7	18.4	19.2
	6H	17.6	18.2	18.4	19.0	19.9	17.6	18.2	18.4	19.0	19.9
	8H	18.1	18.6	18.8	19.4	20.3	18.1	18.6	18.8	19.4	20.3
12H	12H	18.6	19.1	19.4	19.8	20.8	18.6	19.1	19.4	19.8	20.8
	4H	16.9	17.6	17.7	18.3	19.2	16.9	17.6	17.7	18.3	19.2
	6H	17.7	18.2	18.5	19.0	19.9	17.7	18.2	18.5	19.0	19.9
8H	18.2	18.7	19.0	19.5	20.4	18.2	18.7	19.0	19.5	20.4	
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.1 / -0.1					+0.1 / -0.1				
S = 1.5H		+0.4 / -0.4					+0.4 / -0.4				
S = 2.0H		+0.6 / -0.8					+0.6 / -0.8				
Standard table		BK06					BK06				
Correction Summand		1.6					1.6				
Corrected Glare Indices referring to 1200lm Total Luminous Flux											

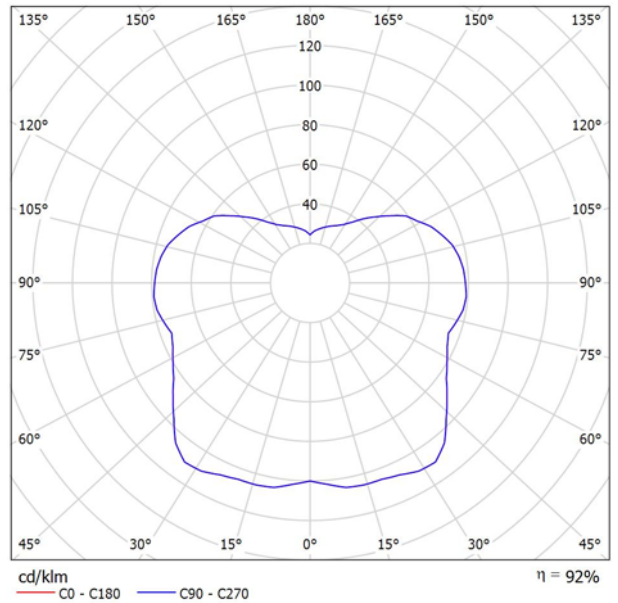


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Mazinoor MA33-BL ANGELA Decorative Suspended Luminaire / Luminaire Data Sheet



Luminous emittance 1:



Luminaire classification according to CIE: 60
CIE flux code: 30 56 78 60 92

ANGELA decorative suspended luminaire is state of the art Mazinoor design, for interior lighting. High efficiency and energy saving are among the greatest advantages of this luminaire.

Application: Suitable to use where energy saving is required in stores, residential buildings, etc.

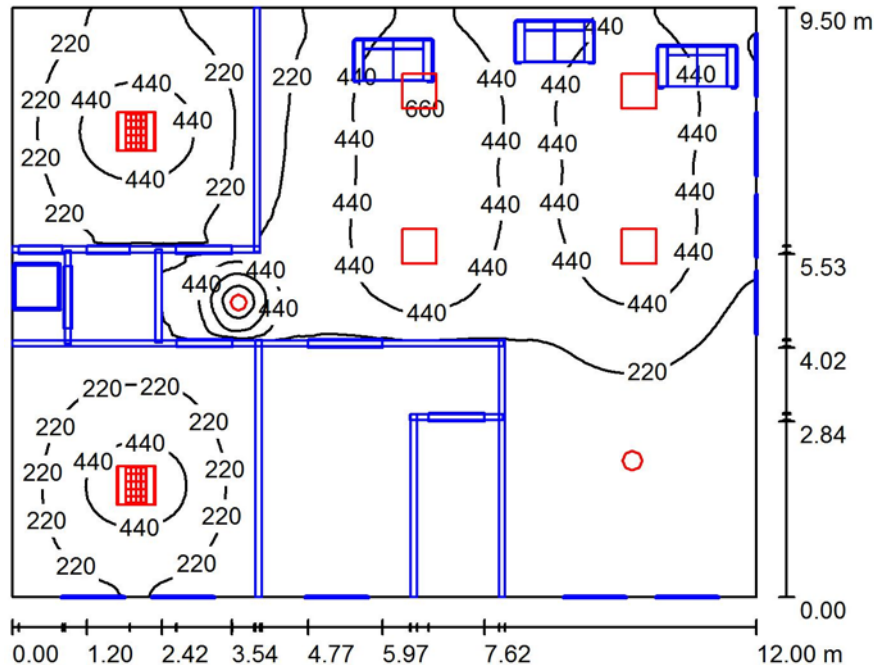
Luminous emittance 1:

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	10.5	11.5	11.3	12.3	13.3	10.5	11.5	11.3	12.3	13.3
	3H	12.4	13.3	13.2	14.2	15.2	12.4	13.3	13.2	14.2	15.2
	4H	13.5	14.3	14.3	15.2	16.3	13.5	14.3	14.3	15.2	16.3
	6H	14.6	15.5	15.5	16.3	17.4	14.6	15.5	15.5	16.3	17.4
	8H	15.2	16.0	16.1	16.9	18.0	15.2	16.0	16.1	16.9	18.0
4H	12H	15.8	16.6	16.7	17.4	18.5	15.8	16.6	16.7	17.4	18.5
	2H	11.1	12.0	11.9	12.8	13.9	11.1	12.0	11.9	12.8	13.9
	3H	13.3	14.0	14.1	14.9	16.0	13.3	14.0	14.1	14.9	16.0
	4H	14.5	15.2	15.4	16.1	17.2	14.5	15.2	15.4	16.1	17.2
	6H	15.9	16.5	16.8	17.4	18.6	15.9	16.5	16.8	17.4	18.6
8H	8H	16.6	17.1	17.5	18.1	19.2	16.6	17.1	17.5	18.1	19.2
	12H	17.2	17.8	18.2	18.7	19.9	17.2	17.8	18.2	18.7	19.9
	4H	15.0	15.6	15.9	16.5	17.7	15.0	15.6	15.9	16.5	17.7
	6H	16.6	17.1	17.5	18.0	19.2	16.6	17.1	17.5	18.0	19.2
	8H	17.5	17.9	18.4	18.8	20.1	17.5	17.9	18.4	18.8	20.1
12H	12H	18.3	18.7	19.3	19.7	20.9	18.3	18.7	19.3	19.7	20.9
	4H	15.1	15.6	16.0	16.5	17.7	15.1	15.6	16.0	16.5	17.7
	6H	16.8	17.2	17.7	18.2	19.4	16.8	17.2	17.7	18.2	19.4
8H	17.7	18.1	18.7	19.1	20.3	17.7	18.1	18.7	19.1	20.3	
Variation of the observer position for the luminaire distances S											
S = 1.0H	+0.1 / -0.1					+0.1 / -0.1					
S = 1.5H	+0.2 / -0.2					+0.2 / -0.2					
S = 2.0H	+0.3 / -0.5					+0.3 / -0.5					
Standard table	BK10					BK10					
Correction Summand	2.2					2.2					
Corrected Glare Indices referring to 3600lm Total Luminous Flux											



Operator
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Room 1 / Summary



Height of Room: 2.743 m, Light loss factor: 0.80

Values in Lux, Scale 1:122

Surface	u [%]	E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0
Workplane	/	276	5.71	1066	0.021
Floor	67	228	5.86	514	0.026
Ceiling	61	128	7.38	242	0.058
Walls (4)	77	139	9.57	418	/

Workplane:

Height: 0.760 m
Grid: 128 x 128 Points
Boundary Zone: 0.000 m

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.467, Ceiling / Working Plane: 0.464.


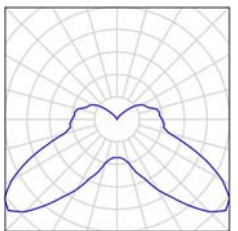

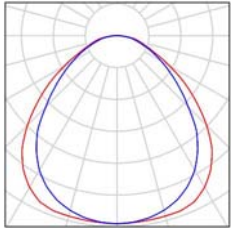

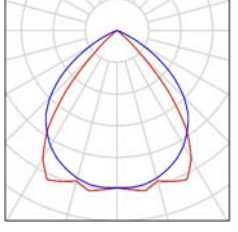

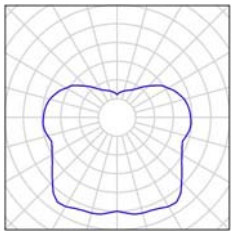
Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	I (Luminaire) [lm]	I (Lamps) [lm]	P [W]
1	1	Mazinoor M108D12C-BL LEXOR Suspension Light with Clear Acrylic Reflector and Black Suspension unit for Compact Fl. Lamp (1.000)	1108	1200	20.0
2	4	Mazinoor M425336APTCL 3x36 W JUPITER Surface Mt.TC-L Fl. Luminaire with Prismatic Acrylic Diffuser (1.000)	5037	8700	127.5
3	2	Mazinoor M625414D 4x14 W T5 Surface mounted NEW BRILLIANT with Specular Pre-Anodized Aluminium Double Parabolic louvers with 95% reflectivity (MIRO) (1.000)	4492	4800	62.0
4	1	Mazinoor MA33-BL ANGELA Decorative Suspended Luminaire (1.000)	3314	3600	60.0
Total:			33553	49200	714.0

Specific connected load: $6.26 \text{ W/m}^2 = 2.27 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 114.00 m^2)

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Room 1 / Luminaire parts list

1 Pieces	<p>Mazinoor M108D12C-BL LEXOR Suspension Light with Clear Acrylic Reflector and Black Suspension unit for Compact Fl. Lamp Article No.: M108D12C-BL Luminous flux (Luminaire): 1108 lm Luminous flux (Lamps): 1200 lm Luminaire Wattage: 20.0 W Luminaire classification according to CIE: 78 CIE flux code: 22 61 86 78 92 Fitting: 1 x 20 W Triple Tube Compact Self Ballasted Fluorescent Lamp with E27 Base (Correction Factor 1.000).</p>		
4 Pieces	<p>Mazinoor M425336APTCL 3x36 W JUPITER Surface Mt.TC-L Fl. Luminaire with Prismatic Acrylic Diffuser Article No.: M425336APTCL Luminous flux (Luminaire): 5037 lm Luminous flux (Lamps): 8700 lm Luminaire Wattage: 127.5 W Luminaire classification according to CIE: 100 CIE flux code: 56 86 97 100 58 Fitting: 3 x 36 W TC-L Fluorescent Lamp With 2G11 Base (Correction Factor 1.000).</p>		
2 Pieces	<p>Mazinoor M625414D 4x14 W T5 Surface mounted NEW BRILLIANT with Specular Pre-Anodized Aluminium Double Parabolic louvers with 95% reflectivity (MIRO) Article No.: M625414D Luminous flux (Luminaire): 4492 lm Luminous flux (Lamps): 4800 lm Luminaire Wattage: 62.0 W Luminaire classification according to CIE: 100 CIE flux code: 73 98 100 100 94 Fitting: 4 x 14 W High Efficiency T5 Fluorescent Lamp with G5 Base (16mm Tube Diameter) (Correction Factor 1.000).</p>		
1 Pieces	<p>Mazinoor MA33-BL ANGELA Decorative Suspended Luminaire Article No.: MA33-BL Luminous flux (Luminaire): 3314 lm Luminous flux (Lamps): 3600 lm Luminaire Wattage: 60.0 W Luminaire classification according to CIE: 60 CIE flux code: 30 56 78 60 92 Fitting: 3 x 20 W Triple Tube Compact Self Ballasted Fluorescent Lamp with E27 Base (Correction Factor 1.000).</p>		



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Room 1 / Photometric Results

Total Luminous Flux: 33553 lm
Total Load: 714.0 W
Light loss factor: 0.80
Boundary Zone: 0.000 m

Surface	Average illuminances [lx]			Reflection factor [%]	Average luminance [cd/m ²]
	direct	indirect	total		
Workplane	188	88	276	/	/
Floor	139	89	228	67	49
Ceiling	3.35	124	128	61	25
Wall 1	18	56	74	77	18
Wall 2	51	121	171	77	42
Wall 3	77	133	211	77	52
Wall 4	13	83	97	77	24

Uniformity on the working plane

u_0 : 0.021 (1:48)

E_{\min} / E_{\max} : 0.005 (1:187)

Illuminance Quotient (according to LG7): Walls / Working Plane: 0.467, Ceiling / Working Plane: 0.464.

Specific connected load: $6.26 \text{ W/m}^2 = 2.27 \text{ W/m}^2/100 \text{ lx}$ (Ground area: 114.00 m^2)