

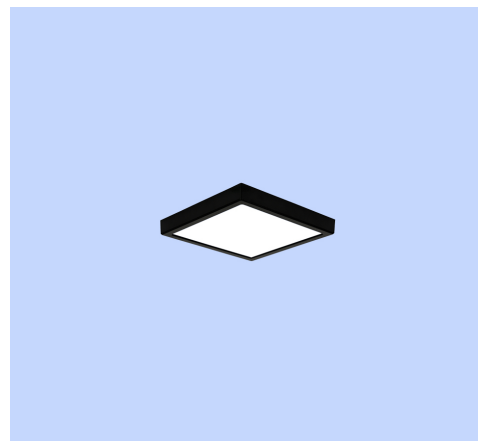
M421ESS1LED1840-BL

OPTiLED (DOB) surface mount luminaire (30*30), Satin white diffuser, 4000K, LED1, 1900 Lumens, 24W, Black



About Product

OPTiLED surface mount luminaire is designed and manufactured by Megalite for modern office and commercial lighting applications in smaller areas. Uniform light distribution, energy saving, glare control, and aesthetically beautiful and minimal design are among the highlights of this luminaire.



Technical Information

Luminaire Name:	OPTiLED
Catalog Code/product code:	M421ESS1LED1840-BL
Mounting Type:	Surface Mounted
Application:	Hospitality, Shopping centers, Hypermarket, Office
Light source type:	DOB LED (PF> 0.8)
Module/ Lamp quantity:	1
CCT (Color temperature):	4000K - Neutral White
Light source:	LED
LED Module brand name:	Edison
Lumen maintenance:	> 50.000 hours
Lumen maintenance factor:	L70
CRI (Color rendering index):	> 80
Power Consumption:	24
Luminous Flux:	1900
Efficacy (lm/W):	79
IP (Ingress Protection):	IP40
Insulation Class:	Class I
FLICKER:	Flicker Free
Mains voltage:	220~240 VAC
Voltage Frequency:	50 Hz

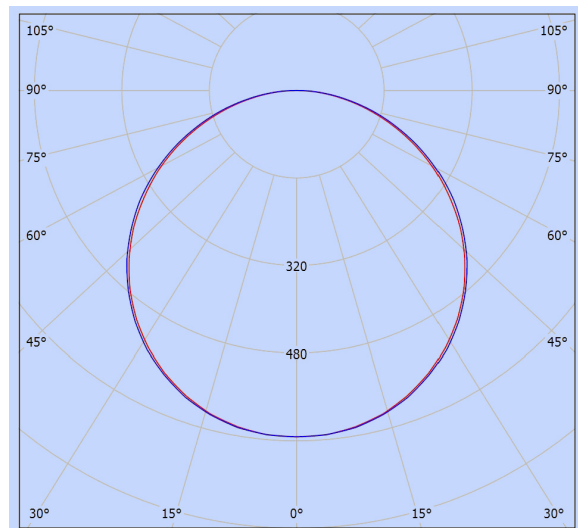
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Wire / Cable Spec:	PVC solid wire
Wire cross section:	0.5
Terminal material:	Polycarbonate
Terminal Spec:	Tool free wire connection, 3-Pole (Size: 2.5), Cable looping is possible
Cable Looping:	Yes
Body Material:	Cold rolled steel sheet with polycarbonate rim
Body Coating:	Powder coated
Body Color:	Black
RAL:	RAL9005
Diffuser/Glass Material:	Polystyrene sheet
Diffuser/Glass Shape:	Satin white
Diffuser/Glass Characteristic:	Glare control, Uniform and symmetrical light distribution, Optimum efficacy and high light source hiding for glare control
Lens Material:	clear Acrylic
Light Distribution:	Uniform light distribution
Bracket Material:	Galvanized steel sheet
Packaging type:	Nylon cover and carton
Weight(Kg):	0.88
Dimensions(mm):	284x284x35

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Photometric Graph



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	18.5	19.9	18.8	20.1	20.4	18.7	20.0	19.0	20.2	20.5
	3H	20.3	21.5	20.6	21.8	22.1	20.5	21.7	20.8	22.0	22.2
	4H	21.0	22.1	21.3	22.4	22.7	21.2	22.3	21.5	22.6	22.9
	6H	21.4	22.5	21.8	22.8	23.1	21.7	22.7	22.0	23.0	23.4
	8H	21.6	22.6	21.9	22.9	23.3	21.8	22.9	22.2	23.2	23.5
4H	12H	21.7	22.7	22.0	23.0	23.3	21.9	22.9	22.3	23.3	23.6
	2H	19.1	20.3	19.5	20.6	20.8	19.2	20.4	19.5	20.7	20.9
	3H	21.1	22.1	21.5	22.4	22.7	21.2	22.2	21.6	22.6	22.9
	4H	21.9	22.8	22.3	23.1	23.5	22.1	23.0	22.5	23.3	23.7
	6H	22.5	23.3	22.9	23.6	24.0	22.7	23.5	23.1	23.9	24.3
8H	8H	22.7	23.4	23.1	23.8	24.2	22.9	23.7	23.4	24.0	24.5
	12H	22.8	23.5	23.3	23.9	24.3	23.1	23.7	23.5	24.2	24.6
	4H	22.2	22.9	22.6	23.3	23.7	22.3	23.1	22.8	23.5	23.9
	6H	22.9	23.5	23.4	23.9	24.4	23.1	23.7	23.6	24.1	24.6
	8H	23.2	23.7	23.7	24.2	24.6	23.4	23.9	23.9	24.4	24.9
12H	12H	23.4	23.8	23.9	24.3	24.8	23.7	24.1	24.2	24.6	25.1
	4H	22.2	22.9	22.7	23.3	23.7	22.4	23.0	22.8	23.4	23.9
	6H	23.0	23.5	23.5	24.0	24.4	23.2	23.7	23.7	24.1	24.6
	8H	23.3	23.8	23.8	24.2	24.7	23.5	24.0	24.0	24.4	24.9

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 / -0.3	+0.2 / -0.3
S = 2.0H	+0.4 / -0.6	+0.4 / -0.6

Standard table	BK06	BK06
Correction Summand	3.9	4.1

Corrected Glare Indices referring to 1900lm Total Luminous Flux

Dimensional Drawing

