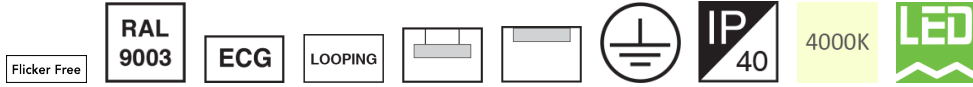


## M421S6LED2840-W

**OPTiLED surface mount/suspended luminaire (60\*60), Satin white diffuser, 4000K, LED2, 4500 Lumens, 42W, White**



### About Product

OPTiLED surface mount / suspended luminaire is designed and manufactured by Megalite for modern office and commercial lighting applications. 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:	M421S6LED2840-W
Mounting Type:	Surface Mounted, Suspended
Application:	Hypermarket, Office, Hospitality, Shopping centers
Light source type:	LED
Module/ Lamp quantity:	6
CCT (Color temperature):	4000K - Neutral White
Light source:	LED
LED Module brand name:	Edison
Lumen maintenance:	> 50.000 h
Lumen maintenance factor:	L70
CRI (Color rendering index):	> 80
Power Consumption:	42
Luminous Flux:	4500
Efficacy (lm/W):	107
IP (Ingress Protection):	IP40
Insulation Class:	Class I
Ballast/ Driver:	Constant Current Driver (PF> 0.9)
Ballast/ Driver brand name:	Vossloh Schwabe
FLICKER:	Flicker Free

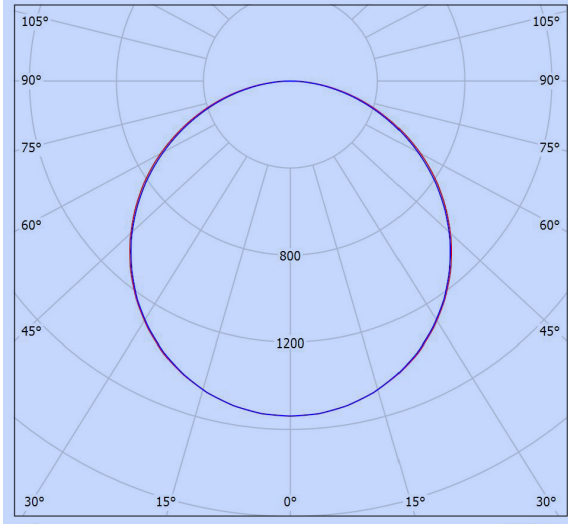
**M421S6LED2840-W****OPTiLED surface mount/suspended luminaire (60\*60), Satin white diffuser, 4000K, LED2, 4500 Lumens, 42W, White**

Ballast/ driver Spec:	Non-dimmable
Ballast/ Driver (Channel quantity):	Single channel
Mains voltage:	220~240 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 is possible. Tool free wire connection
Cable Looping:	Yes
Body Material:	Cold rolled steel sheet with polycarbonate rim
Body Coating:	Powder coated
Body Color:	White
RAL:	RAL9003
Diffuser/Glass Material:	Polystyrene sheet
Diffuser/Glass Shape:	Satin white
Diffuser/Glass Characteristic:	Optimum efficacy and high light source hiding for glare control, Uniform light distribution
Light Distribution:	Uniform light distribution
Bracket Material:	Extruded aluminum profile
Packaging type:	Nylon cover and carton
Weight(Kg):	3.9
Dimensions(mm):	597x597x50

## M421S6LED2840-W

**OPTiLED surface mount/suspended luminaire (60\*60), Satin white diffuser, 4000K, LED2, 4500 Lumens, 42W, White**

### Photometric Graph



Glare Evaluation According to UGR											
		70	70	50	30	70	70	50	50	30	
p Ceiling		70	70	50	30	70	70	50	50	30	
p Walls		50	30	50	30	30	50	30	50	30	
p Floor		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	17.0	18.3	17.3	18.5	18.8	16.9	18.2	17.2	18.5	18.7
	3H	18.8	20.0	19.1	20.3	20.5	18.7	19.9	19.0	20.2	20.4
	4H	19.5	20.6	19.8	20.9	21.2	19.3	20.5	19.7	20.8	21.1
	6H	20.0	21.1	20.4	21.4	21.7	19.8	20.9	20.2	21.2	21.5
	8H	20.2	21.2	20.6	21.5	21.9	20.0	21.0	20.4	21.3	21.7
12H	20.3	21.3	20.7	21.6	22.0	20.1	21.1	20.5	21.4	21.7	
4H	2H	17.5	18.7	17.9	19.0	19.2	17.5	18.6	17.8	18.9	19.2
	3H	19.6	20.5	19.9	20.9	21.2	19.5	20.4	19.8	20.8	21.1
	4H	20.4	21.3	20.8	21.6	22.0	20.3	21.2	20.7	21.5	21.9
	6H	21.1	21.9	21.5	22.2	22.6	20.9	21.7	21.3	22.1	22.5
	8H	21.3	22.0	21.8	22.4	22.8	21.1	21.8	21.6	22.2	22.6
12H	21.5	22.1	21.9	22.5	23.0	21.3	21.9	21.7	22.3	22.8	
8H	4H	20.7	21.4	21.1	21.8	22.2	20.6	21.3	21.0	21.7	22.1
	6H	21.5	22.1	22.0	22.5	23.0	21.4	21.9	21.8	22.4	22.8
	8H	21.8	22.4	22.3	22.8	23.3	21.7	22.2	22.1	22.6	23.1
	12H	22.1	22.5	22.6	23.0	23.5	21.9	22.3	22.4	22.8	23.3
	12H	22.1	22.5	22.6	23.0	23.5	21.9	22.3	22.4	22.8	23.3
12H	4H	20.7	21.4	21.2	21.8	22.2	20.6	21.3	21.1	21.7	22.1
	6H	21.6	22.1	22.1	22.5	23.0	21.4	21.9	21.9	22.4	22.9
	8H	21.9	22.4	22.4	22.9	23.4	21.8	22.2	22.3	22.7	23.2
	12H	22.1	22.5	22.6	23.0	23.5	21.9	22.3	22.4	22.8	23.3
	12H	22.1	22.5	22.6	23.0	23.5	21.9	22.3	22.4	22.8	23.3
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 / -0.3					+0.2 / -0.3				
S = 2.0H		+0.4 / -0.6					+0.4 / -0.6				
Standard table		BK06					BK06				
Correction Summand		-0.5					-0.7				
Corrected Glare Indices referring to 4500lm Total Luminous Flux											

### Dimensional Drawing

