

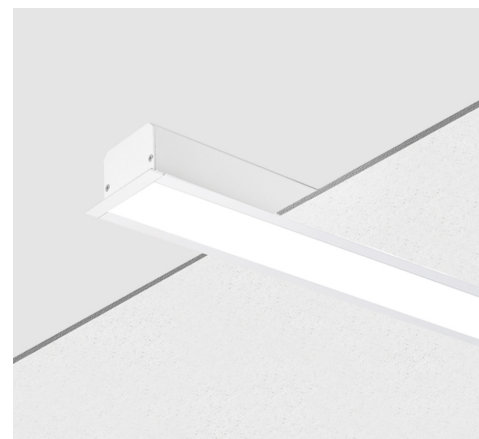
M440DS145LED2AF-W

INFINITY-DS shallow recessed continuous light bar, Satin white Acrylic diffuser, Length: 145cm, 4000K, LED2, 4500 Lumens, 39W, White



About Product

INFINITY-DS Shallow recessed continuous light bar is designed and developed by Mazinoor for continuous light bar applications with limited space behind the false ceiling. Short luminaire height, uniform light distribution, energy saving, glare control, and aesthetically beautiful design with unparalleled performance are among the highlights of INFINITY-DS.



Technical Information

Catalog Code/product code:	M440DS145LED2AF-W
Mounting Type:	Recessed-Gypsum false ceiling
Application:	Hypermarket, Hospitality, Gallery and museum, Office, Shopping centers
Light source type:	LED
Module/ Lamp quantity:	3
CCT (Color temperature):	4000K - Neutral White
Light source:	LED
Lumen maintenance:	> 60.000 hours
Lumen maintenance factor:	L70
CRI (Color rendering index):	> 80
Power Consumption:	39
Luminous Flux:	4500
Efficacy (lm/W):	115
IP (Ingress Protection):	IP43 (Underside)
Insulation Class:	Class I
Ballast/ Driver:	Constant Current Driver (PF> 0.9)
FLICKER:	Flicker Free
Ballast/ driver Spec:	Non-dimmable
Control method options:	On/Off, DALI, Push
Ballast/ Driver (Channel quantity):	Single channel

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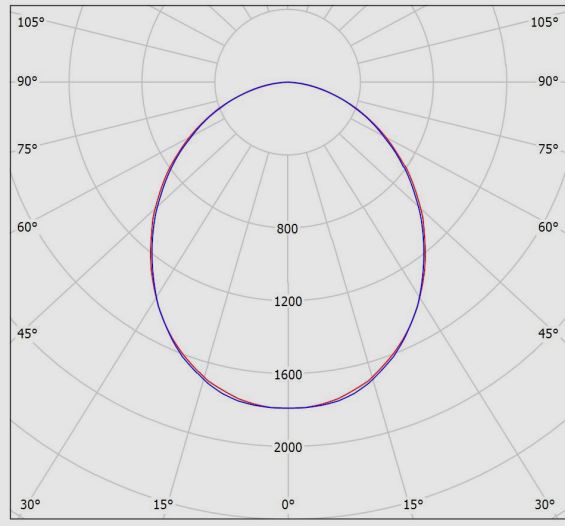
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Mains voltage:	220~240 VAC±10%
Voltage Frequency:	50/60 Hz
Wire / Cable Spec:	PVC solid wire
Wire cross section:	0.5
Terminal material:	Polycarbonate
Terminal Spec:	Tool free wire connection. Cable looping is possible, 3-Pole (Size: 2.5)
Cable Looping:	Yes
Body Material:	Extruded aluminum profile
Body Coating:	Powder coated
Body Color:	White
RAL:	RAL9016
End Caps Material:	Extruded aluminum profile
Diffuser/Glass Material:	Satin white PMMA (Acrylic) extruded profile diffuser
Diffuser/Glass Shape:	Satin white
Diffuser/Glass Characteristic:	High efficiency, Resistant to scratches, UV stabilized, Uniform light distribution
Light Distribution:	Uniform light distribution
Clamp Material:	Stainless steel clips
Clamp Characteristic:	Easy and safe tool free installation of the luminaire
Packaging type:	Nylon cover and carton
Order Option (non-Routine):	Dimmable DALI PUSH driver
Weight(Kg):	1.7
Dimensions(mm):	1430x85x48

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Photometric Graph



Glare Evaluation According to UGR												
p Ceiling		70	70	50	50	30	70	70	50	50	30	30
p Walls		50	30	50	30	30	50	30	50	30	30	30
p Floor		20	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	19.7	18.7	20.0	20.2	20.0	21.3	20.3	21.5	21.8	
	3H	19.4	20.5	19.7	20.8	21.1	21.4	22.5	21.7	22.8	23.1	
	4H	19.7	20.7	20.0	21.0	21.3	21.9	23.0	22.2	23.3	23.5	
	6H	19.8	20.8	20.1	21.1	21.4	22.2	23.3	22.6	23.5	23.9	
	8H	19.8	20.8	20.2	21.1	21.4	22.3	23.3	22.7	23.6	23.9	
	12H	19.8	20.7	20.1	21.0	21.4	22.4	23.3	22.8	23.6	24.0	
4H	2H	19.0	20.1	19.4	20.4	20.7	20.3	21.4	20.7	21.7	22.0	
	3H	20.1	21.0	20.5	21.4	21.7	21.8	22.7	22.2	23.0	23.4	
	4H	20.5	21.3	20.9	21.6	22.0	22.4	23.2	22.8	23.6	23.9	
	6H	20.7	21.4	21.1	21.8	22.2	22.8	23.5	23.2	23.9	24.3	
	8H	20.7	21.4	21.1	21.7	22.2	23.0	23.6	23.4	24.0	24.4	
	12H	20.7	21.3	21.1	21.7	22.1	23.0	23.6	23.5	24.0	24.5	
8H	4H	20.7	21.3	21.1	21.7	22.1	22.5	23.1	22.9	23.5	23.9	
	6H	20.9	21.5	21.4	21.9	22.4	23.0	23.5	23.4	23.9	24.4	
	8H	21.0	21.5	21.5	21.9	22.4	23.1	23.6	23.6	24.0	24.5	
	12H	21.0	21.4	21.5	21.9	22.4	23.2	23.6	23.7	24.1	24.6	
	4H	20.7	21.3	21.1	21.7	22.1	22.4	23.0	22.9	23.4	23.9	
	6H	21.0	21.4	21.4	21.9	22.3	22.9	23.4	23.4	23.9	24.3	
12H	8H	21.0	21.4	21.5	21.9	22.4	23.1	23.5	23.6	24.0	24.5	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+0.2 / -0.3					+0.1 / -0.2					
S = 1.5H		+0.4 / -0.8					+0.5 / -0.6					
S = 2.0H		+0.9 / -1.5					+1.1 / -1.3					
Standard table		BK03					BK05					
Correction												
Summand		3.1					6.1					
Corrected Glare Indices referring to 4500lm Total Luminous Flux												

Dimensional Drawing

