

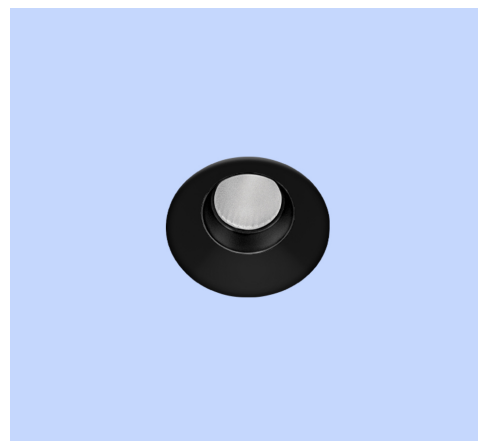
M597EMD41LED2840-BL

ARTEMIS (DOB) recessed round super comfort trimless downlight, Medium light distribution, 10-cm Dia., 4000K, LED2, 700 Lumens, 10W, Black



About Product

ARTEMIS modern recessed round super comfort (Darklight) trimless downlight luminaire is designed and manufactured by Megalite for modern office and commercial lighting applications. Durability, UV free, excellent visual comfort, energy saving, glare control, environment friendliness, and higher than 80 color rendering index (CRI) are among the highlights of this luminaire.



Technical Information

Luminaire Name:	ARTEMIS
Catalog Code/product code:	M597EMD41LED2840-BL
Mounting Type:	Recessed-Gypsum false ceiling
Application:	Office, Hospitality, Shopping centers, Gallery and museum
Light source type:	DOB LED (PF> 0.9)
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:	10
Luminous Flux:	700
Efficacy (lm/W):	70
IP (Ingress Protection):	IP43 (Underside)
Insulation Class:	Class I
Mains voltage:	198~253 VAC
Voltage Frequency:	50/60 Hz
Wire / Cable Spec:	PVC solid wire

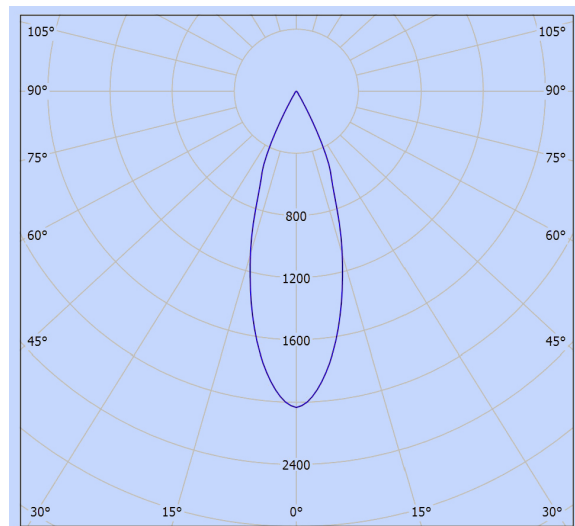
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Wire cross section:	0.5
Terminal material:	Polyamide
Terminal Spec:	Cable looping is possible. Tool free wire connection, 3-Pole (Size: 2.5)
Cable Looping:	Yes
Body Material:	Die-Cast aluminum
Body Coating:	Powder coated
Body Color:	Black
RAL:	RAL9005
Body Characteristic:	Specially designed cooling feature
Reflector Material:	Polycarbonate
Reflector Coating:	Vacuum coat
Diffuser/Glass Material:	Polycarbonate
Diffuser/Glass Shape:	Frosted
Diffuser/Glass Characteristic:	Uniform light distribution
Light Distribution:	35 degrees
Clamp Material:	Stainless steel
Clamp Characteristic:	Easy and safe tool free installation of the luminaire
Bracket Material:	Sturdy powder coated high pressure die-cast aluminum
Packaging type:	Nylon cover and carton
Weight(Kg):	0.35
Dimensions(mm):	Ø110x95

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Photometric Graph



Glare Evaluation According to UGR

Room Size		70	70	50	50	30	70	70	50	50	30
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		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
X	Y										
2H	2H	-15.2	-14.6	-15.0	-14.4	-14.2	-15.2	-14.6	-15.0	-14.4	-14.2
	3H	-15.4	-14.8	-15.1	-14.5	-14.3	-15.4	-14.8	-15.1	-14.5	-14.3
	4H	-15.4	-14.9	-15.1	-14.6	-14.4	-15.4	-14.9	-15.1	-14.6	-14.4
	6H	-15.5	-15.0	-15.2	-14.7	-14.4	-15.5	-15.0	-15.2	-14.7	-14.4
	8H	-15.5	-15.1	-15.2	-14.8	-14.5	-15.5	-15.1	-15.2	-14.8	-14.5
4H	12H	-15.6	-15.1	-15.2	-14.8	-14.5	-15.6	-15.1	-15.2	-14.8	-14.5
	2H	-15.4	-14.9	-15.1	-14.6	-14.4	-15.4	-14.9	-15.1	-14.6	-14.4
	3H	-15.6	-15.1	-15.2	-14.8	-14.5	-15.6	-15.1	-15.2	-14.8	-14.5
	4H	-15.6	-15.3	-15.3	-14.9	-14.6	-15.6	-15.3	-15.3	-14.9	-14.6
	6H	-15.7	-15.4	-15.3	-15.0	-14.7	-15.7	-15.4	-15.3	-15.0	-14.7
8H	8H	-15.8	-15.5	-15.4	-15.1	-14.7	-15.8	-15.5	-15.4	-15.1	-14.7
	12H	-15.8	-15.6	-15.4	-15.2	-14.7	-15.8	-15.6	-15.4	-15.2	-14.7
	4H	-15.8	-15.5	-15.4	-15.1	-14.7	-15.8	-15.5	-15.4	-15.1	-14.7
	6H	-15.9	-15.6	-15.4	-15.2	-14.8	-15.9	-15.6	-15.4	-15.2	-14.8
	8H	-15.9	-15.7	-15.4	-15.3	-14.8	-15.9	-15.7	-15.4	-15.3	-14.8
12H	12H	-16.0	-15.8	-15.5	-15.3	-14.9	-16.0	-15.8	-15.5	-15.3	-14.9
	4H	-15.8	-15.6	-15.4	-15.2	-14.7	-15.8	-15.6	-15.4	-15.2	-14.7
	6H	-15.9	-15.7	-15.4	-15.3	-14.8	-15.9	-15.7	-15.4	-15.3	-14.8
	8H	-16.0	-15.8	-15.5	-15.3	-14.9	-16.0	-15.8	-15.5	-15.3	-14.9

Variation of the observer position for the luminaire distances S

S = 1.0H	+5.3 / -10.6	+5.3 / -10.6
S = 1.5H	+8.0 / -87.1	+8.0 / -87.1
S = 2.0H	+10.0 / -85.1	+10.0 / -85.1

Standard table	BK00	BK00
Correction Summand	-14.1	-14.1

Corrected Glare Indices referring to 700lm Total Luminous Flux

Dimensional Drawing

