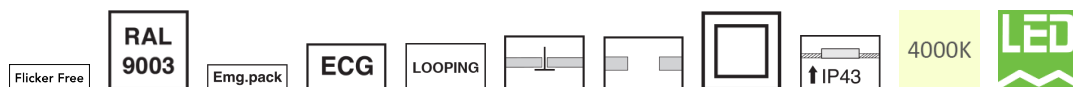


M589D81LED3V40-W

DIANA ViVo recessed downlight with reflector, 20-cm Dia., 4000K, LED3, 2400 Lumens, 20W, White



About Product

DIANA recessed downlight luminaire is designed and manufactured by Megalite in various sizes for modern office and commercial lighting applications. Durability, UV free, energy saving, environment friendliness, and higher than 80 color rendering index (CRI) are among the highlights of this luminaire.



Technical Information

Luminaire Name:	DIANA
Catalog Code/product code:	M589D81LED3V40-W
Mounting Type:	Recessed-Gypsum false ceiling, Recessed-Exposed false ceiling
Application:	Shopping centers, Gallery and museum, Office, Hospitality
Light source type:	LED
Module/ Lamp quantity:	1
CCT (Color temperature):	4000K - Neutral White
Light source:	LED
LED Module brand name:	Philips
Lumen maintenance:	> 100.000 hours
Lumen maintenance factor:	L85
CRI (Color rendering index):	> 90
Power Consumption:	20
Luminous Flux:	2400
Efficacy (lm/W):	120
IP (Ingress Protection):	IP43 (Underside)
Insulation Class:	Class II
Ballast/ Driver:	Constant Current Driver (PF> 0.9)
Ballast/ Driver brand name:	Vossloh Schwabe
Driver quantity:	-

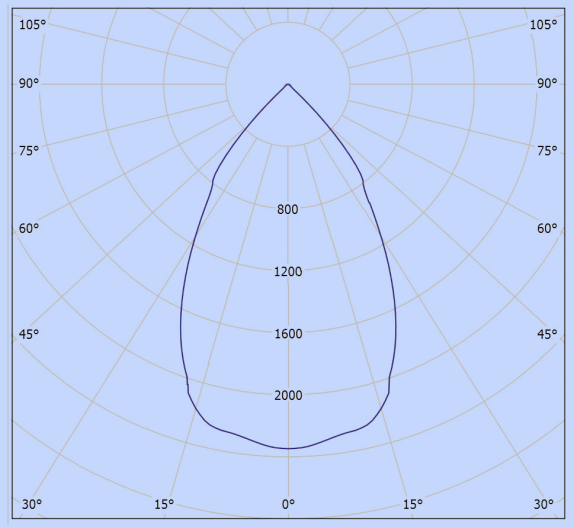
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FLICKER:	Flicker Free
Ballast/ driver Spec:	Non-dimmable
Ballast/ Driver (Channel quantity):	Single channel
Mains voltage:	220~240 VAC±10%
Voltage Frequency:	50/60 Hz
Wire / Cable Spec:	PVC solid wire
Wire cross section:	0.5
Terminal material:	Polycarbonate
Terminal Spec:	Cable looping is possible, Tool free wire connection, 3-Pole (Size: 2.5), 2 pole (Size: 2.5)
Cable Looping:	Yes
Body Material:	Die-Cast aluminum
Body Coating:	Powder coated
Body Color:	White
RAL:	RAL9003
Reflector Material:	aluminum sheet
Reflector Coating:	Pre-anodized
Reflector Characteristic:	Uniform light distribution, High reflectivity
Diffuser/Glass Material:	Acrylic sheet
Diffuser/Glass Shape:	Clear
Diffuser/Glass Characteristic:	High light transmission
Light Distribution:	60 degrees
Clamp Material:	Stainless steel
Clamp Characteristic:	Installing the luminaire with adjustment possibility to fit different false ceiling thicknesses
Packaging type:	Nylon cover and carton
Dimensions(mm):	Ø220x87
Luminaire mechanical impact resistance:	-
Order Option (Routine option):	Dimmable DALI PUSH driver, Emergency battery, 5000K color temperature

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Photometric Graph



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	15.3	16.0	15.5	16.2	16.4	15.3	16.0	15.5	16.2
	3H	15.2	15.8	15.5	16.1	16.3	15.2	15.8	15.5	16.1
	4H	15.1	15.7	15.4	16.0	16.2	15.1	15.7	15.4	16.0
	6H	15.0	15.6	15.4	15.9	16.2	15.0	15.6	15.4	15.9
	8H	15.0	15.5	15.3	15.8	16.1	15.0	15.5	15.3	15.8
12H	15.0	15.5	15.3	15.8	16.1	15.0	15.5	15.3	15.8	
4H	2H	15.1	15.7	15.4	16.0	16.2	15.1	15.7	15.4	16.0
	3H	15.0	15.5	15.3	15.8	16.1	15.0	15.5	15.3	15.8
	4H	14.9	15.3	15.3	15.7	16.0	14.9	15.3	15.3	15.7
	6H	14.8	15.2	15.2	15.6	15.9	14.8	15.2	15.2	15.6
	8H	14.8	15.1	15.2	15.5	15.9	14.8	15.1	15.2	15.5
12H	14.7	15.0	15.2	15.4	15.9	14.7	15.0	15.2	15.4	
8H	4H	14.8	15.1	15.2	15.5	15.9	14.8	15.1	15.2	15.5
	6H	14.7	15.0	15.1	15.4	15.8	14.7	15.0	15.1	15.4
	8H	14.7	14.9	15.1	15.3	15.8	14.7	14.9	15.1	15.3
	12H	14.6	14.8	15.1	15.3	15.7	14.6	14.8	15.1	15.3
	12H	14.6	14.8	15.1	15.3	15.7	14.6	14.8	15.1	15.3
Variation of the observer position for the luminaire distances S										
S = 1.0H		+3.4 / -13.4					+3.4 / -13.4			
S = 1.5H		+6.1 / -14.5					+6.1 / -14.5			
S = 2.0H		+8.1 / -15.1					+8.1 / -15.1			
Standard table		BK00					BK00			
Correction Summand		-3.4					-3.4			
Corrected Glare Indices referring to 2400lm Total Luminous Flux										

Dimensional Drawing

