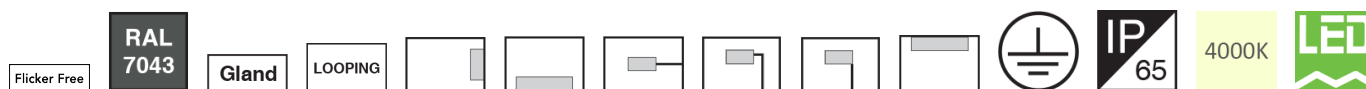


M317EXSW1LED1840-S

POLARIS XS (DOB) floodlight, Wide light distribution, 4000K, LED1, 2000 Lumens, 20W, Gray



About Product

POLARIS floodlight is designed and manufactured by Megalite for outdoor and indoor floodlight applications. Durability, high ingress protection (IP65), and low energy consumption are among the highlights of this luminaire.



Technical Information

Luminaire Name:	POLARIS
Catalog Code/product code:	M317EXSW1LED1840-S
Mounting Type:	Surface Mounted, Vertical pole mounting, Horizontal boom mounting, Wall mounting with bracket, Ground mounting, Wall Mounted; Surface Mounted
Application:	Facade and architectural lighting
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:	20
Luminous Flux:	2000
Efficacy (lm/W):	100
IP (Ingress Protection):	IP65
Insulation Class:	Class I
Max. Ambient Temperature:	55°C
Min. Ambient Temperature:	-30°C

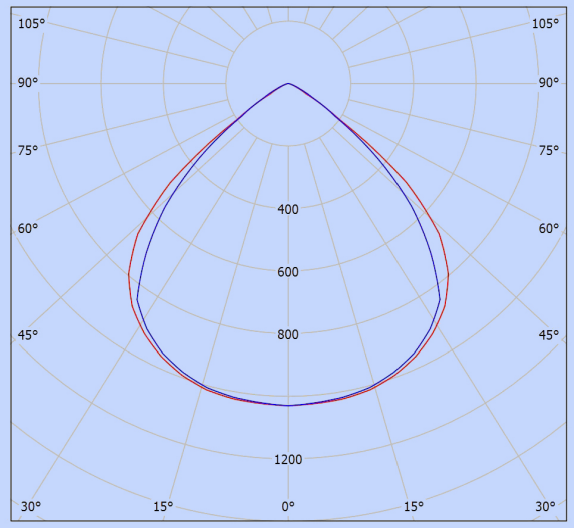
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FLICKER:	Flicker Free
Mains voltage:	220~240 VAC
Voltage Frequency:	50 Hz
Wire / Cable Spec:	GF PVC solid wire
Wire cross section:	0.5
Terminal material:	Polycarbonate
Terminal Spec:	Cable looping is possible, Tool free wire connection, 3-Pole (Size: 2.5)
Cable Looping:	Yes
Cable Gland Spec:	Polyamide
Cable gland type:	M16
Body Material:	Die-Cast aluminum
Body Coating:	Powder coated
Body Color:	Gray
RAL:	RAL7043
Body Characteristic:	Specially designed cooling feature
Diffuser/Glass Material:	Tempered glass
Diffuser/Glass Shape:	Flat
Diffuser/Glass Characteristic:	5mm thickness
Lens Material:	Clear polycarbonate
Light Distribution:	90 degrees
Gasket Material:	silicon
Gasket Characteristic:	High thermal resistance, Resistant to pressure, Ingress protection against dust and moisture
Interior Connection Material:	Galvanized coated
Exterior Connection Material:	Dacromet coated
Packaging type:	Nylon cover and carton
Weight(Kg):	0.86
Dimensions(mm):	190x140x50
Luminaire mechanical impact resistance:	IK09

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POLARIS XS (DOB) floodlight, Wide light distribution, 4000K, LED1, 2000 Lumens, 20W, Gray

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	14.1	15.0	14.3	15.3	15.5	19.8	20.8	20.1	21.0	21.2	
	3H	14.2	15.0	14.5	15.3	15.5	19.8	20.7	20.1	20.9	21.2	
	4H	14.1	15.0	14.4	15.2	15.5	19.8	20.6	20.1	20.8	21.1	
	6H	14.1	14.9	14.4	15.1	15.4	19.7	20.5	20.0	20.7	21.0	
	8H	14.1	14.8	14.4	15.1	15.4	19.7	20.4	20.0	20.7	21.0	
4H	12H	14.0	14.7	14.4	15.0	15.3	19.6	20.3	20.0	20.6	20.9	
	2H	14.3	15.1	14.6	15.4	15.7	19.7	20.5	20.0	20.7	21.0	
	3H	14.4	15.1	14.8	15.4	15.7	19.7	20.4	20.1	20.7	21.0	
	4H	14.4	15.0	14.8	15.3	15.7	19.7	20.3	20.1	20.6	21.0	
	6H	14.4	14.9	14.8	15.2	15.6	19.6	20.1	20.0	20.5	20.9	
8H	8H	14.3	14.8	14.8	15.2	15.6	19.6	20.0	20.0	20.4	20.8	
	12H	14.3	14.7	14.7	15.1	15.5	19.5	19.9	20.0	20.4	20.8	
	4H	14.4	14.8	14.8	15.2	15.6	19.6	20.0	20.0	20.4	20.8	
	6H	14.3	14.7	14.8	15.1	15.6	19.5	19.9	20.0	20.3	20.7	
	8H	14.3	14.6	14.7	15.0	15.5	19.5	19.8	19.9	20.2	20.7	
12H	12H	14.2	14.5	14.7	15.0	15.5	19.4	19.7	19.9	20.2	20.7	
	4H	14.3	14.7	14.8	15.1	15.6	19.5	19.9	20.0	20.3	20.8	
	6H	14.3	14.6	14.7	15.0	15.5	19.5	19.8	19.9	20.2	20.7	
	8H	14.2	14.5	14.7	15.0	15.5	19.4	19.7	19.9	20.2	20.7	
Variation of the observer position for the luminaire distances S												
S = 1.0H		+1.9 / -6.8					+1.4 / -3.1					
S = 1.5H		+3.9 / -13.3					+2.8 / -7.6					
S = 2.0H		+5.9 / -16.5					+4.7 / -11.6					
Standard table		BK00					BK00					
Correction Summand		2.8					3.3					
Corrected Glare Indices referring to 2000lm Total Luminous Flux												

Dimensional Drawing

