

M313NLED9730-S

SATURN floodlight, Narrow light distribution, 3000K, LED9, 30000 Lumens, 200W, Gray



About Product

SATURN floodlight, street and tunnel luminaire is Mazinoor state of the art design suitable for floodlighting and tunnel and street light application. High pressure die-cast aluminum body and high ingress protection (IP66) are among the highlights of this luminaire.



Technical Information

Catalogue Code/product code:	M313NLED9730-S
Mounting Type:	Vertical pole mounting
Application:	Parking, Facade and architectural lighting
Light source type:	LED
Module/ Lamp quantity:	4
CCT (Color temperature):	3000K - Warm White
Light source:	LED
Lumen maintenance:	> 100.000 hours
Lumen maintenance factor:	L80
CRI (Color rendering index):	> 70
Power Consumption:	200
Luminous Flux:	29000
Efficacy (lm/W):	145
IP (Ingress Protection):	IP66
Insulation Class:	Class I
Max. Ambient Temperature:	+55°C
Min. Ambient Temperature:	-40°C
Ballast/ Driver:	Constant Current Driver (PF> 0.9)
Ballast/ driver Spec:	Dimmable (1-10V)
Ballast/ Driver (Channel quantity):	Single channel

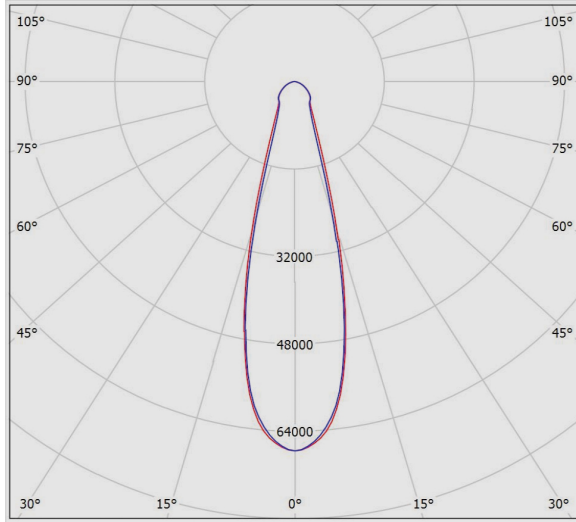
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Mains voltage:	100~277 VAC±10%
Voltage Frequency:	50/60 Hz
Wire / Cable Spec:	PVC solid wire
Wire cross section:	0.5
Socket & Plug:	Polyamide
Socket & Plug Spec:	3-Pole (Size: 2.5)
Cable Looping:	Yes
Cable Gland Spec:	Polyamide
Cable gland type:	PG13.5
Body Material:	Die-Cast aluminum
Body Coating:	Powder coated
Body Color:	Gray
RAL:	RAL7043
Body Characteristic:	Adjustable to desired angle
Diffuser/Glass Material:	Tempered glass
Diffuser/Glass Shape:	Clear
Diffuser/Glass Characteristic:	5mm thickness. High thermal resistance. High mechanical resistant
Lens Material:	Clear polycarbonate
Light Distribution:	25 degrees
Gasket Material:	silicon
Gasket Characteristic:	High thermal resistance. Resistant to pressure
Bracket Material:	Galvanized steel sheet
Interior Connection Material:	Galvanized coated
Exterior Connection Material:	Dacromet coated
Packaging type:	Nylon cover and carton
Other Characteristics:	Sturdy gray powder coated swivel base with scale and stainless steel bolts for adjusting the floodlight to the desired angle
Weight(Kg):	9.2
Dimensions(mm):	Ø515x110
Luminaire mechanical impact resistance:	IK08

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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		50	30	50	30	30	50	30	50	30	30
p Walls		20	20	20	20	20	20	20	20	20	20
p 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	22.4	23.4	22.7	23.6	23.8	22.3	23.2	22.5	23.4	23.7
	3H	23.4	24.3	23.7	24.5	24.8	23.2	24.0	23.5	24.3	24.5
	4H	23.6	24.5	24.0	24.7	25.0	23.4	24.2	23.7	24.5	24.8
	6H	23.7	24.5	24.1	24.8	25.1	23.5	24.2	23.8	24.5	24.8
	8H	23.7	24.5	24.1	24.8	25.1	23.4	24.2	23.8	24.5	24.8
12H	23.7	24.4	24.1	24.7	25.0	23.4	24.1	23.8	24.4	24.8	
4H	2H	22.9	23.7	23.2	24.0	24.2	22.8	23.6	23.1	23.9	24.1
	3H	24.0	24.7	24.3	25.0	25.3	23.8	24.5	24.1	24.8	25.1
	4H	24.3	24.9	24.7	25.3	25.6	24.1	24.7	24.5	25.0	25.4
	6H	24.4	25.0	24.8	25.3	25.7	24.2	24.7	24.6	25.1	25.5
	8H	24.4	24.9	24.9	25.3	25.7	24.2	24.7	24.6	25.1	25.5
12H	24.4	24.8	24.9	25.2	25.7	24.2	24.6	24.6	25.0	25.4	
8H	4H	24.4	24.9	24.8	25.2	25.6	24.2	24.6	24.6	25.0	25.4
	6H	24.5	24.9	25.0	25.3	25.8	24.3	24.7	24.8	25.1	25.6
	8H	24.6	24.9	25.0	25.3	25.8	24.3	24.7	24.8	25.1	25.6
	12H	24.5	24.8	25.0	25.3	25.8	24.3	24.6	24.8	25.0	25.5
	4H	24.4	24.8	24.8	25.2	25.6	24.2	24.6	24.6	25.0	25.4
6H	24.5	24.8	25.0	25.3	25.8	24.3	24.6	24.8	25.1	25.5	
8H	24.5	24.8	25.0	25.3	25.8	24.3	24.6	24.8	25.0	25.5	
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.2 / -0.3					+0.2 / -0.3				
S = 1.5H		+0.4 / -0.8					+0.5 / -0.9				
S = 2.0H		+1.0 / -1.4					+1.1 / -1.6				
Standard table		BK03					BK03				
Correction Summand		6.8					6.6				
Corrected Glare Indices referring to 29000lm Total Luminous Flux											

Dimensional Drawing

