Mazinoor
Different Experience Beyond Illumination

M313NLED10730-S

SATURN floodlight, Narrow light distribution, 3000K, LED10, 34000 Lumens, 240W, Gray

RAL 7043 | ECG | 1-10 V | Gland | LOOPING | IP 66 | 3000K | LED

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

Cataloge Code/product code:	M313NLED10730-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:	240
Luminous Flux:	33000
Efficacy (lm/W):	138
IP (Ingress Protection):	IP66
Insulation Class:	Class I
Max. Ambient Temperature:	+50°C
Min. Ambient Temperature:	-30°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:	High thermal resistance، High mechanical resistant، 5mm thickness
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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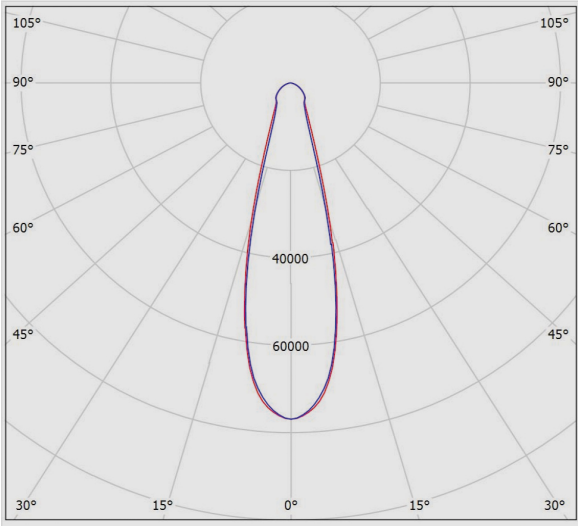
Photometric Graph



Glare Evaluation According to UGR

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	22.9	23.8	23.1	24.0	24.3	22.7	23.7	23.0	23.9	24.1
	3H	23.8	24.7	24.1	25.0	25.2	23.6	24.5	23.9	24.7	25.0
	4H	24.1	24.9	24.4	25.2	25.5	23.8	24.7	24.2	24.9	25.2
	6H	24.2	24.9	24.5	25.2	25.5	23.9	24.7	24.3	25.0	25.3
	8H	24.2	24.9	24.5	25.2	25.5	23.9	24.6	24.2	24.9	25.2
	12H	24.1	24.8	24.5	25.2	25.5	23.9	24.6	24.2	24.9	25.2
4H	2H	23.3	24.2	23.7	24.4	24.7	23.2	24.0	23.5	24.3	24.6
	3H	24.4	25.1	24.8	25.4	25.8	24.2	24.9	24.6	25.2	25.6
	4H	24.8	25.4	25.1	25.7	26.1	24.5	25.1	24.9	25.5	25.8
	6H	24.9	25.4	25.3	25.8	26.2	24.6	25.2	25.1	25.5	25.9
	8H	24.9	25.4	25.3	25.7	26.2	24.6	25.1	25.1	25.5	25.9
	12H	24.9	25.3	25.3	25.7	26.1	24.6	25.0	25.1	25.4	25.9
8H	4H	24.8	25.3	25.3	25.7	26.1	24.6	25.1	25.0	25.5	25.9
	6H	25.0	25.4	25.4	25.8	26.2	24.8	25.1	25.2	25.6	26.0
	8H	25.0	25.3	25.5	25.8	26.2	24.8	25.1	25.2	25.5	26.0
	12H	25.0	25.3	25.5	25.7	26.2	24.8	25.0	25.2	25.5	26.0
12H	4H	24.8	25.2	25.2	25.6	26.1	24.6	25.0	25.0	25.4	25.9
	6H	25.0	25.3	25.4	25.7	26.2	24.8	25.1	25.2	25.5	26.0
	8H	25.0	25.3	25.5	25.7	26.2	24.8	25.0	25.2	25.5	26.0

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	7.3	7.1

Corrected Glare Indices referring to 33000lm Total Luminous Flux

Dimensional Drawing