

M312SN3LED7740-S

HERCULED S dust & moisture proof high/ low bay luminaire, Narrow light distribution, 4000K, LED7, 23000 Lumens, 150W, Gray



About Product

HERCULED S dust & moisture proof high/low bay luminaire is Megalite state of the art design suitable for surface mount or suspending in industrial area with specially designed lenses to deliver a variety of light distribution. Sturdy body and high ingress protection (IP66) are among the highlights of this luminaire.



Technical Information

Luminaire Name:	HERCULED S
Catalog Code/product code:	M312SN3LED7740-S
Mounting Type:	Surface Mounted, Suspended
Application:	Sports area, Industrial area
Light source type:	LED
Module/ Lamp quantity:	3
CCT (Color temperature):	4000K - Neutral White
Light source:	LED
LED Module brand name:	Edison
Lumen maintenance:	> 100.000 hours
Lumen maintenance factor:	L80
CRI (Color rendering index):	> 70
Power Consumption:	150
Luminous Flux:	23000
Efficacy (lm/W):	153
IP (Ingress Protection):	IP66
Insulation Class:	Class I
Max. Ambient Temperature:	55°C
Min. Ambient Temperature:	-30°C
Ballast/ Driver:	Constant Current Driver (PF> 0.9)

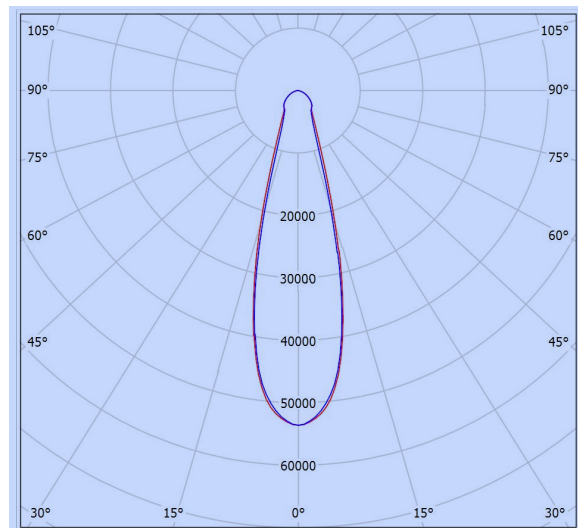
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Ballast/ Driver brand name:	Vossloh Schwabe
FLICKER:	Flicker Free
Ballast/ driver Spec:	Dimmable (1-10V)
Ballast/ Driver (Channel quantity):	Single channel
Mains voltage:	100~277 VAC±10%
Voltage Frequency:	50/60 Hz
Wire / Cable Spec:	PVC solid wire
Wire cross section:	0.5
Terminal material:	Polycarbonate
Terminal Spec:	Cable looping is possible, Tool free wire connection, 3-Pole (Size: 2.5)
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
Diffuser/Glass Material:	Tempered glass
Diffuser/Glass Shape:	Flat
Diffuser/Glass Characteristic:	High thermal resistance, 5mm thickness, High mechanical resistant
Lens Material:	clear Acrylic
Light Distribution:	25degrees
Gasket Material:	silicon
Gasket Characteristic:	High thermal resistance
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):	5.7
Dimensions(mm):	Ø380x60
Luminaire mechanical impact resistance:	IK09
Other/Spare parts:	M6 Stainless steel suspension hooks (2 pcs.), M6 nuts (4 pcs.)
Order Option (Routine option):	Gray or milk white powder coated aluminum body cover, Dimmable DALI driver

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Photometric Graph



Glare Evaluation According to UGR

		70	70	50	50	30	70	70	50	50	30
p Ceiling		50 <td>30</td> <td>50</td> <td>30</td> <td>30</td> <td>50</td> <td>30</td> <td>50</td> <td>30</td> <td>30</td>	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	21.6	22.6	21.9	22.8	23.0	21.5	22.4	21.7	22.6	22.8
	3H	22.6	23.5	22.9	23.7	24.0	22.4	23.2	22.7	23.5	23.7
	4H	22.8	23.7	23.2	23.9	24.2	22.6	23.4	22.9	23.7	24.0
	6H	22.9	23.7	23.3	24.0	24.3	22.7	23.4	23.0	23.7	24.0
	8H	22.9	23.6	23.3	23.9	24.3	22.6	23.4	23.0	23.7	24.0
	12H	22.9	23.6	23.2	23.9	24.2	22.6	23.3	23.0	23.6	23.9
4H	2H	22.1	22.9	22.4	23.2	23.4	22.0	22.8	22.3	23.0	23.3
	3H	23.2	23.9	23.5	24.2	24.5	23.0	23.7	23.3	24.0	24.3
	4H	23.5	24.1	23.9	24.5	24.8	23.3	23.9	23.7	24.2	24.6
	6H	23.6	24.2	24.0	24.5	24.9	23.4	23.9	23.8	24.3	24.7
	8H	23.6	24.1	24.1	24.5	24.9	23.4	23.9	23.8	24.3	24.7
	12H	23.6	24.0	24.1	24.4	24.9	23.4	23.8	23.8	24.2	24.6
8H	4H	23.6	24.0	24.0	24.4	24.8	23.4	23.8	23.8	24.2	24.6
	6H	23.7	24.1	24.2	24.5	25.0	23.5	23.9	24.0	24.3	24.8
	8H	23.8	24.1	24.2	24.5	25.0	23.5	23.8	24.0	24.3	24.8
	12H	23.7	24.0	24.2	24.5	25.0	23.5	23.8	24.0	24.2	24.7
	4H	23.6	24.0	24.0	24.4	24.8	23.3	23.8	23.8	24.2	24.6
	6H	23.7	24.0	24.2	24.5	25.0	23.5	23.8	24.0	24.3	24.7
12H	8H	23.7	24.0	24.2	24.5	25.0	23.5	23.8	24.0	24.2	24.7
	12H	23.7	24.0	24.2	24.5	25.0	23.5	23.8	24.0	24.2	24.7
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		6.0					5.8				
Corrected Glare Indices referring to 23000lm Total Luminous Flux											

Dimensional Drawing

