STOANE LIGHTING

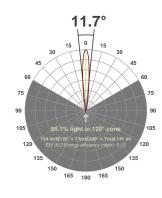
EQUIPMENT DESIGN + MANUFACTURE

Fitting name: MSL_Mole_Oslon MSL Star_95CRI_3000K_181Im_Very Narrow

Date: 04/10/2017

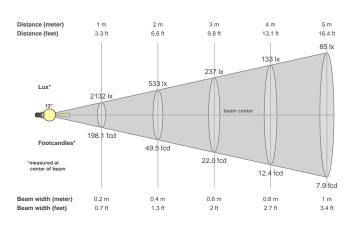
Delivered Output: 134 Lumen

LOR: 74% *





Beam details



Beam angles

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
11.7°	24.6°	35.2°

Beam intensities

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
2134 cd	95.1%	93.9%

Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
2132lx	533lx	237lx	133lx	85lx	59lx	44lx	33lx	26lx	21lx	18lx	15lx	13lx	11lx	9lx	8lx	7lx	7lx	6lx	5lx
198.1fc d	49.5fcd	22fcd	12.4fcd	7.9fcd	5.5fcd	4fcd	3.1fcd	2.4fcd	2fcd	1.6fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd

Files are generated using the highest CRI and highest output 3000K light source available in the luminaire, other lower outputs and colour temperatures are of course available. Other outputs and colour temperatures are available on request, these may take some time as they must be tested.

* These files are absolute measurements, not relative, as such the LOR is not generated when testing a fitting. To get an idea of LOR we use the measured delivered output in the files and documentation and calculate a ratio using the light source output mentioned in the file and product names. Note that the source output files will be nominal figures provided to us by the light source manufacturers and assuming a max 35°C ambient temperature so this LOR is as stated an indication only.

The power figures in the files have been generated based on the voltage and current to the light source only, not allowing for any driver losses. This is because our fittings are used with a number of different drivers (sometimes integral) and loaded differently, these variations effect the driver power factor and efficiency which in turn skews the power consumption figure.

Files are not always available for the specific combination of beam, accessory, driver selected, so these can be specifically requested. As with requests for specific colour temperatures this can take some time to generate as these combinations must be made then scheduled in to testing. MSL will advise on how long requests for specific data are likely to take.

MSL advise that lighting designers apply a +/- 5% tolerance allowance on the files we provide as subtle variations in system components (eg slight variations in output of LED light sources through a bin) and ambient temperature variations can effect output and distribution slightly.

STOANE LIGHTING

EQUIPMENT DESIGN + MANUFACTURE

Glare Evaluation According to UGR

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D Floor 20													
Room size X Viewing direction at right angles to lamp axis Viewing direction parallel to lamp axis 2H 2H 8.4 9.0 8.6 9.2 9.4 8.4 9.0 8.6 9.2 9.4 3H 8.3 8.9 8.5 9.1 9.3 8.3 8.9 8.5 9.1 9.3 4H 8.2 8.7 8.5 9.0 9.3 8.2 8.7 8.5 9.0 9.3 6H 8.1 8.6 8.4 8.9 9.2 8.1 8.6 8.4 8.9 9.2 12H 8.0 8.5 8.4 8.9 9.2 8.1 8.6 8.4 8.9 9.2 4H 2H 8.5 9.0 8.8 9.1 8.0 8.5 8.4 8.9 9.2 4H 2H 8.5 9.0 8.8 9.1 9.0 8.8 9.1 9.4 4H 8.1 8.5 8.6 9.0 9.3 8.2 8.5 8.6 9.1 9.3 8H 8.2	•												
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Standard tableBK00Correction summand-10.2	S = 1	.5H		+3	.2 / -9	8.2		+3.2 / -98.2					
Correction -10.2 -10.2	S = 2	2.0H		+4	.4 / -9	6.2		+4.4 / -96.2					
summand -10.2 -10.2	Standard table				BK00			ВКОО					
Corrected glare indices referring to 134Im total luminous flux					-10.2					-10.2			
	Corrected	glare indic	es refer	ring to 1	34lm tota	al lumino	us flux						