

Installation : MAN 600W

Project number :

Customer :

Processed by : GigaTera EU by KMW

Date : 14.07.2016

Project description:

1. Pole height : 16 m
2. MF : 0.85

The following values are based on exact calculations on calibrated lamps, luminaires and their arrangement. In practice, gradual divergences can occur.

Guarantee claims for luminaire data are excluded.

Relux and the luminaire manufacturers accept no liability for consequential damage and damage which is occasioned to the user or to third parties.

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1 Luminaire data

1.1 KMW Inc., MAN600-A50ASW (MAN600-A50ASW.ies)

1.1.1 Data sheet

Manufacturer: KMW Inc.

MAN600-A50ASW.ies

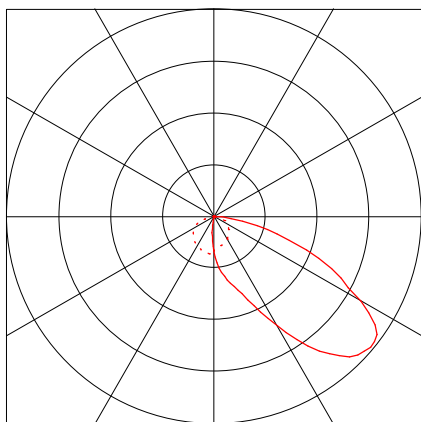
MAN600-A50ASW

Luminaire data

Luminaire efficiency : 100%
Luminaire efficacy : 136.44 lm/W
Classification : A20 ? 99.4% > 0.6%
CIE Flux Codes : 28 68 95 99 100
UGR 4H 8H (20%, 50%, 70%) :
C0 / C90 : 39.3 / 33.3
Control gear :
System power : 594 W
Length : 620 mm
Width : 600 mm
Height : 50 mm

Equipped with

Quantity : 1
Designation : LED
Colour :
Luminous flux : 81048 lm



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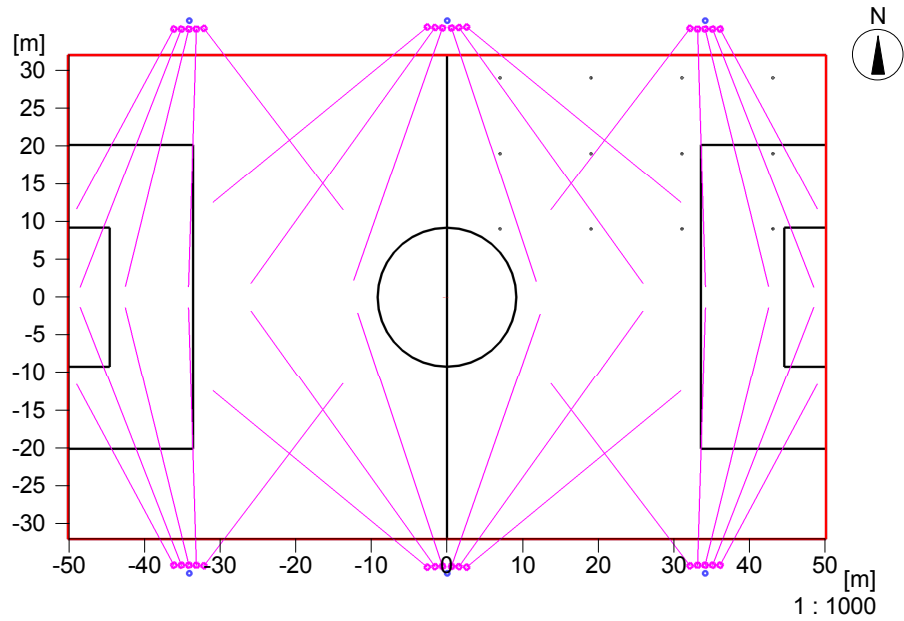
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2 MA 600W(Copy of)

2.1 Description, MA 600W(Copy of)

2.1.1 Floor plan



-please put your own address here-

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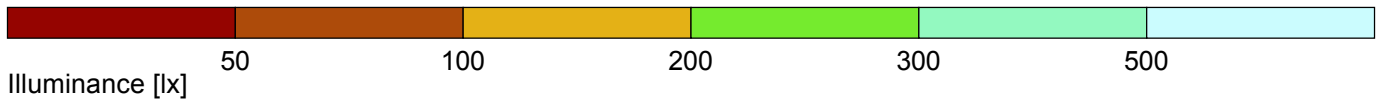
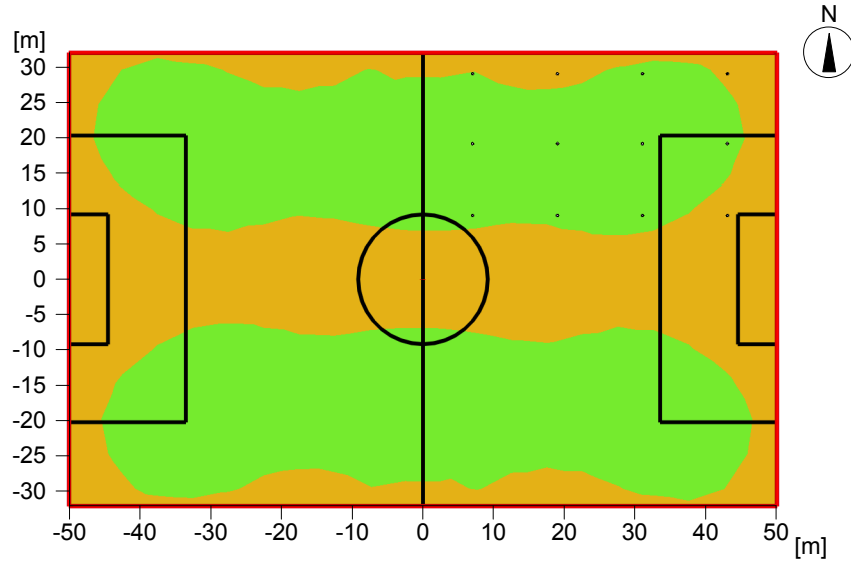
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2 MA 600W(Copy of)

2.2 Summary, MA 600W(Copy of)

2.2.1 Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.85
Total luminous flux of all lamps	2593536 lm
Total power	19008.0 W
Total power per area (6400.00 m ²)	2.97 W/m ² (1.43 W/m ² /100lx)

Evaluation area 1

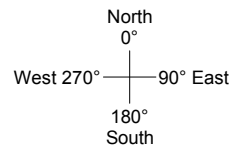
Reference plane 1.1

	Horizontal
Em	208 lx
Emin	131 lx
Emin/Eav (U _o)	0.63
Emin/Emax (U _d)	0.48
Position	0.00 m

Observer GR

Lve = 1.17 cd/m², Ehav(MF:1.0) = 250 lx, ρ = 43 %

No.	Description	Position	Max GR	Direction
1	GR 1.1	7 m/9 m/1.2 m	37.9	188° (-2°)



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2 MA 600W(Copy of)

2.2 Summary, MA 600W(Copy of)

2.2.1 Result overview, Evaluation area 1

Type No.\Make

2	32	KMW Inc.	
		Order No.	: MAN600-A50ASW.ies
		Luminaire name	: MAN600-A50ASW
		Equipment	: 1 x LED / 81048 lm



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2 MA 600W(Copy of)

2.3 Calculation results, MA 600W(Copy of)

2.3.1 Table, Reference plane 1.1 (E)

	153	201	240	227	195	175	174	185	203	188	189	198	184	176	180	209	237	226	185	139
55 [m]	184	233	266	271	249	225	216	218	229	242	240	226	218	219	232	257	[273]	261	219	170
50	191	237	263	265	251	237	229	228	232	240	241	234	230	232	244	259	268	262	229	180
45	174	212	238	245	237	225	218	219	222	226	227	224	222	222	231	244	249	238	208	169
40	152	181	203	214	213	206	202	203	206	208	209	208	205	206	210	216	215	203	179	149
35	137	160	179	189	193	192	190	190	193	194	195	193	192	192	193	194	190	179	159	135
30	(131)	153	170	181	186	186	186	186	187	189	189	187	186	186	186	186	181	170	153	(131)
25	135	159	179	190	194	193	192	192	193	195	194	193	190	190	192	193	189	179	160	137
20	149	179	203	215	216	210	206	205	208	209	208	206	203	202	206	213	214	203	181	152
15	169	208	238	249	244	231	222	222	224	227	226	222	219	218	225	237	245	238	212	174
10	180	229	262	268	259	244	232	230	234	241	240	232	228	229	237	251	265	263	237	191
5	170	219	261	[273]	257	232	219	218	226	240	242	229	218	216	225	249	271	266	233	184
0	139	185	226	237	209	180	176	184	198	189	188	203	185	174	175	195	227	240	201	153
	0	10	20	30	40	50	60	70	80	90	[m]									
	Illuminance [lx]																			



Height of the reference plane	:	0.00 m
Average illuminance	Eav	: 208 lx
Minimum illuminance	Emin	: 131 lx
Maximum illuminance	Emax	: 273 lx
Uniformity Uo	Emin/Eav	: 1 : 1.60 (0.63)
Diversity Ud	Emin/Emax	: 1 : 2.09 (0.48)

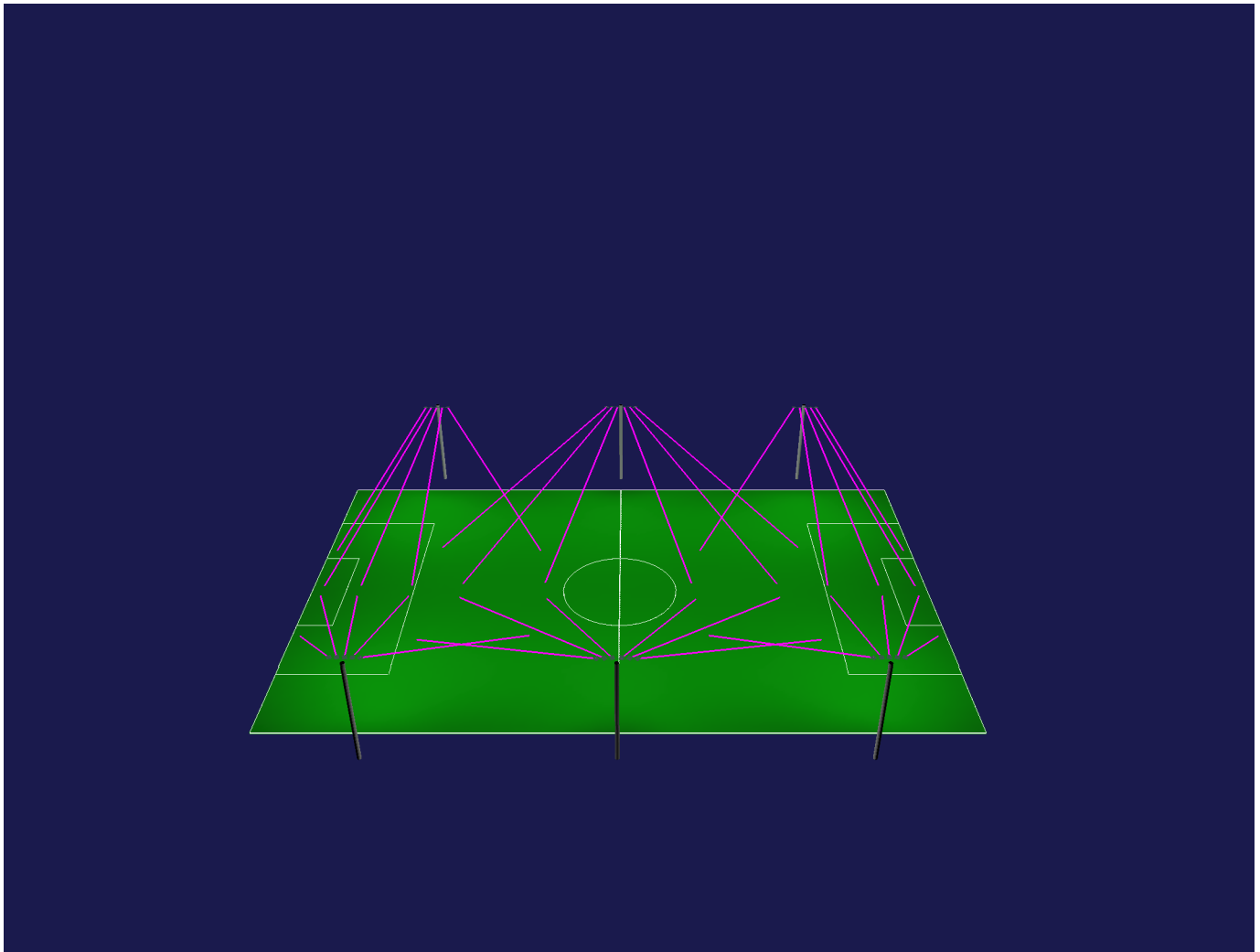
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2.3 Calculation results, MA 600W(Copy of)

2.3.2 3D luminance, View 1



Luminance in the scene

Minimum: : 0 cd/m²
Maximum: : 17.3 cd/m²