

Class II - Swimming Pool - 300 Lux

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Lighting designs are representative and therefore should not be considered an entirely realistic forecast of the resultant illumination levels; certain factors can only be modelled indicatively. The forecasted lux levels are based on the photometric data made available from the luminaire manufacturer; the results detailed in this design are not transferable to any other product or design.

This	document may	v not be disclo	sed with any	third-parties	without prior	written conser	nt from RedSt	amn Designs
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Client: Project ID: Company: Client ID:

Date: 20.11.2021

Operator:

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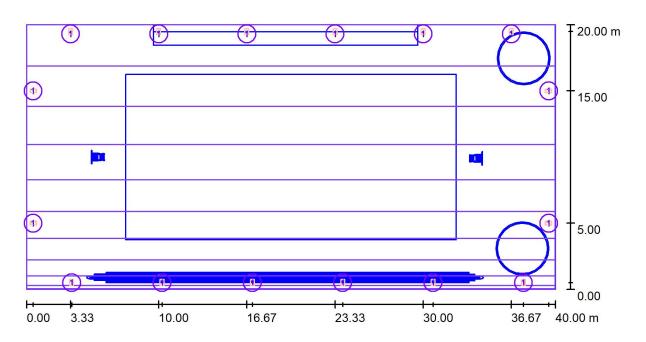
12

Operator Telephone Fax e-Mail

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Swimming Pool / Luminaires (layout plan)

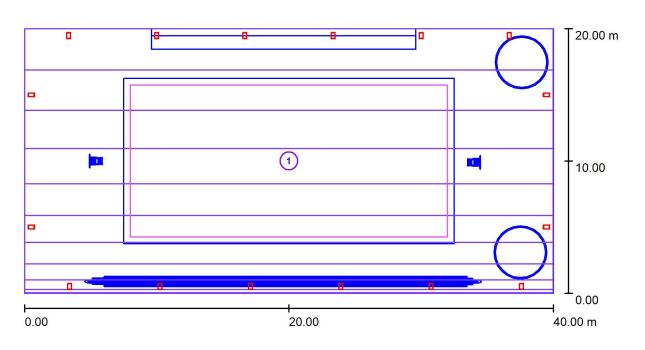


Scale 1: 286

Luminaire Parts List

No.	Pieces	Designation
1	16	Kellwood Lighting MCF3B-310-850-4S-BG McFarlane 3B Series - Premium LED Floodlight - 310W - CRI>80 5000K - IESNA Type IV Light Distribution - Short Lateral Throw - Backspill Guard

Swimming Pool / Calculation surfaces (results overview)

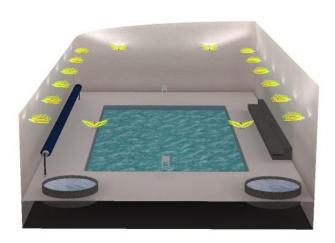


Scale 1: 286

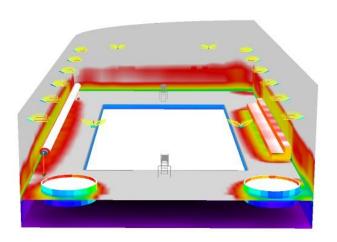
Calculation Surface List

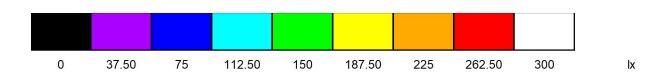
No.	Designation	Туре	Grid	E _{av} [lx]	E _{min} [lx]	E _{max} [lx]	u0	E _{min} / E _{max}
1	Calculation Surface 1	perpendicular	32 x 16	363	344	396	0.948	0.869

Swimming Pool / 3D Rendering



Swimming Pool / False Color Rendering





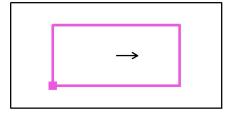
Swimming Pool / Glare 0° - Water Surface / Value Chart (UGR)

												7 T
<u>21</u>	21	21	20	20	19	18	18	16	<10	<10	<10	T 11.50 m
<u>21</u>	21	21	20	20	19	19	18	17	<10	<10	<10	
<u>21</u>	<u>21</u>	21	20	20	20	19	19	18	<10	<10	<10	
<u>21</u>	21	21	20	20	20	19	19	19	<10	<10	<u><10</u>	
<u>21</u>	<u>21</u>	20	20	20	19	19	20	20	<10	<10	<u><10</u>	
<u>21</u>	21	20	20	20	20	19	20	21	<10	<10	<10	
<u>21</u>	<u>21</u>	21	20	20	20	19	20	20	<10	<10	<10	
<u>21</u>	21	21	20	20	20	20	20	19	<10	<10	<10	
<u>21</u>	<u>21</u>	<u>21</u>	20	20	20	19	19	17	<10	<10	<10	
<u>21</u>	21	21	20	20	19	18	18	16	<10	<10	<10	
21	<u>21</u>	21	20	20	19	18	17	15	10	11	<10	
												0.00
0.00												24.00 m

Scale 1: 172

Not all calculated values could be displayed.

Position of surface in room: Marked point: (8.024 m, 4.221 m, 2.000 m)



Grid: 24 x 11 Points

Min /

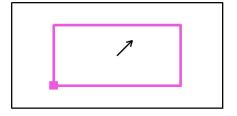
Swimming Pool / Glare 45° - Water Surface / Value Chart (UGR)

4.5	4.4	11	42	12	10	-10	-10	-10	-10	-10	-10	☐ ☐ 11.50 m
15	14	14	13	13	12	<u><10</u>	<u><10</u>	<u><10</u>	<u><10</u>	<u><10</u>	<u><10</u>	11.00 111
15	15	14	14	13	12	12	<10	<10	<10	<10	<10	
15	15	15	14	14	13	12	12	<10	<u><10</u>	<10	<u><10</u>	
16	15	15	15	14	14	13	13	13	<10	<10	<u><10</u>	
16	16	16	15	15	14	14	15	16	<u><10</u>	<u><10</u>	<u><10</u>	
17	16	16	16	16	16	16	17	18	<10	<10	<10	
17	17	17	17	17	17	17	18	19	<10	<10	<10	
18	18	17	17	18	18	18	19	18	<10	<10	<10	
18	18	18	18	18	18	18	18	18	<u><10</u>	<10	<10	
19	19	19	19	19	19	18	18	17	<10	<10	<10	
22	21	21	22	21	21	21	21	20	19	19	18	
0.00												24.00 m

Scale 1: 172

Not all calculated values could be displayed.

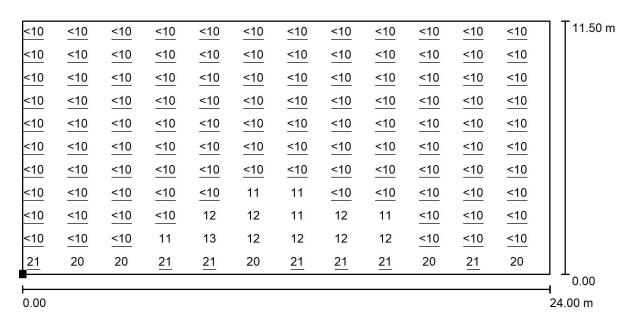
Position of surface in room: Marked point: (8.000 m, 4.250 m, 2.000 m)



Grid: 24 x 11 Points

Min /

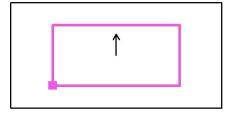
Swimming Pool / Glare 90° - Water Surface / Value Chart (UGR)



Scale 1: 172

Not all calculated values could be displayed.

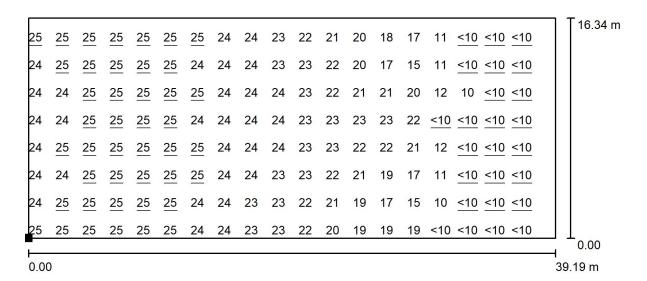
Position of surface in room: Marked point: (8.000 m, 4.250 m, 2.000 m)



Grid: 24 x 11 Points

Min /

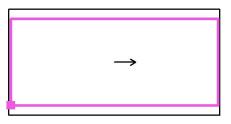
Swimming Pool / Glare 0° - Eye Level / Value Chart (UGR)



Scale 1: 281

Not all calculated values could be displayed.

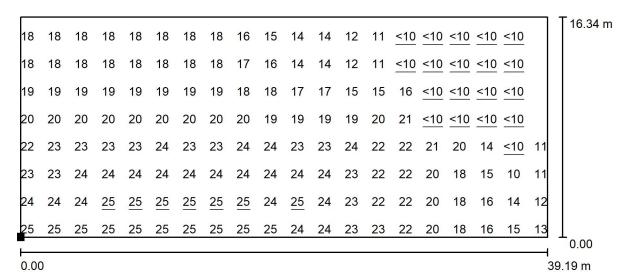
Position of surface in room: Marked point: (0.458 m, 1.831 m, 3.500 m)



Grid: 39 x 16 Points

Min

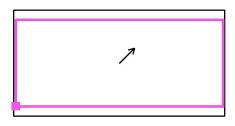
Swimming Pool / Glare 45° - Eye Level / Value Chart (UGR)



Scale 1 : 281

Not all calculated values could be displayed.

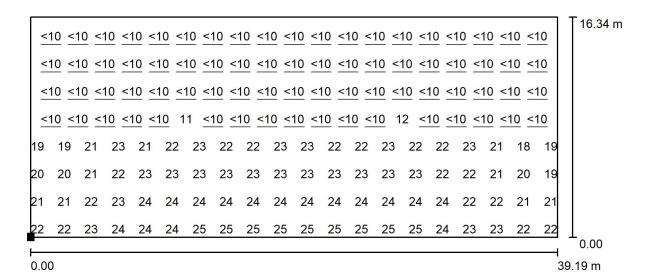
Position of surface in room: Marked point: (0.458 m, 1.831 m, 3.500 m)



Grid: 39 x 16 Points

Min

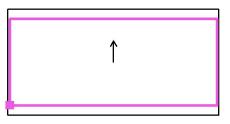
Swimming Pool / Glare 90° - Eye Level / Value Chart (UGR)



Scale 1: 281

Not all calculated values could be displayed.

Position of surface in room: Marked point: (0.458 m, 1.831 m, 3.500 m)



Grid: 39 x 16 Points

Min /