

#### Luminaire

Code M221128-5-U-E  
Name M22 1125 mm 3000K CRI90 UGR

#### Measurem.

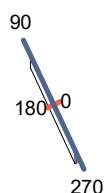
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Luminaire Flux	2042 lm	Luminaire Power	21.4 W	Efficacy	95.420 lm/W	Efficiency	100.00%
Source Flux	2042 lm	Maximum value	1019.50 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical
Rectangular Luminaire		Length	1125 mm	Width	22 mm	Height	25 mm
Rectangular Luminous Area		Length	1110 mm	Width	14 mm	Height	0 mm
Horizontal Luminous Area		0.015540 m2		Emitting area on Plane 180°		0.000000 m2	
Emitting area on Plane 0°		0.000000 m2		Emitting area on Plane 270°		0.000000 m2	
Emitting area on Plane 90°		0.000000 m2		Glare area at 76°		0.003759 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		14-06-2018		Maximum Gamma Angle		90	
Measurement Distance		0.00		Measurement Flux		2042 lm	
Operator		7.47.38		Rated Voltage			
Temperature				Rated Current			
Humidity				Photocell			
Notes							

#### Luminaire Sources

Line	Code LED	Name LED	Flux [lm] 2042.00	Pow. [W] 21.40	Q.ty 1
C.I.E. F UTE	97 100 100 100 100 --	D DIN 5040 B NBN	A60 BZ 1		

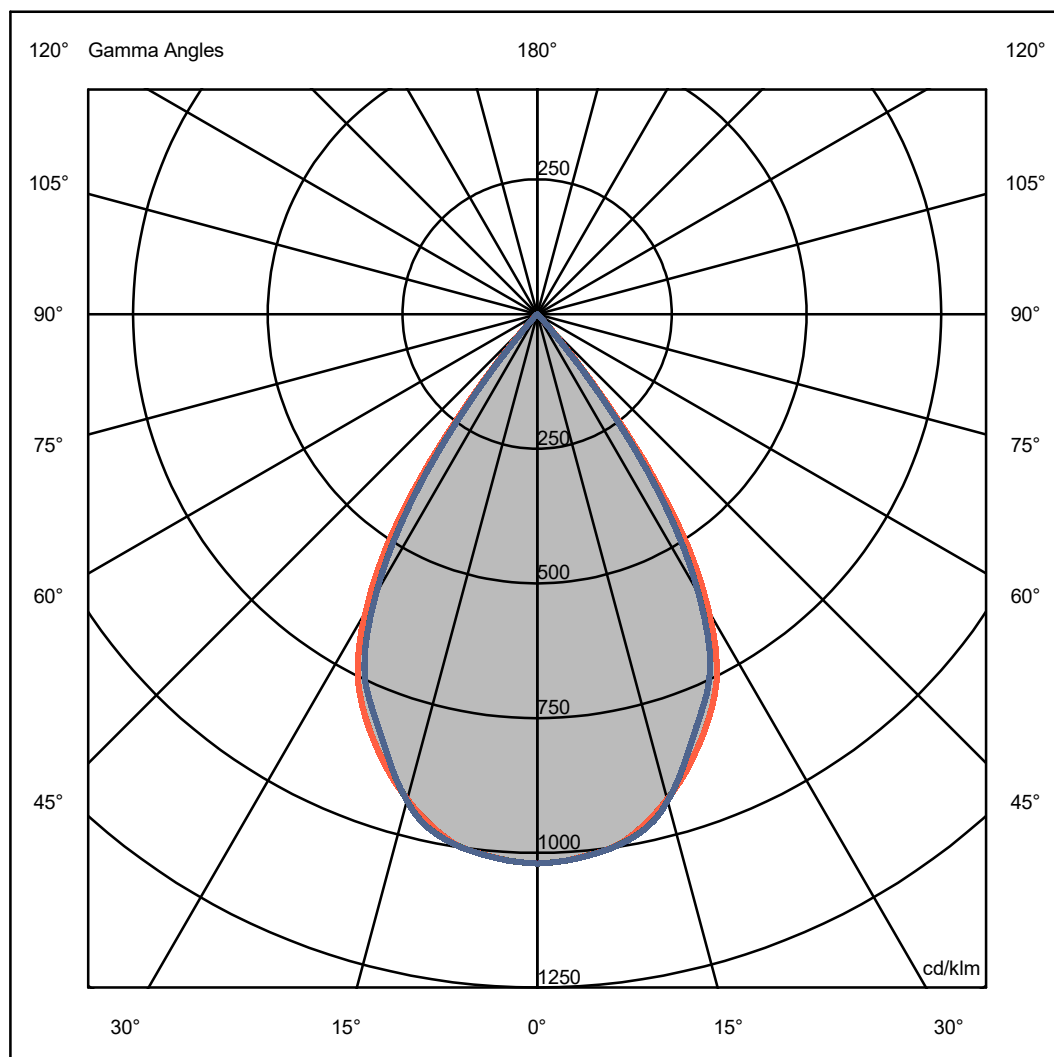
1125mm x 22mm



C Halfplanes

180.0 — 0.0  
270.0 — 90.0

ULOR 0.00 %  
DLOR 100.00 %  
RN 0.00 %



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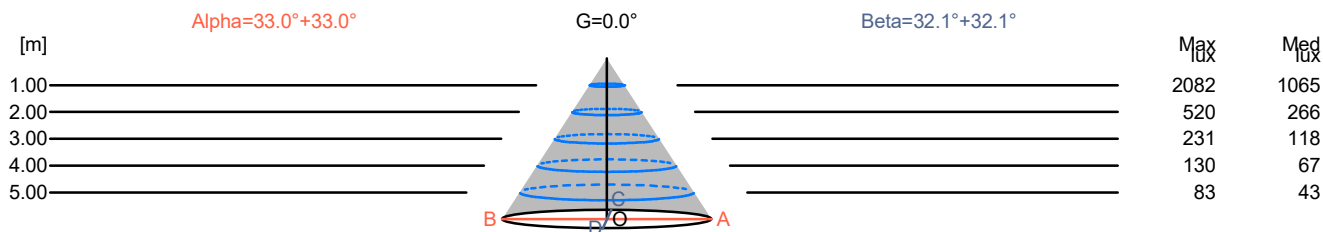
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Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	0.65	1.30	1.95	2.60	3.25	OC	0.63	1.25	1.88	2.51	3.14
OB	0.65	1.30	1.95	2.60	3.25	OD	0.63	1.25	1.88	2.51	3.14

	0	5	15	25	35	45	55	65	75	85
OA	2081.82	2061.96	1903.40	1591.56	821.77	14.75	2.54	1.26	0.65	0.17
OB	2081.82	2061.96	1903.40	1591.56	821.77	14.75	2.54	1.26	0.65	0.17
OC	2081.82	2063.03	1909.97	1540.15	734.18	14.56	2.61	1.26	0.63	0.15
OD	2081.82	2063.03	1909.97	1540.15	734.18	14.56	2.61	1.26	0.63	0.15



H[m]	D[m]	Max lux	Med lux	Alpha=33.0°+33.0°	G=0.0
1.00	1.30	2082	1065		
2.00	2.60	520	266		
3.00	3.90	231	118		
4.00	5.20	130	67		
5.00	6.50	83	43		

H[m]	D[m]	Max lux	Med lux	Beta=32.1°+32.1°	G=0.0
1.00	1.25	2082	1065		
2.00	2.51	520	266		
3.00	3.76	231	118		
4.00	5.02	130	67		
5.00	6.27	83	43		

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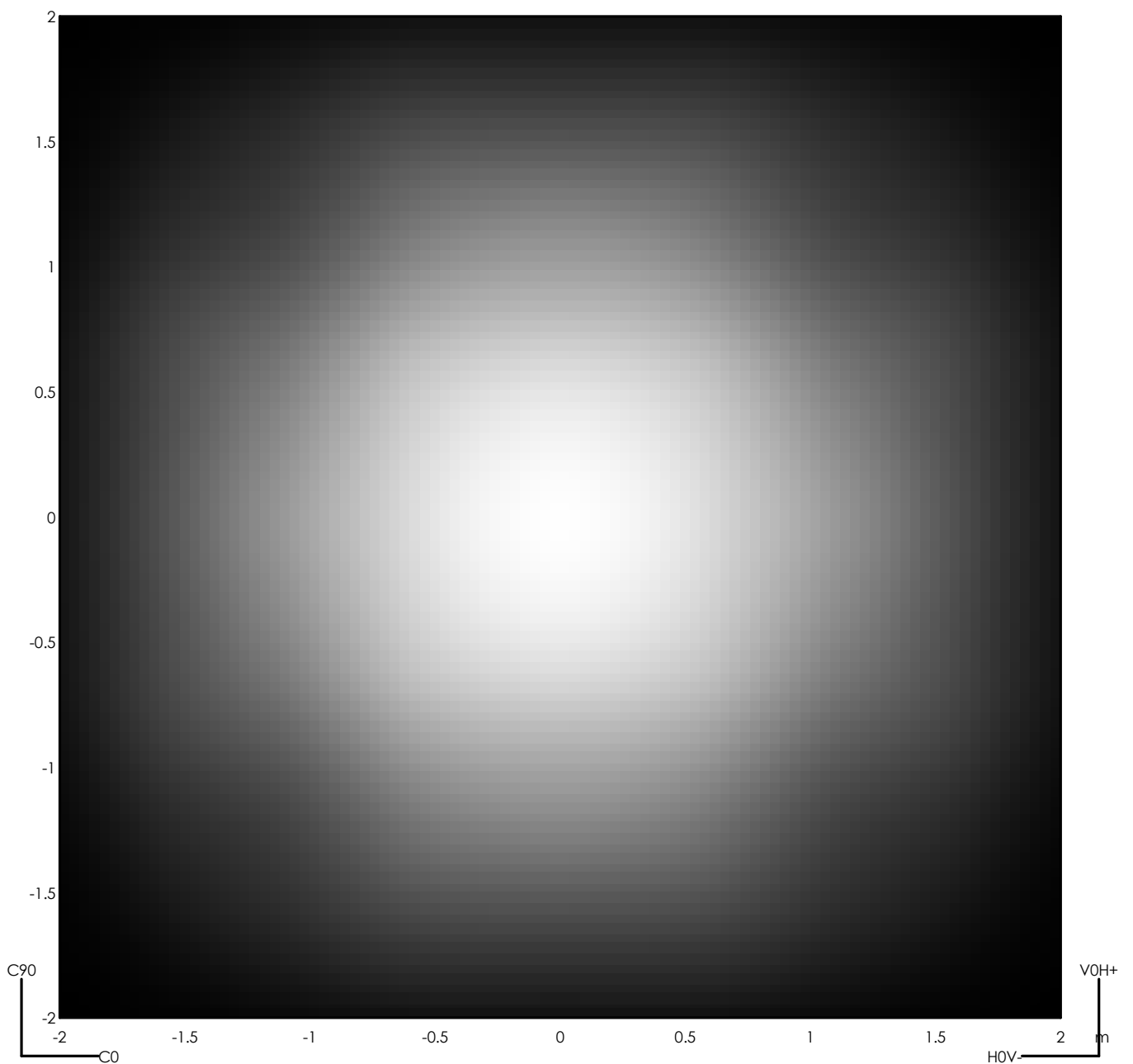
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Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



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**UGR**  
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions										
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	18.6	19.3	18.9	19.5	19.7	18.3	19.0	18.6	19.2	19.4
x=2H y=3H	18.5	19.1	18.8	19.3	19.6	18.2	18.8	18.5	19.0	19.2
x=2H y=4H	18.4	19.0	18.7	19.2	19.5	18.1	18.7	18.4	18.9	19.2
x=2H y=6H	18.4	18.9	18.7	19.2	19.4	18.0	18.5	18.4	18.8	19.1
x=2H y=8H	18.3	18.8	18.7	19.1	19.4	18.0	18.5	18.3	18.8	19.1
x=2H y=12H	18.3	18.8	18.6	19.1	19.4	18.0	18.4	18.3	18.7	19.0
x=4H y=2H	18.4	19.0	18.7	19.2	19.5	18.1	18.7	18.4	18.9	19.2
x=4H y=3H	18.3	18.8	18.6	19.1	19.4	18.0	18.4	18.3	18.7	19.0
x=4H y=4H	18.2	18.6	18.6	19.0	19.3	17.9	18.3	18.3	18.6	19.0
x=4H y=6H	18.1	18.5	18.6	18.8	19.2	17.8	18.2	18.2	18.5	18.9
x=4H y=8H	18.1	18.4	18.5	18.8	19.2	17.8	18.1	18.2	18.4	18.9
x=4H y=12H	18.1	18.3	18.5	18.7	19.1	17.7	18.0	18.2	18.4	18.8
x=8H y=4H	18.1	18.4	18.5	18.8	19.2	17.8	18.1	18.2	18.4	18.9
x=8H y=6H	18.0	18.2	18.5	18.7	19.1	17.7	17.9	18.1	18.3	18.8
x=8H y=8H	18.0	18.2	18.4	18.6	19.1	17.6	17.8	18.1	18.3	18.7
x=8H y=12H	17.9	18.1	18.4	18.5	19.0	17.6	17.7	18.1	18.2	18.7
x=12H y=4H	18.1	18.3	18.5	18.7	19.1	17.7	18.0	18.2	18.4	18.8
x=12H y=6H	18.0	18.2	18.4	18.6	19.1	17.6	17.8	18.1	18.3	18.7
x=12H y=8H	17.9	18.1	18.4	18.5	19.0	17.6	17.7	18.1	18.2	18.7

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	45°	50°	55°	60°	Average Luminance		75°	80°	85°	
0.0°	1342	473	285	225	65°	192	175	161	166	123
90.0°	1325	463	293	227	70°	192	172	157	160	110

Flush mounted or longitudinal view												
		Illumination(lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55

