

Luminaire

Code M22286-5-U-E
Name M22 285 mm 3000K CRI90 UGR

Measurem.

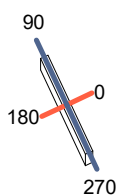
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Luminaire Flux	510 lm	Luminaire Power	5.8 W	Efficacy	88.017 lm/W	Efficiency	100.00%
Source Flux	511 lm	Maximum value	1019.50 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical
Rectangular Luminaire		Length	285 mm	Width	22 mm	Height	25 mm
Rectangular Luminous Area		Length	270 mm	Width	14 mm	Height	0 mm
Horizontal Luminous Area		0.003780 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°		0.000914 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		14-06-2018		Maximum Gamma Angle		90	
Measurement Distance		0.00		Measurement Flux		511 lm	
Operator		7.47.38		Rated Voltage			
Temperature				Rated Current			
Humidity				Photocell			
Notes							

Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	LED	LED	510.50	5.80	1
C.I.E.	97 100 100 100 100	D DIN 5040	A60		
F UTE	--	B NBN	BZ 1		

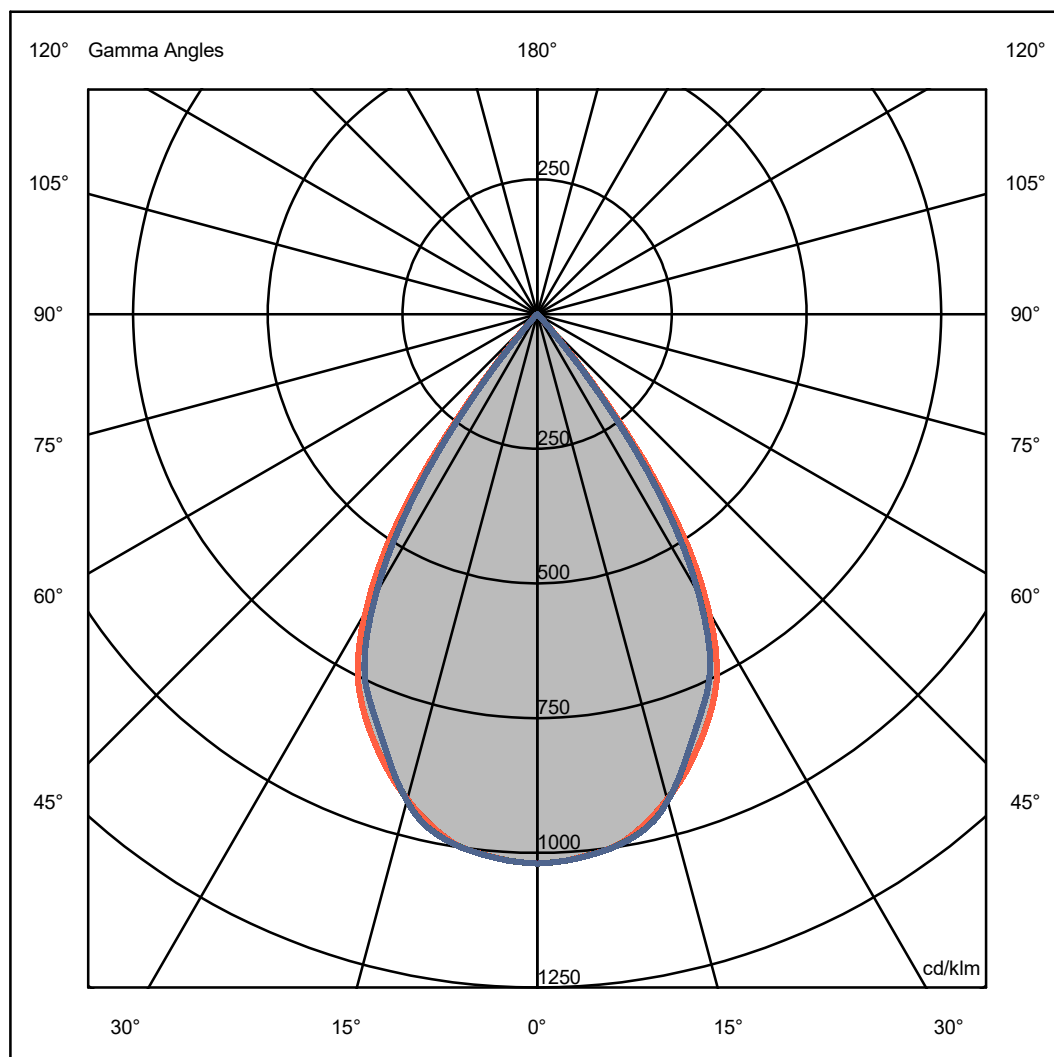
285mm x 22mm



C Halfplanes

180.0 — 0.0
270.0 — 90.0

ULOR 0.00 %
DLOR 100.00 %
RN 0.00 %



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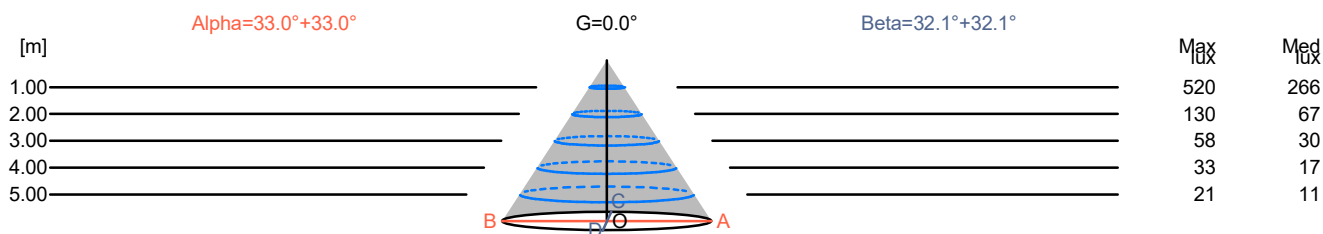
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Width at 50.00 % of Max Intensity

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

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	520.45	515.49	475.85	397.89	205.44	3.69	0.64	0.32	0.16	0.04
OB	520.45	515.49	475.85	397.89	205.44	3.69	0.64	0.32	0.16	0.04
OC	520.45	515.76	477.49	385.04	183.54	3.64	0.65	0.32	0.16	0.04
OD	520.45	515.76	477.49	385.04	183.54	3.64	0.65	0.32	0.16	0.04



H[m]	D[m]	Max lux	Med lux	Alpha=33.0°+33.0°	G=0.0
1.00	1.30	520	266		
2.00	2.60	130	67		
3.00	3.90	58	30		
4.00	5.20	33	17		
5.00	6.50	21	11		

H[m]	D[m]	Max lux	Med lux	Beta=32.1°+32.1°	G=0.0
1.00	1.25	520	266		
2.00	2.51	130	67		
3.00	3.76	58	30		
4.00	5.02	33	17		
5.00	6.27	21	11		

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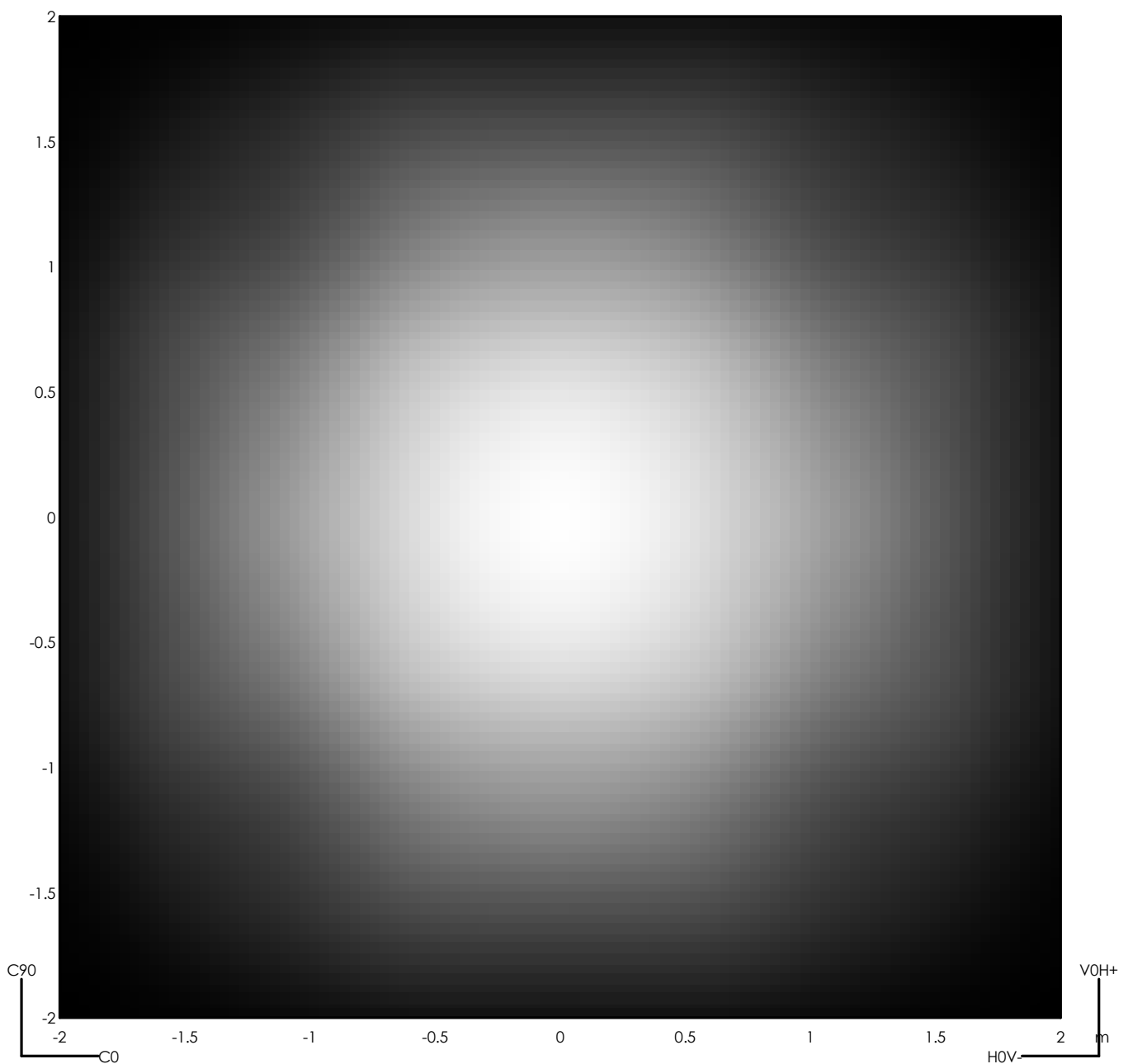
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Isolux (Floor)

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	Lateral View					Viewed Endwise				
x=2H y=2H	18.7	19.4	19.0	19.6	19.8	18.4	19.1	18.6	19.3	19.5
x=2H y=3H	18.6	19.2	18.9	19.4	19.7	18.3	18.9	18.6	19.1	19.3
x=2H y=4H	18.5	19.1	18.8	19.3	19.6	18.2	18.8	18.5	19.0	19.3
x=2H y=6H	18.5	19.0	18.8	19.2	19.5	18.1	18.6	18.4	18.9	19.2
x=2H y=8H	18.4	18.9	18.8	19.2	19.5	18.1	18.6	18.4	18.9	19.2
x=2H y=12H	18.4	18.9	18.7	19.2	19.5	18.1	18.5	18.4	18.8	19.1
x=4H y=2H	18.5	19.1	18.8	19.3	19.6	18.2	18.8	18.5	19.0	19.3
x=4H y=3H	18.4	18.9	18.7	19.2	19.5	18.1	18.5	18.4	18.8	19.1
x=4H y=4H	18.3	18.7	18.7	19.1	19.4	18.0	18.4	18.4	18.7	19.1
x=4H y=6H	18.2	18.6	18.6	18.9	19.3	17.9	18.2	18.3	18.6	19.0
x=4H y=8H	18.2	18.5	18.6	18.9	19.3	17.9	18.2	18.3	18.5	19.0
x=4H y=12H	18.2	18.4	18.6	18.8	19.2	17.8	18.1	18.3	18.5	18.9
x=8H y=4H	18.2	18.5	18.6	18.9	19.3	17.9	18.2	18.3	18.5	19.0
x=8H y=6H	18.1	18.3	18.6	18.8	19.2	17.8	18.0	18.2	18.4	18.9
x=8H y=8H	18.1	18.2	18.5	18.7	19.2	17.7	17.9	18.2	18.4	18.8
x=8H y=12H	18.0	18.2	18.5	18.6	19.1	17.7	17.8	18.2	18.3	18.8
x=12H y=4H	18.2	18.4	18.6	18.8	19.2	17.8	18.1	18.3	18.5	18.9
x=12H y=6H	18.1	18.2	18.5	18.7	19.2	17.7	17.9	18.2	18.4	18.8
x=12H y=8H	18.0	18.2	18.5	18.6	19.1	17.7	17.8	18.2	18.3	18.8

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	45°	50°	55°	60°	Average Luminance		75°	80°	85°	
0.0°	1379	486	293	231	65°	198	180	166	171	126
90.0°	1362	475	301	233	70°	198	177	161	165	113

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

