

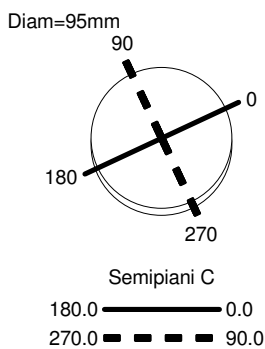
## Luminaire

Code M276125+M282007  
Name Caelum 90 LED 2x30 - 4000K bianco + lente ellittica

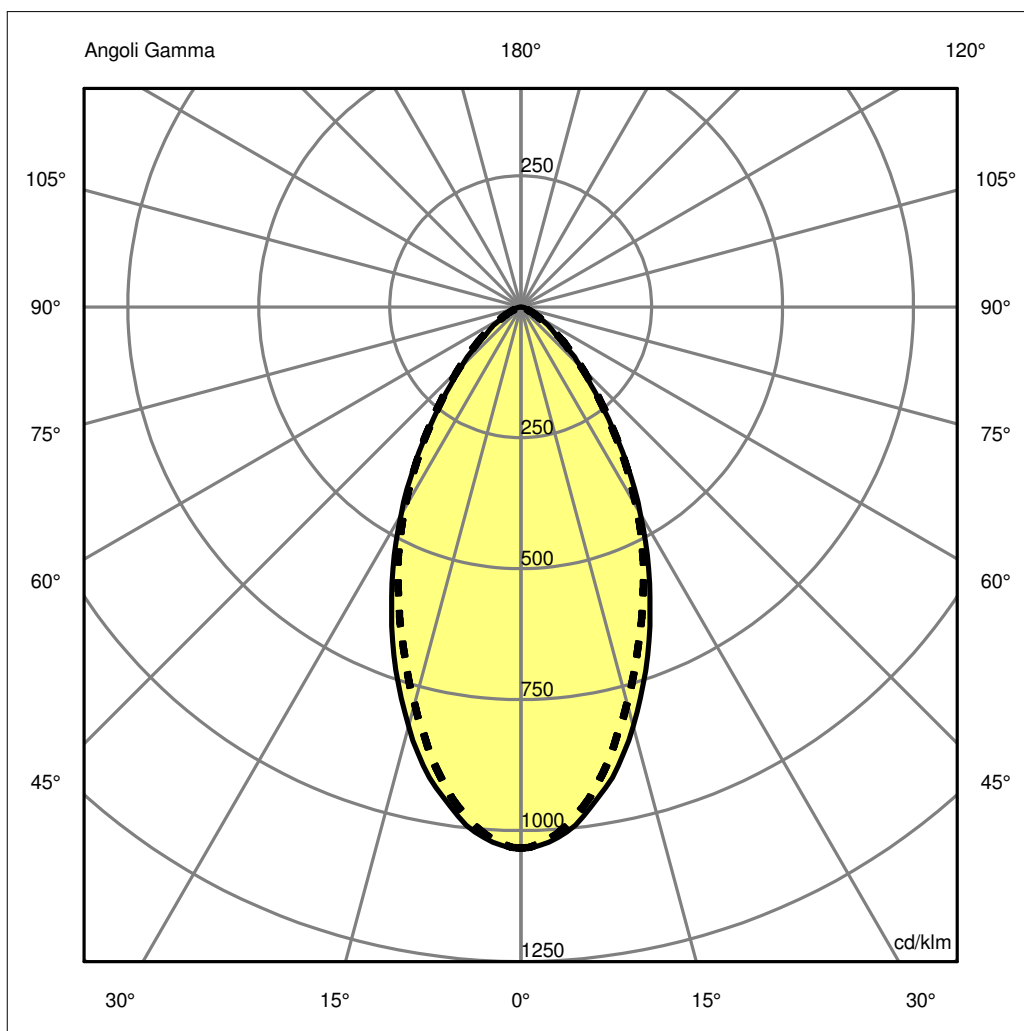
## Measurem.

Code FTS1500281  
Name Caelum 90 LED 2x30 - 4000K bianco + lente ellittica

Luminaire Flux	1426.00 lm	Luminaire Power	28.00 W	Efficacy	50.93 lm/W	Efficiency	100.00%
Lamps Flux	1426.00 lm	Maximum value	1033.82 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire Round Luminous Area	Diam. 95 mm Diam. 65 mm	Height 100 mm Height 0 mm					
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°	0.003318 m2 0.000000 m2 0.000000 m2	Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°	0.000000 m2 0.000000 m2 0.000803 m2				
Coordinate system Date Measurement Distance	CG 09-02-2015 0.00	Symmetry Type Maximum Gamma Angle Measurement Flux	Double Symmetrical 90 1426.00 lm				
LED Flux=2970lm LED Power=25W Eff=48% EfcLed=119lm/W EfcLum=51lm/W Ra=90 SDCM=3 L70(6K)=50000h							
C.I.E. F UTE	80 97 100 100 100 1.00 B	D DIN 5040 B NBN	A60 BZ 1				



ULOR 0.00 %  
DLOR100.00 %  
RN 0.00 %



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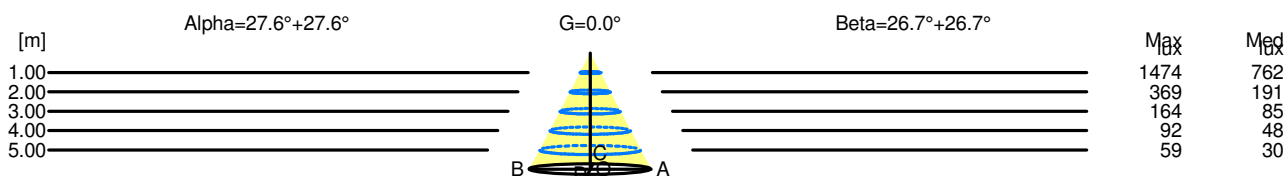
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Luminaire Flux	1426.00 lm	Luminaire Power	28.00 W	Efficacy	50.93 lm/W	Efficiency	100.00%
Lamps Flux	1426.00 lm	Maximum value	1033.82 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire		Diam.	95 mm	Height	100 mm		
Round Luminous Area		Diam.	65 mm	Height	0 mm		
Horizontal Luminous Area		0.003318 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°		0.000803 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		09-02-2015		Maximum Gamma Angle		90	
Measurement Distance		0.00		Measurement Flux		1426.00 lm	
LED Flux=2970lm LED Power=25W Eff=48% EfcLed=119lm/W EfcLum=51lm/W Ra=90 SDCM=3 L70(6K)=50000h							
C.I.E.	80 97 100 100 100			D DIN 5040	A60		
F UTE	1.00 B			B NBN	BZ 1		

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	0.52	1.05	1.57	2.09	2.62	OC	0.50	1.00	1.51	2.01	2.51
OB	0.52	1.05	1.57	2.09	2.62	OD	0.50	1.00	1.51	2.01	2.51

	Luminous Intensities [ cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	1474.23	1435.15	1181.61	830.24	483.59	231.74	94.97	40.06	14.71	0.79
OB	1474.23	1435.15	1181.61	830.24	483.59	231.74	94.97	40.06	14.71	0.79
OC	1474.23	1419.81	1117.57	791.53	474.53	237.08	98.60	24.88	5.93	0.64
OD	1474.23	1419.81	1117.57	791.53	474.53	237.08	98.60	24.88	5.93	0.64



H[m]	D[m]	Max lux	Med lux	Alpha=27.6°+27.6°	G=0.0
1.00	1.05	1474	762		
2.00	2.09	369	191		
3.00	3.14	164	85		
4.00	4.18	92	48		
5.00	5.23	59	30		

H[m]	D[m]	Max lux	Med lux	Beta=26.7°+26.7°	G=0.0
1.00	1.00	1474	762		
2.00	2.01	369	191		
3.00	3.01	164	85		
4.00	4.02	92	48		
5.00	5.02	59	30		

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Lamps Flux	1426.00 lm	Maximum value	1033.82 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	24.5	25.3	24.7	25.5	25.9	24.6	25.5	24.9	25.7	25.9
x=2H y=3H	24.7	25.4	24.9	25.7	25.9	24.6	25.4	24.9	25.6	25.9
x=2H y=4H	24.7	25.4	25.0	25.7	25.8	24.6	25.3	24.9	25.5	25.8
x=2H y=6H	24.7	25.4	25.0	25.7	25.7	24.5	25.2	24.8	25.4	25.7
x=2H y=8H	24.7	25.3	25.0	25.6	25.7	24.4	25.1	24.8	25.4	25.7
x=2H y=12H	24.6	25.3	25.0	25.6	25.7	24.4	25.0	24.8	25.3	25.7
x=4H y=2H	24.5	25.2	24.8	25.5	25.9	24.6	25.3	24.9	25.6	25.9
x=4H y=3H	24.7	25.4	25.1	25.7	25.9	24.6	25.2	25.0	25.5	25.9
x=4H y=4H	24.8	25.4	25.2	25.7	25.8	24.6	25.1	25.0	25.5	25.8
x=4H y=6H	24.9	25.3	25.3	25.7	25.8	24.6	25.0	25.0	25.4	25.8
x=4H y=8H	24.8	25.2	25.3	25.6	25.7	24.5	24.9	24.9	25.3	25.7
x=4H y=12H	24.8	25.2	25.2	25.6	25.7	24.5	24.8	24.9	25.3	25.7
x=8H y=4H	24.8	25.2	25.2	25.6	25.7	24.5	25.0	25.0	25.3	25.7
x=8H y=6H	24.8	25.1	25.2	25.5	25.7	24.5	24.8	24.9	25.2	25.7
x=8H y=8H	24.8	25.0	25.2	25.5	25.6	24.5	24.7	24.9	25.2	25.6
x=8H y=12H	24.7	24.9	25.2	25.4	25.6	24.4	24.6	24.9	25.1	25.6
x=12H y=4H	24.7	25.1	25.2	25.5	25.7	24.5	24.9	24.9	25.3	25.7
x=12H y=6H	24.7	25.0	25.2	25.5	25.6	24.4	24.7	24.9	25.2	25.6
x=12H y=8H	24.7	24.9	25.2	25.4	25.6	24.4	24.6	24.9	25.1	25.6