

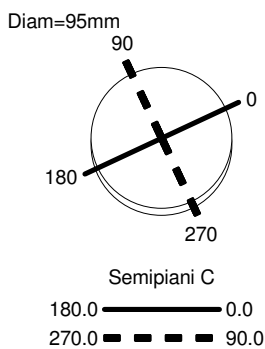
Luminaire

Code M276125+M282007+M282100
Name Caelum 90 LED 2x30 - 4000K bianco + lente ellittica + griglia

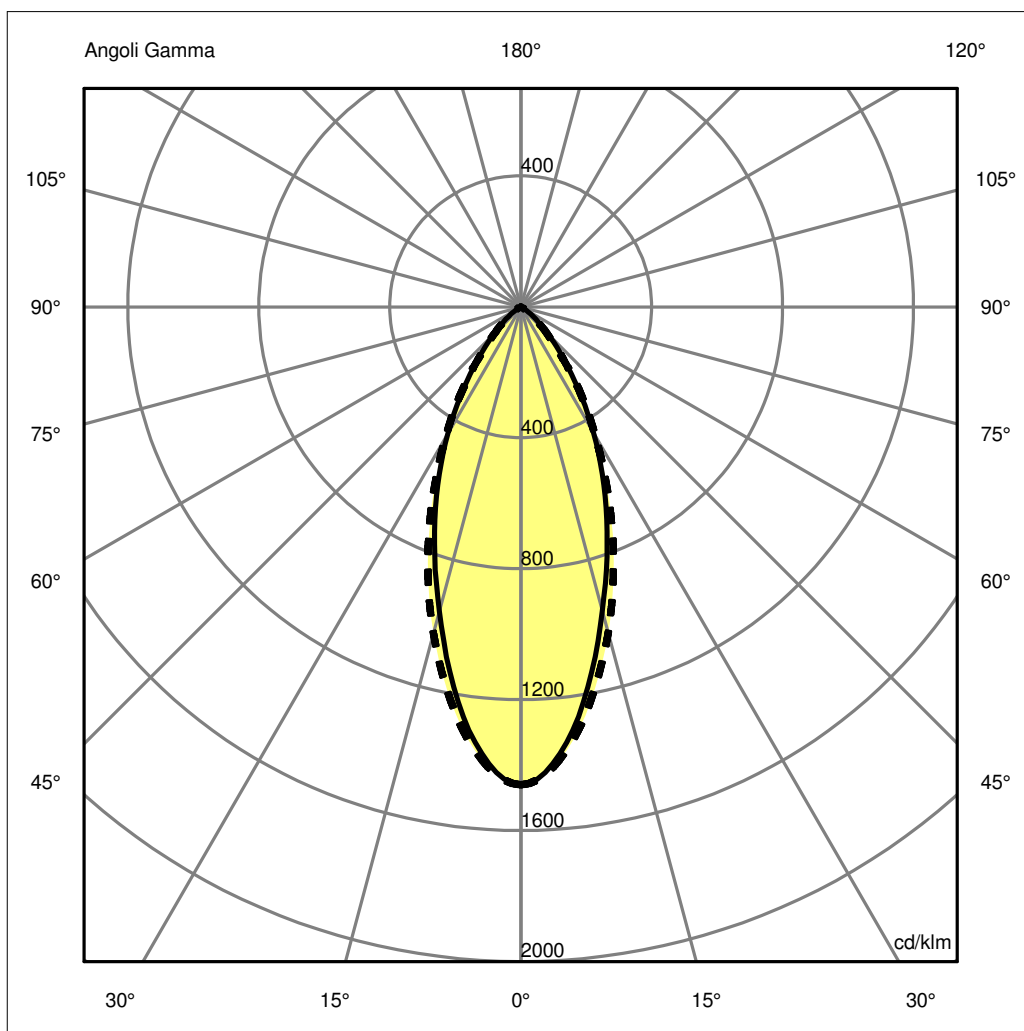
Measurement

Code FTS1500283
Name Caelum 90 LED 2x30 - 4000K bianco + lente ellittica + griglia

Luminaire Flux	950.00 lm	Luminaire Power	28.00 W	Efficacy	33.93 lm/W	Efficiency	100.00%
Lamps Flux	950.00 lm	Maximum value	1459.99 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	0.003318 m2	Emitting area on Plane 180°	0.000000 m2	Emitting area on Plane 270°	0.000000 m2	Glare area at 76°	0.000803 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical				
Date	09-02-2015	Maximum Gamma Angle	180				
Measurement Distance	0.00	Measurement Flux	950.00 lm				
LED Flux=2970lm LED Power=25W Eff=32% EfcLed=119lm/W EfcLum=34lm/W Ra=90 SDCM=3 L70(6K)=50000h							
C.I.E.	90 99 100 100 100	D DIN 5040	A60				
F UTE	1.00 A	B NBN	BZ 1				



ULOR 0.00 %
DLOR 100.00 %
RN 0.00 %



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Measur.

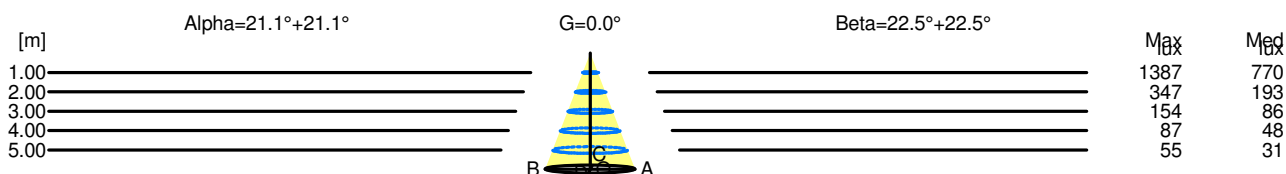
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Lamps Flux	950.00 lm	Maximum value	1459.99 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire		Diam.	95 mm	Height	100 mm		
Round Luminous Area		Diam.	65 mm	Height	0 mm		
Horizontal Luminous Area		0.003318 m2		Emitting area on Plane 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		180	
Measurement Distance		0.00		Measurement Flux		950.00 lm	
LED Flux=2970lm LED Power=25W Eff=32% EfcLed=119lm/W EfcLum=34lm/W Ra=90 SDCM=3 L70(6K)=50000h							
C.I.E.	90 99 100 100 100			D DIN 5040	A60		
F UTE	1.00 A			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	0.39	0.77	1.16	1.55	1.93	OC	0.41	0.83	1.24	1.66	2.07
OB	0.39	0.77	1.16	1.55	1.93	OD	0.41	0.83	1.24	1.66	2.07

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	1386.99	1300.86	913.68	570.00	290.20	112.64	30.41	3.41	1.29	0.12
OB	1386.99	1300.86	913.68	570.00	290.20	112.64	30.41	3.41	1.29	0.12
OC	1386.99	1317.41	980.17	600.79	294.60	102.59	23.67	3.53	1.14	0.10
OD	1386.99	1317.41	980.17	600.79	294.60	102.59	23.67	3.53	1.14	0.10



H[m]	D[m]	Max lux	Med lux	Alpha=21.1°+21.1°	G=0.0
1.00	0.77	1387	770		
2.00	1.55	347	193		
3.00	2.32	154	86		
4.00	3.09	87	48		
5.00	3.87	55	31		

H[m]	D[m]	Max lux	Med lux	Beta=22.5°+22.5°	G=0.0
1.00	0.83	1387	770		
2.00	1.66	347	193		
3.00	2.48	154	86		
4.00	3.31	87	48		
5.00	4.14	55	31		

Luminaire

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Measur.

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Luminaire Flux	950.00 lm	Luminaire Power	28.00 W	Efficacy	33.93 lm/W	Efficiency	100.00%
Lamps Flux	950.00 lm	Maximum value	1459.99 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	20.8	21.6	21.1	21.8	21.7	20.5	21.3	20.8	21.5	21.7
x=2H y=3H	20.7	21.4	21.0	21.6	21.6	20.4	21.1	20.7	21.3	21.6
x=2H y=4H	20.6	21.3	20.9	21.5	21.5	20.4	21.0	20.6	21.2	21.5
x=2H y=6H	20.6	21.2	20.9	21.4	21.4	20.3	20.9	20.6	21.1	21.4
x=2H y=8H	20.5	21.1	20.9	21.4	21.4	20.2	20.8	20.6	21.1	21.4
x=2H y=12H	20.5	21.0	20.8	21.3	21.4	20.2	20.7	20.6	21.0	21.4
x=4H y=2H	20.7	21.3	21.0	21.5	21.5	20.4	21.0	20.7	21.3	21.5
x=4H y=3H	20.5	21.1	20.9	21.4	21.4	20.3	20.8	20.6	21.1	21.4
x=4H y=4H	20.5	20.9	20.8	21.3	21.3	20.2	20.6	20.6	21.0	21.3
x=4H y=6H	20.4	20.8	20.8	21.1	21.3	20.1	20.5	20.5	20.9	21.3
x=4H y=8H	20.4	20.7	20.8	21.1	21.2	20.1	20.4	20.5	20.8	21.2
x=4H y=12H	20.3	20.6	20.8	21.0	21.2	20.0	20.3	20.5	20.7	21.2
x=8H y=4H	20.4	20.7	20.8	21.1	21.2	20.1	20.4	20.5	20.8	21.2
x=8H y=6H	20.3	20.5	20.7	21.0	21.1	20.0	20.3	20.5	20.7	21.1
x=8H y=8H	20.2	20.5	20.7	20.9	21.1	20.0	20.2	20.4	20.6	21.1
x=8H y=12H	20.2	20.4	20.7	20.8	21.0	19.9	20.1	20.4	20.5	21.0
x=12H y=4H	20.3	20.6	20.8	21.0	21.2	20.0	20.3	20.5	20.7	21.2
x=12H y=6H	20.2	20.5	20.7	20.9	21.1	19.9	20.2	20.4	20.6	21.1
x=12H y=8H	20.2	20.4	20.7	20.8	21.0	19.9	20.1	20.4	20.5	21.0