

Luminaire

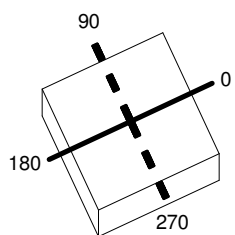
Code T087700
Name REEDS LED F TRIPLE IP67

Measur.

Code FTS1602557
Name REEDS LED F TRIPLE IP67

Luminaire Flux	237.00 lm	Luminaire Power	28.00 W	Efficacy	8.46 lm/W	Efficiency	100.00%
Lamps Flux	237.00 lm	Maximum value	1127.08 cd/klm	Position	C=300.00 G=176.00	CG	Asymmetrical
Rectangular Luminaire		Length	230 mm	Width	230 mm	Height	1490 mm
Rectangular Luminous Area		Length	170 mm	Width	170 mm	Height	1440 mm
Horizontal Luminous Area			0.028900 m2	Emitting area on Plane 180°			0.244800 m2
Emitting area on Plane 0°			0.244800 m2	Emitting area on Plane 270°			0.244800 m2
Emitting area on Plane 90°			0.244800 m2	Glare area at 76°			0.244520 m2
Coordinate system		CG		Symmetry Type		Asymmetrical	
Date		28-03-2014		Maximum Gamma Angle		180	
Measurement Distance		0.00		Measurement Flux		237.00 lm	
LED Flux=2037lm LED Power=22,5W Eff=12% EfcLed=91lm/W EfcLum=8,46lm/W Ra=80 SDCM=4 L70(6K)=35600h							
C.I.E.	30 58 82 23 100			D DIN 5040		D13	
F UTE	0.23 H + 0.77 T			B NBN		BZ 7	

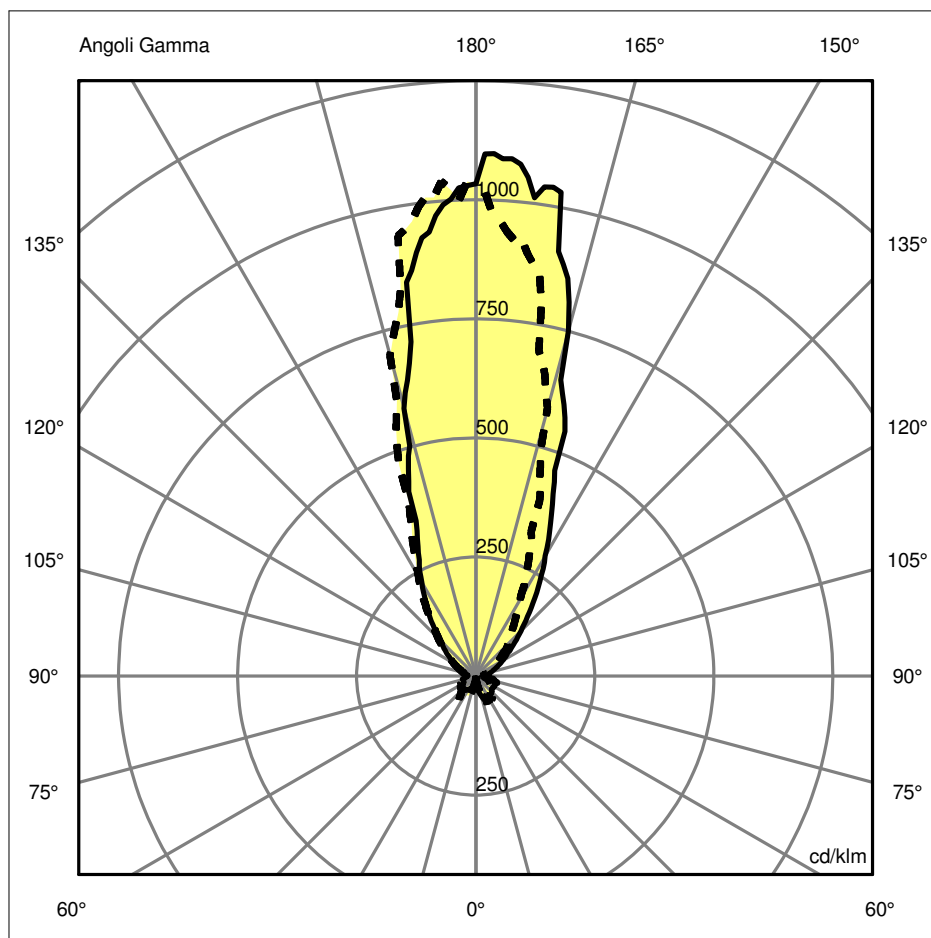
230mm x 230mm



Semipiani C

180.0 ——— 0.0
270.0 - - - - - 90.0

ULOR 76.95 %
DLOR 23.05 %
RN 76.95 %



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Emitting area on Plane 90°		0.244800 m2		Glare area at 76°		0.244520 m2	
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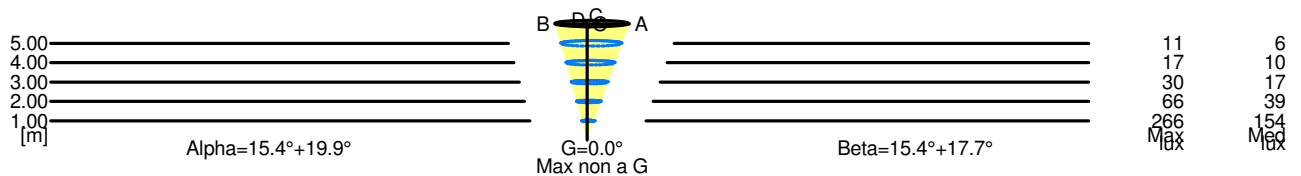
LED Flux=2037lm LED Power=22,5W Eff=12% EfcLed=91lm/W EfcLum=8,46lm/W Ra=80 SDCM=4 L70(6K)=35600h

C.I.E.	30 58 82 23 100	D DIN 5040	D13
F UTE	0.23 H + 0.77 T	B NBN	BZ 7

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	0.36	0.73	1.09	1.45	1.81	OC	0.28	0.55	0.83	1.10	1.38
OB	0.28	0.55	0.83	1.10	1.38	OD	0.32	0.64	0.96	1.28	1.60

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	245.05	255.77	178.11	89.10	54.38	31.77	19.03	12.12	7.87	5.88
OB	245.05	230.08	137.97	67.73	42.79	25.35	15.72	9.55	5.85	3.96
OC	245.05	217.89	138.19	62.13	34.35	23.15	14.43	8.97	5.46	3.73
OD	245.05	239.17	165.01	74.36	43.90	26.07	16.21	9.88	6.31	5.05



5.00	3.19	11	6	
4.00	2.55	17	10	
3.00	1.92	30	17	
2.00	1.28	66	39	
1.00	0.64	266	154	
H[m]	D[m]	Max lux	Med lux	Alpha=15.4°+19.9°

5.00	2.97	11	6	
4.00	2.38	17	10	
3.00	1.78	30	17	
2.00	1.19	66	39	
1.00	0.59	266	154	
H[m]	D[m]	Max lux	Med lux	Beta=17.7°+15.4°

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Measurement

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Luminaire Flux	237.00 lm	Luminaire Power	28.00 W	Efficacy	8.46 lm/W	Efficiency	100.00%
Lamps Flux	237.00 lm	Maximum value	1127.08 cd/klm	Position	C=300.00 G=176.00	CG	Asymmetrical

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	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=2H y=3H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=2H y=4H	< 0	< 0	< 0	< 0	0.8	< 0	< 0	< 0	< 0	0.8
x=2H y=6H	< 0	< 0	< 0	< 0	1.8	< 0	< 0	< 0	0.2	1.8
x=2H y=8H	< 0	< 0	< 0	< 0	2.1	< 0	< 0	0.0	0.5	2.1
x=2H y=12H	< 0	< 0	< 0	< 0	2.5	< 0	< 0	0.4	0.8	2.5
x=4H y=2H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=4H y=3H	< 0	< 0	< 0	< 0	0.5	< 0	< 0	< 0	< 0	0.5
x=4H y=4H	< 0	< 0	< 0	< 0	1.9	< 0	< 0	< 0	0.3	1.9
x=4H y=6H	< 0	< 0	< 0	0.3	2.9	< 0	0.1	0.9	1.3	2.9
x=4H y=8H	< 0	< 0	0.4	0.7	3.4	0.2	0.5	1.4	1.7	3.4
x=4H y=12H	< 0	< 0	0.8	1.0	3.7	0.6	0.9	1.8	2.1	3.7
x=8H y=4H	< 0	< 0	< 0	< 0	2.3	< 0	< 0	0.3	0.7	2.3
x=8H y=6H	< 0	< 0	0.6	0.9	3.5	0.4	0.7	1.6	1.9	3.5
x=8H y=8H	< 0	0.2	1.1	1.4	4.1	1.0	1.2	2.2	2.4	4.1
x=8H y=12H	0.4	0.7	1.6	1.9	4.6	1.5	1.7	2.7	2.9	4.6
x=12H y=4H	< 0	< 0	< 0	< 0	2.3	< 0	< 0	0.4	0.7	2.3
x=12H y=6H	< 0	< 0	0.7	1.0	3.6	0.5	0.8	1.7	1.9	3.6
x=12H y=8H	0.1	0.3	1.3	1.5	4.2	1.2	1.4	2.4	2.6	4.2