

**Luminaire**

Code 90019L00L  
Name FESAL D136 PB 930 35° LO

**Measurem.**

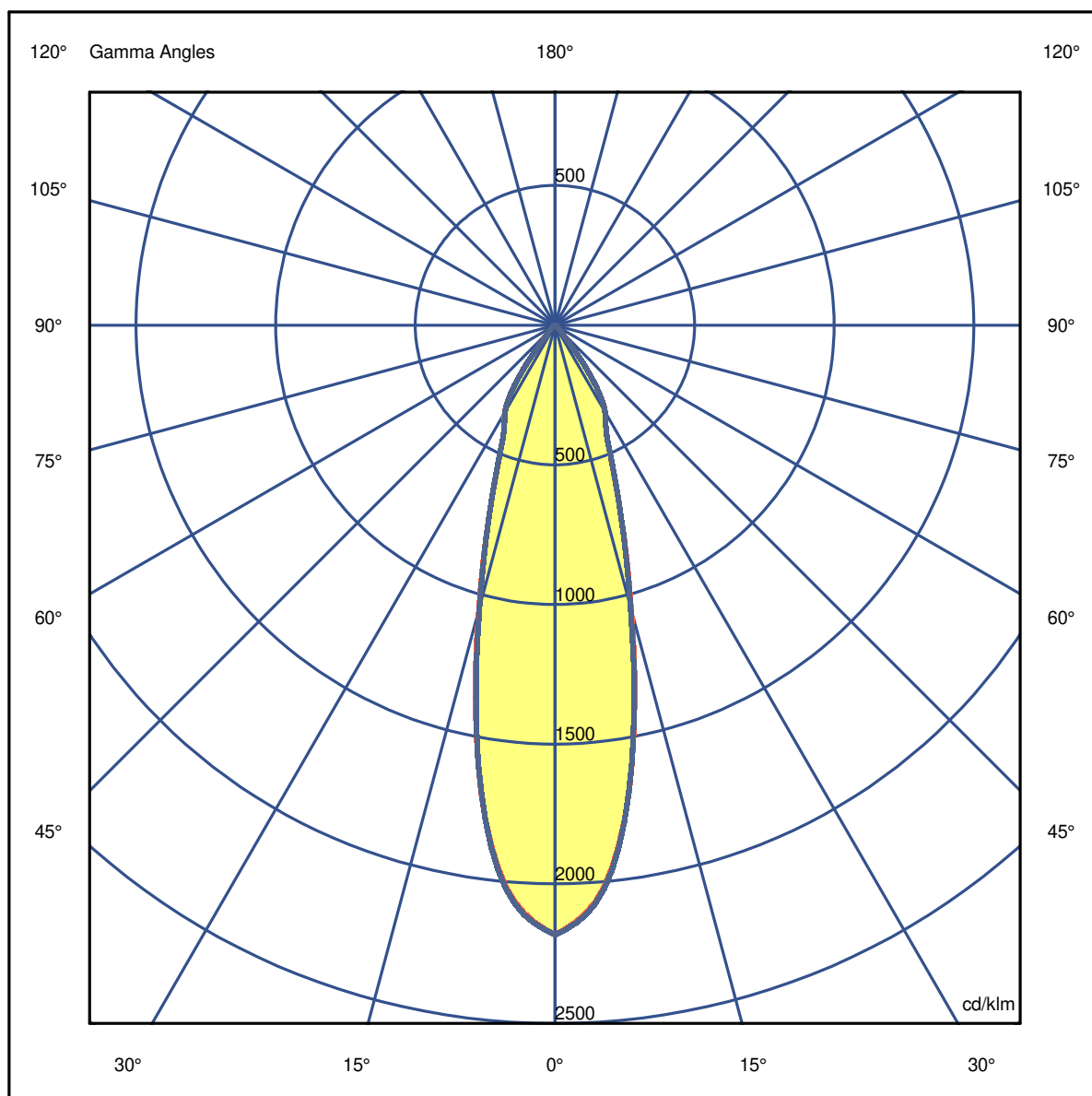
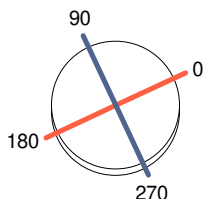
Code 45051  
Name FESAL D136 PB 930 35° LO

Luminaire Flux	849 lm	Luminaire Power	6.5 W	Efficacy	129.843 lm/W	Efficiency	87.36%
Source Flux	972 lm	Maximum value	2182.40 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=136mm

C Halfplanes

180.0 ——— 0.0  
270.0 ——— 90.0



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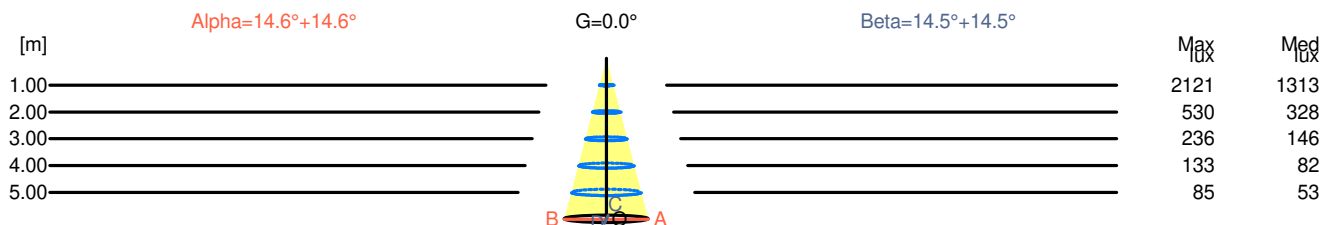
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Width at 50.00 % of Max Intensity

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	0.26	0.52	0.78	1.04	1.31	OC	0.26	0.52	0.78	1.04	1.30
OB	0.26	0.52	0.78	1.04	1.31	OD	0.26	0.52	0.78	1.04	1.30

Luminous Intensities [ cd/klm]										
	0	5	15	25	35	45	55	65	75	85
OA	2121.29	1961.79	1025.17	426.81	220.84	21.00	10.98	8.26	5.83	0.00
OB	2121.29	1961.79	1025.17	426.81	220.84	21.00	10.98	8.26	5.83	0.00
OC	2121.29	1967.91	1015.45	427.78	219.19	21.38	11.37	8.26	5.83	0.00
OD	2121.29	1967.91	1015.45	427.78	219.19	21.38	11.37	8.26	5.83	0.00



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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	12.4	13.1	12.7	13.3	13.5	12.4	13.1	12.6	13.2	13.4
x=2H y=3H	12.6	13.2	12.8	13.4	13.6	12.5	13.1	12.8	13.4	13.6
x=2H y=4H	12.7	13.3	13.0	13.6	13.8	12.7	13.2	13.0	13.5	13.7
x=2H y=6H	12.7	13.3	13.1	13.6	13.8	12.7	13.2	13.0	13.5	13.8
x=2H y=8H	12.7	13.2	13.0	13.5	13.8	12.7	13.2	13.0	13.4	13.8
x=2H y=12H	12.7	13.2	13.0	13.5	13.8	12.6	13.1	13.0	13.4	13.7
x=4H y=2H	12.3	12.9	12.6	13.1	13.4	12.3	12.9	12.6	13.1	13.4
x=4H y=3H	12.6	13.1	13.0	13.4	13.7	12.5	13.0	12.9	13.3	13.7
x=4H y=4H	12.9	13.3	13.3	13.6	14.0	12.8	13.2	13.2	13.6	13.9
x=4H y=6H	12.9	13.3	13.3	13.6	14.0	12.9	13.2	13.3	13.6	14.0
x=4H y=8H	12.9	13.2	13.3	13.6	14.0	12.8	13.2	13.2	13.5	13.9
x=4H y=12H	12.9	13.1	13.3	13.5	14.0	12.8	13.1	13.2	13.5	13.9
x=8H y=4H	12.9	13.2	13.3	13.6	14.0	12.9	13.2	13.3	13.5	13.9
x=8H y=6H	13.0	13.2	13.4	13.6	14.1	12.9	13.2	13.4	13.6	14.0
x=8H y=8H	12.9	13.1	13.4	13.6	14.0	12.9	13.1	13.3	13.5	14.0
x=8H y=12H	12.9	13.0	13.4	13.5	14.0	12.8	13.0	13.3	13.4	13.9
x=12H y=4H	12.9	13.2	13.3	13.6	14.0	12.8	13.1	13.3	13.5	13.9
x=12H y=6H	12.9	13.1	13.4	13.6	14.0	12.9	13.1	13.3	13.5	14.0
x=12H y=8H	12.9	13.0	13.4	13.5	14.0	12.8	13.0	13.3	13.4	13.9

**Luminaire**

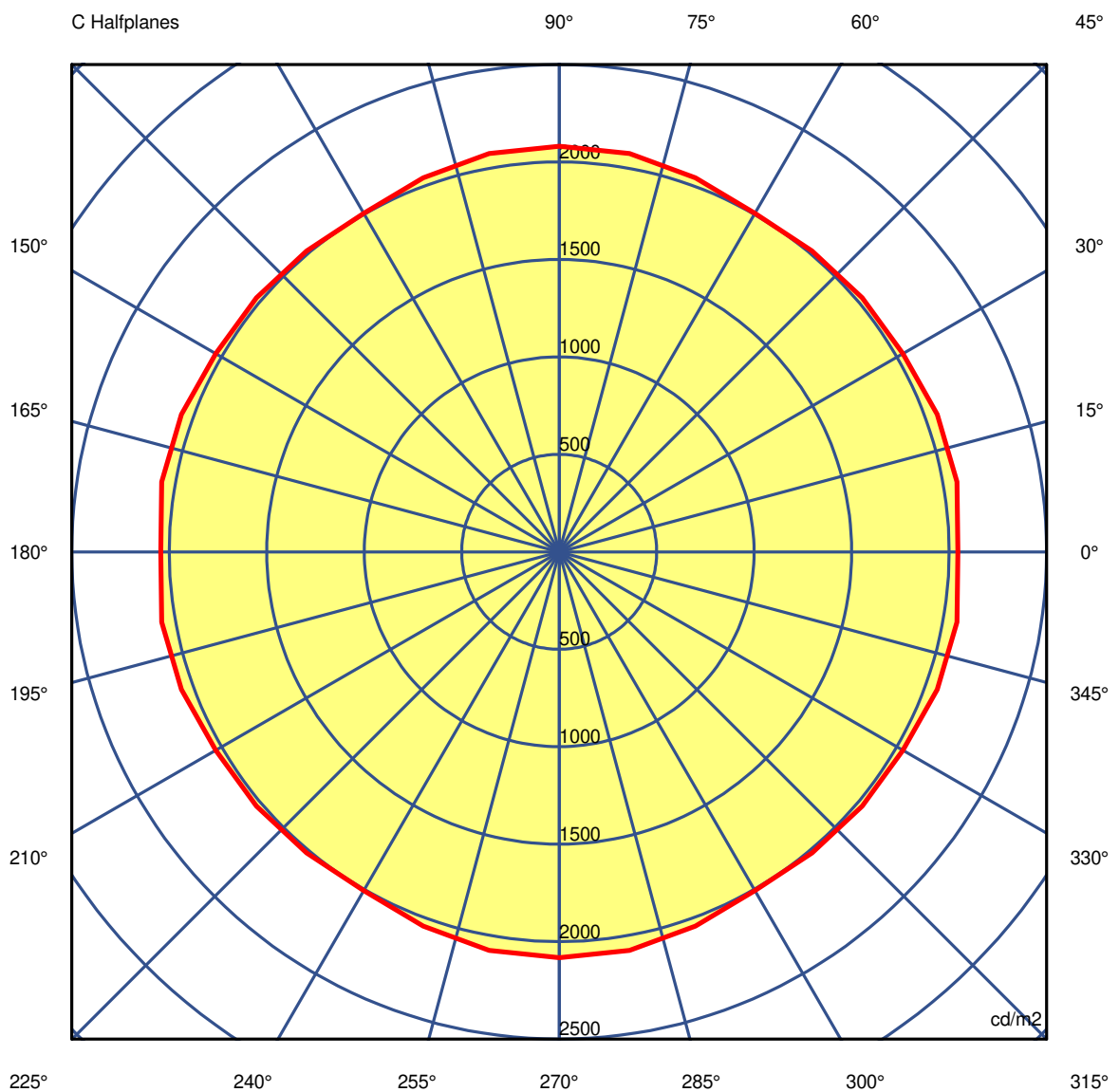
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Source Flux	972 lm	Maximum value	2182.40 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



45.0°

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Luminaire Flux	849 lm		Luminaire Power		6.5 W		Efficacy		129.843 lm/W		Efficiency		87.36%	
Source Flux	972 lm		Maximum value		2182.40 cd/klm		Position		C=0.00 G=0.00		CG		Double Symmetrical	
Luminance cd/m2														
Table 1/3														
	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00	
G 0.0	146027	146027	146027	146027	146027	146027	146027	146027	146027	146027	146027	146027	146027	
G 5.0	135563	135850	135832	135710	135919	135861	135576	135735	135952	135986	135952	135735	135576	
G 10.0	107901	108225	108271	108166	108198	108060	107677	107681	107690	107704	107690	107681	107677	
G 15.0	73061	73452	73327	72936	72986	73003	72756	72516	72393	72368	72393	72516	72756	
G 20.0	47216	47620	47680	47530	47625	47702	47658	47532	47410	47323	47410	47532	47658	
G 25.0	32418	32755	32772	32617	32702	32669	32492	32533	32574	32492	32574	32533	32492	
G 30.0	27768	27884	27896	27845	27866	27878	27869	27853	27796	27644	27796	27853	27869	
G 35.0	18558	18639	18723	18763	18698	18629	18624	18635	18591	18420	18591	18635	18624	
G 40.0	4149	4553	4578	4402	4520	4495	4271	4283	4284	4210	4284	4283	4271	
G 45.0	2044	2070	2063	2034	2028	2016	2006	2042	2075	2082	2075	2042	2006	
G 50.0	1478	1497	1494	1478	1478	1474	1468	1480	1496	1509	1496	1480	1468	
G 55.0	1318	1354	1369	1365	1357	1350	1353	1370	1377	1365	1377	1370	1353	
G 60.0	1285	1302	1321	1325	1294	1290	1311	1296	1285	1285	1285	1296	1311	
G 65.0	1346	1331	1335	1346	1333	1337	1346	1311	1303	1346	1303	1311	1346	
G 70.0	1311	1329	1325	1311	1320	1339	1330	1276	1252	1252	1252	1276	1330	
G 75.0	1551	1551	1569	1603	1589	1577	1577	1577	1571	1551	1571	1577	1577	
G 80.0	270	342	321	270	327	327	270	321	342	270	342	321	270	
G 85.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
G 90.0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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Source Flux	972 lm	Maximum value		2182.40 cd/klm		Position		C=0.00 G=0.00		CG		Double Symmetrical	
Luminance cd/m2      Table 2/3													
	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	146027	146027	146027	146027	146027	146027	146027	146027	146027	146027	146027	146027	146027
G 5.0	135861	135919	135710	135832	135850	135563	135850	135832	135710	135919	135861	135576	135735
G 10.0	108060	108198	108166	108271	108225	107901	108225	108271	108166	108198	108060	107677	107681
G 15.0	73003	72986	72936	73327	73452	73061	73452	73327	72936	72986	73003	72756	72516
G 20.0	47702	47625	47530	47680	47620	47216	47620	47680	47530	47625	47702	47658	47532
G 25.0	32669	32702	32617	32772	32755	32418	32755	32772	32617	32702	32669	32492	32533
G 30.0	27878	27866	27845	27896	27884	27768	27884	27896	27845	27866	27878	27869	27853
G 35.0	18629	18698	18763	18723	18639	18558	18639	18723	18763	18698	18629	18624	18635
G 40.0	4495	4520	4402	4578	4553	4149	4553	4578	4402	4520	4495	4271	4283
G 45.0	2016	2028	2034	2063	2070	2044	2070	2063	2034	2028	2016	2006	2042
G 50.0	1474	1478	1478	1494	1497	1478	1497	1494	1478	1478	1474	1468	1480
G 55.0	1350	1357	1365	1369	1354	1318	1354	1369	1365	1357	1350	1353	1370
G 60.0	1290	1294	1325	1321	1302	1285	1302	1321	1325	1294	1290	1311	1296
G 65.0	1337	1333	1346	1335	1331	1346	1331	1335	1346	1333	1337	1346	1311
G 70.0	1339	1320	1311	1325	1329	1311	1329	1325	1311	1320	1339	1330	1276
G 75.0	1577	1589	1603	1569	1551	1551	1551	1569	1603	1589	1577	1577	1577
G 80.0	327	327	270	321	342	270	342	321	270	327	327	270	321
G 85.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G 90.0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Luminance cd/m2 Table 3/3

	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	146027	146027	146027	146027	146027	146027	146027	146027	146027	146027
G 5.0	135952	135986	135952	135735	135576	135861	135919	135710	135832	135850
G 10.0	107690	107704	107690	107681	107677	108060	108198	108166	108271	108225
G 15.0	72393	72368	72393	72516	72756	73003	72986	72936	73327	73452
G 20.0	47410	47323	47410	47532	47658	47702	47625	47530	47680	47620
G 25.0	32574	32492	32574	32533	32492	32669	32702	32617	32772	32755
G 30.0	27796	27644	27796	27853	27869	27878	27866	27845	27896	27884
G 35.0	18591	18420	18591	18635	18624	18629	18698	18763	18723	18639
G 40.0	4284	4210	4284	4283	4271	4495	4520	4402	4578	4553
G 45.0	2075	2082	2075	2042	2006	2016	2028	2034	2063	2070
G 50.0	1496	1509	1496	1480	1468	1474	1478	1478	1494	1497
G 55.0	1377	1365	1377	1370	1353	1350	1357	1365	1369	1354
G 60.0	1285	1285	1285	1296	1311	1290	1294	1325	1321	1302
G 65.0	1303	1346	1303	1311	1346	1337	1333	1346	1335	1331
G 70.0	1252	1252	1252	1276	1330	1339	1320	1311	1325	1329
G 75.0	1571	1551	1571	1577	1577	1577	1589	1603	1569	1551
G 80.0	342	270	342	321	270	327	327	270	321	342
G 85.0	0	0	0	0	0	0	0	0	0	0
G 90.0	0	0	0	0	0	0	0	0	0	0