

**Luminaire**

Code 90765L00L  
Name FESAL IP D136 PB TRANSP. 940 35° LO

**Measurem.**

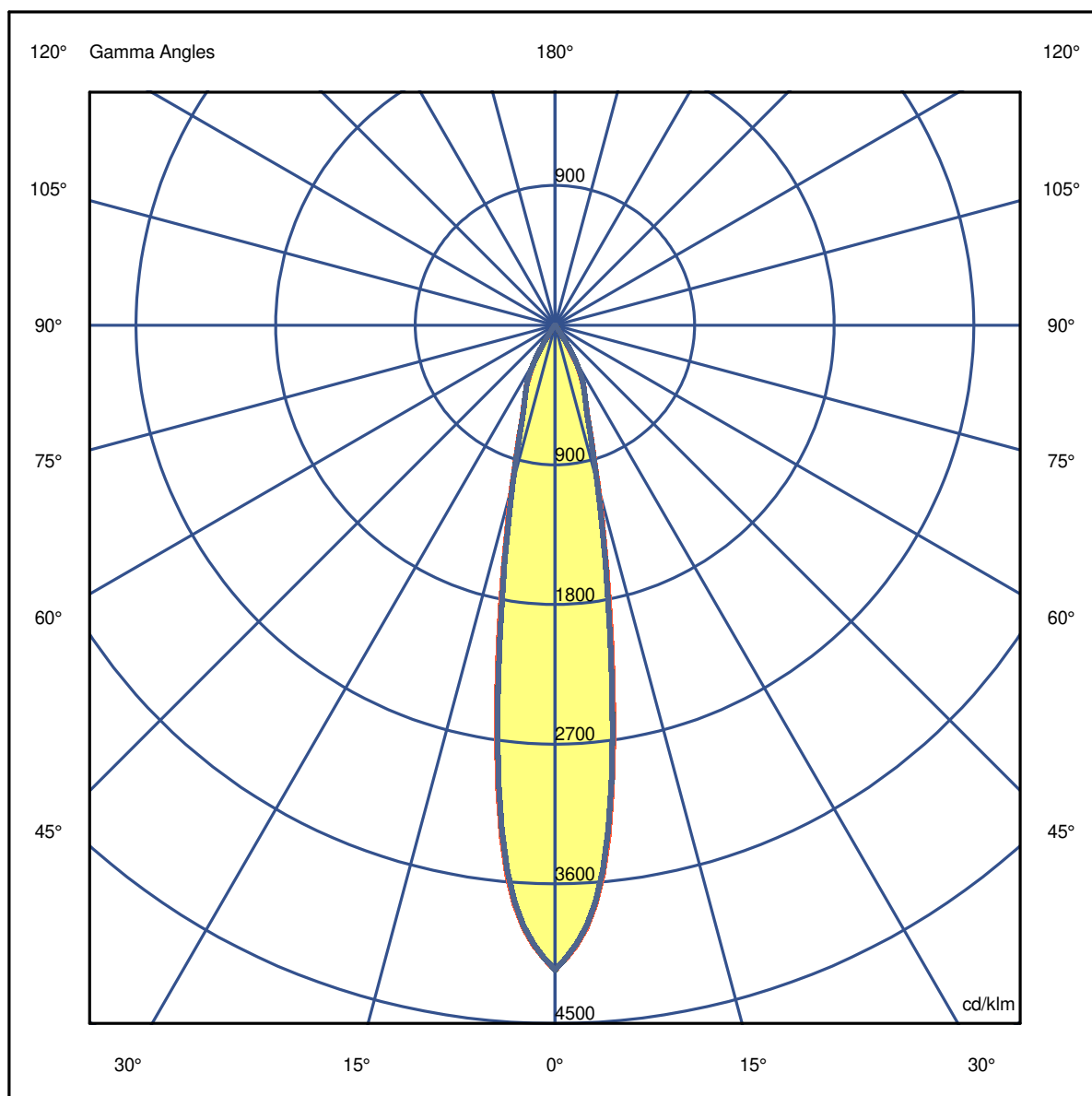
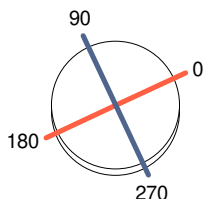
Code 26/4/2023  
Name FESAL IP D136 PB TRANSP. 940 35° LO

Luminaire Flux	934 lm	Luminaire Power	6.5 W	Efficacy	142.812 lm/W	Efficiency	89.21%
Source Flux	1047 lm	Maximum value	4154.10 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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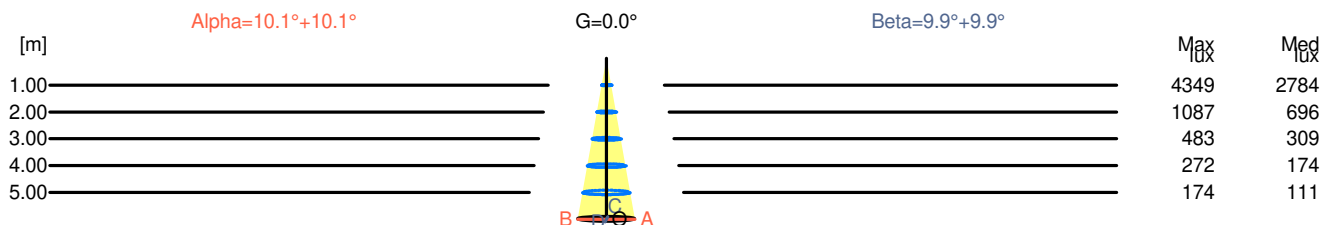
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Width at 50.00 % of Max Intensity

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	0.18	0.36	0.53	0.71	0.89	OC	0.17	0.35	0.52	0.70	0.87
OB	0.18	0.36	0.53	0.71	0.89	OD	0.17	0.35	0.52	0.70	0.87

	0	5	15	25	35	45	55	65	75	85
OA	4349.34	3718.97	1120.91	454.53	52.49	7.76	6.27	6.69	3.51	0.00
OB	4349.34	3718.97	1120.91	454.53	52.49	7.76	6.27	6.69	3.51	0.00
OC	4349.34	3691.67	1099.66	458.56	41.54	7.76	6.37	6.37	3.51	0.00
OD	4349.34	3691.67	1099.66	458.56	41.54	7.76	6.37	6.37	3.51	0.00



H[m]	D[m]	Max lux	Med lux	Alpha=10.1°+10.1°	G=0.0
1.00	0.36	4349	2784		
2.00	0.71	1087	696		
3.00	1.07	483	309		
4.00	1.42	272	174		
5.00	1.78	174	111		

H[m]	D[m]	Max lux	Med lux	Beta=9.9°+9.9°	G=0.0
1.00	0.35	4349	2784		
2.00	0.70	1087	696		
3.00	1.05	483	309		
4.00	1.40	272	174		
5.00	1.75	174	111		

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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	6.5	7.2	6.8	7.4	7.6	6.2	6.9	6.5	7.1	7.3
x=2H y=3H	7.2	7.8	7.5	8.1	8.3	7.0	7.5	7.2	7.8	8.0
x=2H y=4H	7.5	8.1	7.8	8.4	8.6	7.3	7.9	7.6	8.1	8.4
x=2H y=6H	7.6	8.1	7.9	8.4	8.7	7.3	7.8	7.6	8.1	8.4
x=2H y=8H	7.6	8.1	7.9	8.4	8.7	7.3	7.8	7.6	8.1	8.4
x=2H y=12H	7.5	8.0	7.9	8.3	8.6	7.2	7.7	7.6	8.0	8.3
x=4H y=2H	6.7	7.2	7.0	7.5	7.7	6.4	7.0	6.7	7.2	7.5
x=4H y=3H	7.6	8.1	7.9	8.4	8.7	7.4	7.8	7.7	8.1	8.4
x=4H y=4H	8.0	8.5	8.4	8.8	9.1	7.8	8.2	8.2	8.6	8.9
x=4H y=6H	8.1	8.5	8.5	8.8	9.2	7.9	8.2	8.3	8.6	9.0
x=4H y=8H	8.1	8.4	8.5	8.8	9.2	7.8	8.1	8.2	8.5	8.9
x=4H y=12H	8.1	8.3	8.5	8.7	9.1	7.8	8.1	8.2	8.5	8.9
x=8H y=4H	8.1	8.4	8.6	8.8	9.2	8.0	8.3	8.4	8.6	9.0
x=8H y=6H	8.3	8.5	8.7	8.9	9.3	8.0	8.2	8.4	8.6	9.1
x=8H y=8H	8.2	8.4	8.7	8.8	9.3	8.0	8.1	8.4	8.6	9.0
x=8H y=12H	8.2	8.3	8.6	8.8	9.3	7.9	8.0	8.4	8.5	9.0
x=12H y=4H	8.1	8.4	8.5	8.8	9.2	7.9	8.2	8.3	8.6	9.0
x=12H y=6H	8.2	8.4	8.7	8.8	9.3	8.0	8.1	8.4	8.6	9.0
x=12H y=8H	8.2	8.3	8.6	8.8	9.3	7.9	8.1	8.4	8.5	9.0

**Luminaire**

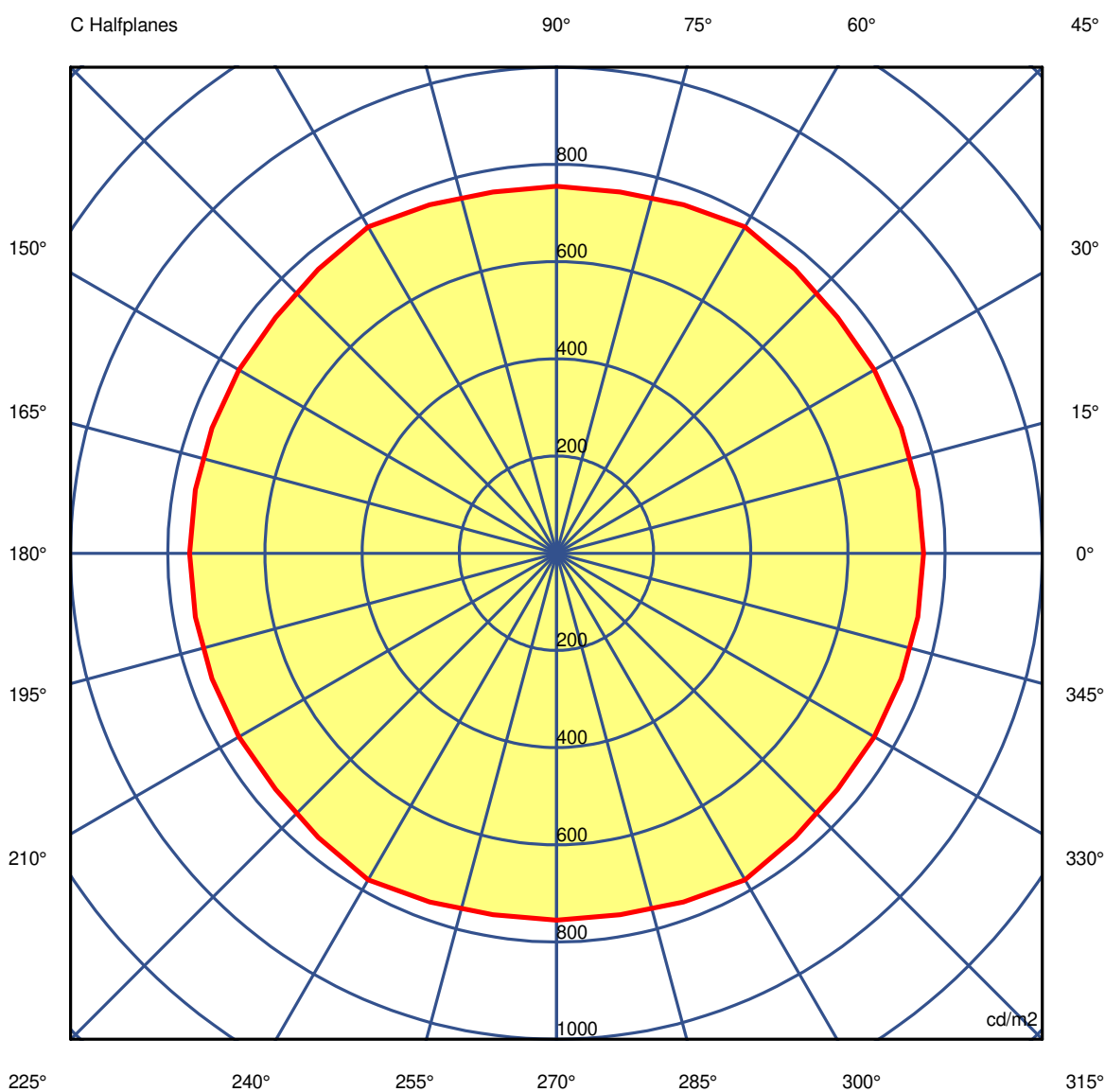
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**Measurem.**

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Luminaire Flux	934 lm	Luminaire Power	6.5 W	Efficacy	142.812 lm/W	Efficiency	89.21%
Source Flux	1047 lm	Maximum value	4154.10 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance



45.0°

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Luminaire Flux	934 lm		Luminaire Power		6.5 W		Efficacy		142.812 lm/W		Efficiency		89.21%	
Source Flux	1047 lm		Maximum value		4154.10 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	299403	299403	299403	299403	299403	299403	299403	299403	299403	299403	299403	299403	299403	
G 5.0	256987	255865	255069	254748	254811	254936	254946	254894	254936	255100	254936	254894	254946	
G 10.0	153749	154273	155176	155665	154517	153334	152649	151569	150621	150065	150621	151569	152649	
G 15.0	79884	79965	80290	80618	79882	79450	79354	78971	78563	78369	78563	78971	79354	
G 20.0	46614	46801	47164	47385	46999	46860	46964	46492	46202	46139	46202	46492	46964	
G 25.0	34524	34670	34906	35129	35134	35160	35177	34999	34879	34830	34879	34999	35177	
G 30.0	20793	20945	21040	21012	20911	20936	21105	20978	20920	21097	20920	20978	21105	
G 35.0	4411	4708	4972	5045	4768	4442	4161	3788	3544	3491	3544	3788	4161	
G 40.0	1136	1152	1153	1146	1146	1136	1117	1123	1124	1108	1124	1123	1117	
G 45.0	755	755	755	755	755	763	776	763	755	755	755	763	776	
G 50.0	671	676	692	705	691	683	683	683	683	683	683	683	683	
G 55.0	752	758	776	791	772	769	791	795	783	765	783	795	791	
G 60.0	965	965	958	951	973	975	951	947	956	965	956	947	951	
G 65.0	1090	1090	1087	1073	1048	1038	1038	1038	1038	1038	1038	1038	1038	
G 70.0	984	1016	1031	1026	1011	1005	1005	1005	1000	984	1000	1005	1005	
G 75.0	933	933	933	933	933	933	933	933	933	933	933	933	933	
G 80.0	421	261	211	211	211	185	126	98	62	0	62	98	126	
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	1047 lm		Maximum value		4154.10 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	299403	299403	299403	299403	299403	299403	299403	299403	299403	299403	299403	299403	299403	299403
G 5.0	254936	254811	254748	255069	255865	256987	255865	255069	254748	254811	254936	254946	254894	254894
G 10.0	153334	154517	155665	155176	154273	153749	154273	155176	155665	154517	153334	152649	151569	151569
G 15.0	79450	79882	80618	80290	79965	79884	79965	80290	80618	79882	79450	79354	78971	78971
G 20.0	46860	46999	47385	47164	46801	46614	46801	47164	47385	46999	46860	46964	46492	46492
G 25.0	35160	35134	35129	34906	34670	34524	34670	34906	35129	35134	35160	35177	34999	34999
G 30.0	20936	20911	21012	21040	20945	20793	20945	21040	21012	20911	20936	21105	20978	20978
G 35.0	4442	4768	5045	4972	4708	4411	4708	4972	5045	4768	4442	4161	3788	3788
G 40.0	1136	1146	1146	1153	1152	1136	1152	1153	1146	1146	1136	1117	1123	1123
G 45.0	763	755	755	755	755	755	755	755	755	755	763	776	763	763
G 50.0	683	691	705	692	676	671	676	692	705	691	683	683	683	683
G 55.0	769	772	791	776	758	752	758	776	791	772	769	791	795	795
G 60.0	975	973	951	958	965	965	965	958	951	973	975	951	947	947
G 65.0	1038	1048	1073	1087	1090	1090	1090	1087	1073	1048	1038	1038	1038	1038
G 70.0	1005	1011	1026	1031	1016	984	1016	1031	1026	1011	1005	1005	1005	1005
G 75.0	933	933	933	933	933	933	933	933	933	933	933	933	933	933
G 80.0	185	211	211	211	261	421	261	211	211	211	185	126	98	98
G 85.0	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	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	299403	299403	299403	299403	299403	299403	299403	299403	299403	299403
G 5.0	254936	255100	254936	254894	254946	254936	254811	254748	255069	255865
G 10.0	150621	150065	150621	151569	152649	153334	154517	155665	155176	154273
G 15.0	78563	78369	78563	78971	79354	79450	79882	80618	80290	79965
G 20.0	46202	46139	46202	46492	46964	46860	46999	47385	47164	46801
G 25.0	34879	34830	34879	34999	35177	35160	35134	35129	34906	34670
G 30.0	20920	21097	20920	20978	21105	20936	20911	21012	21040	20945
G 35.0	3544	3491	3544	3788	4161	4442	4768	5045	4972	4708
G 40.0	1124	1108	1124	1123	1117	1136	1146	1146	1153	1152
G 45.0	755	755	755	763	776	763	755	755	755	755
G 50.0	683	683	683	683	683	683	691	705	692	676
G 55.0	783	765	783	795	791	769	772	791	776	758
G 60.0	956	965	956	947	951	975	973	951	958	965
G 65.0	1038	1038	1038	1038	1038	1038	1048	1073	1087	1090
G 70.0	1000	984	1000	1005	1005	1005	1011	1026	1031	1016
G 75.0	933	933	933	933	933	933	933	933	933	933
G 80.0	62	0	62	98	126	185	211	211	211	261
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