

**Luminaire**

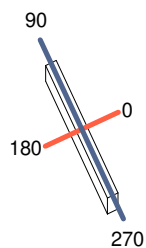
Code 90834L060  
Name TRN L0590 DAZ 840

**Measurem.**

Code 7/7/2023  
Name TRN L0590 DAZ 840

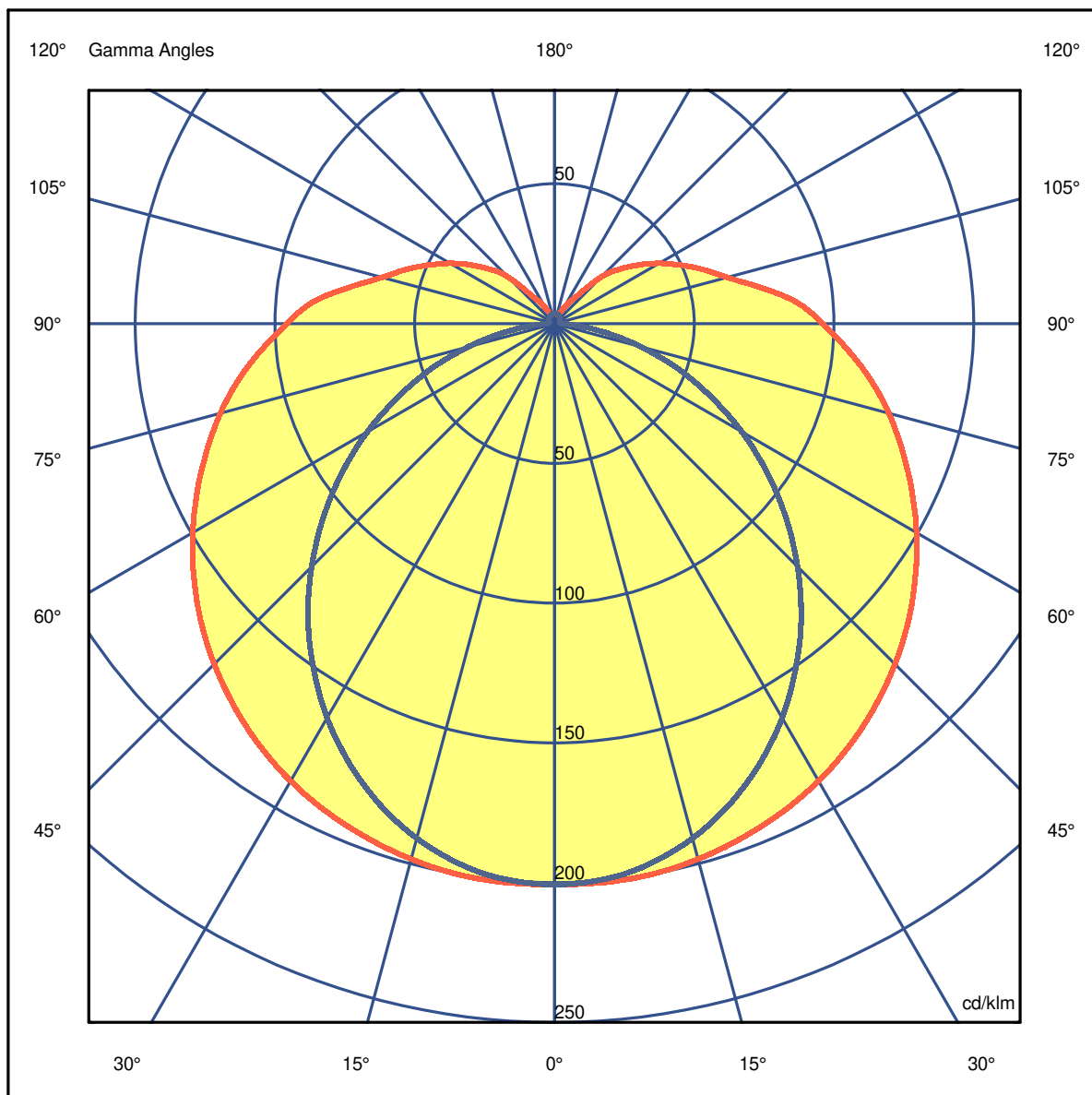
Luminaire Flux	1746 lm	Luminaire Power	12.3 W	Efficacy	142.172 lm/W	Efficiency	90.93%
Source Flux	1920 lm	Maximum value	200.70 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

590mm x 48mm



C Halfplanes

180.0 — 0.0  
270.0 — 90.0



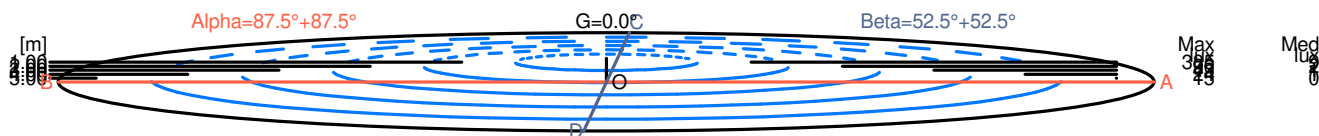
**Luminaire**Code 90834L060  
Name TRN L0590 DAZ 840**Measurem.**Code 7/7/2023  
Name TRN L0590 DAZ 840

Luminaire Flux	1746 lm	Luminaire Power	12.3 W	Efficacy	142.172 lm/W	Efficiency	90.93%
Source Flux	1920 lm	Maximum value	200.70 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	22.99	45.98	68.96	91.95	114.94	OC	1.30	2.61	3.91	5.22	6.52
OB	22.99	45.98	68.96	91.95	114.94	OD	1.30	2.61	3.91	5.22	6.52

	0	5	15	25	35	45	55	65	75	85
OA	385.34	385.34	380.74	370.18	353.47	330.62	302.59	270.72	237.70	201.79
OB	385.34	385.34	380.74	370.18	353.47	330.62	302.59	270.72	237.70	201.79
OC	385.34	383.23	365.95	333.31	288.77	235.97	177.98	118.08	61.25	15.17
OD	385.34	383.23	365.95	333.31	288.77	235.97	177.98	118.08	61.25	15.17



H[m]	D[m]	Max lux	Med lux	Alpha=87.5°+87.5°	G=0.0
1.00	45.98	385	9		
2.00	91.95	96	2		
3.00	137.93	43	1		
4.00	183.90	24	1		
5.00	229.88	15	0		

H[m]	D[m]	Max lux	Med lux	Beta=52.5°+52.5°	G=0.0
1.00	2.61	385	9		
2.00	5.22	96	2		
3.00	7.83	43	1		
4.00	10.44	24	1		
5.00	13.04	15	0		

**Luminaire**Code 90834L060  
Name TRN L0590 DAZ 840**Measurem.**Code 7/7/2023  
Name TRN L0590 DAZ 840

Luminaire Flux	1746 lm	Luminaire Power	12.3 W	Efficacy	142.172 lm/W	Efficiency	90.93%
Source Flux	1920 lm	Maximum value	200.70 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
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	20.1	21.3	20.6	21.8	22.4	18.4	19.7	19.0	20.2	20.8
x=2H y=3H	22.3	23.5	22.9	24.0	24.6	19.8	21.0	20.4	21.5	22.1
x=2H y=4H	23.5	24.5	24.0	25.1	25.8	20.4	21.4	20.9	22.0	22.6
x=2H y=6H	24.6	25.6	25.2	26.2	26.9	20.7	21.8	21.3	22.3	23.0
x=2H y=8H	25.2	26.1	25.8	26.7	27.4	20.9	21.8	21.5	22.4	23.1
x=2H y=12H	25.7	26.6	26.3	27.2	27.9	20.9	21.8	21.5	22.4	23.1
x=4H y=2H	20.6	21.7	21.2	22.3	22.9	19.4	20.5	20.0	21.0	21.7
x=4H y=3H	23.1	24.1	23.8	24.7	25.4	21.1	22.0	21.7	22.6	23.3
x=4H y=4H	24.5	25.3	25.1	25.9	26.6	21.8	22.6	22.4	23.3	24.0
x=4H y=6H	25.8	26.6	26.5	27.2	27.9	22.3	23.1	23.0	23.7	24.4
x=4H y=8H	26.5	27.1	27.1	27.8	28.6	22.5	23.2	23.2	23.8	24.6
x=4H y=12H	27.1	27.7	27.8	28.4	29.2	22.6	23.2	23.3	23.9	24.7
x=8H y=4H	24.8	25.5	25.5	26.1	26.9	22.6	23.3	23.2	23.9	24.7
x=8H y=6H	26.4	27.0	27.1	27.6	28.4	23.4	24.0	24.1	24.7	25.5
x=8H y=8H	27.2	27.7	27.9	28.4	29.2	23.8	24.3	24.5	25.0	25.8
x=8H y=12H	28.0	28.5	28.8	29.2	30.0	24.0	24.5	24.7	25.2	26.0
x=12H y=4H	24.8	25.5	25.5	26.1	26.9	22.7	23.4	23.4	24.1	24.8
x=12H y=6H	26.5	27.0	27.2	27.7	28.5	23.8	24.3	24.5	25.0	25.8
x=12H y=8H	27.4	27.8	28.1	28.5	29.4	24.2	24.7	24.9	25.4	26.2

**Luminaire**

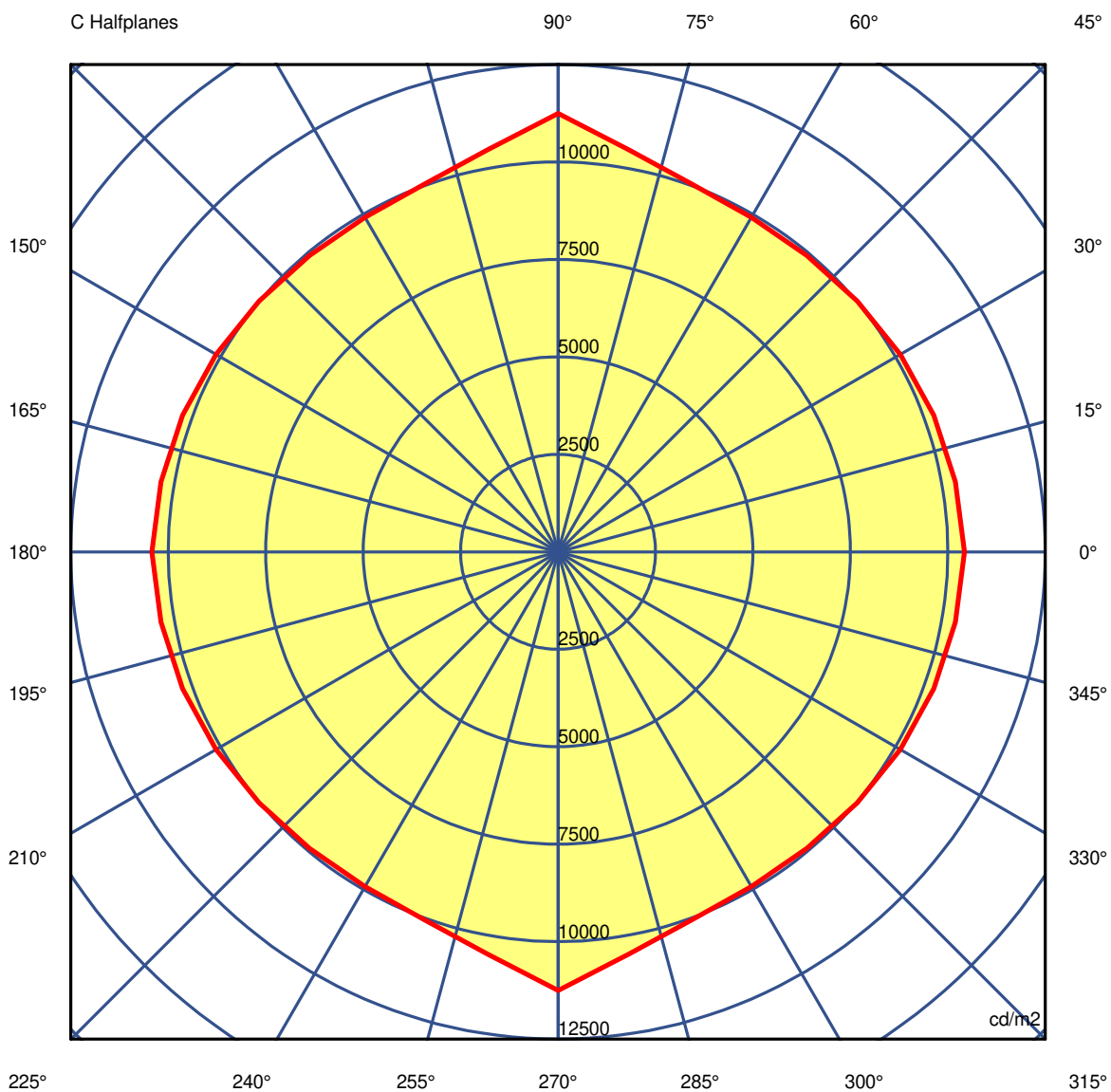
Code 90834L060  
Name TRN L0590 DAZ 840

**Measurem.**

Code 7/7/2023  
Name TRN L0590 DAZ 840

Luminaire Flux	1746 lm	Luminaire Power	12.3 W	Efficacy	142.172 lm/W	Efficiency	90.93%
Source Flux	1920 lm	Maximum value	200.70 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



45.0°

**Luminaire**

Code 90834L060  
Name TRN L0590 DAZ 840

**Measurem.**

Code 7/7/2023  
Name TRN L0590 DAZ 840

Luminaire Flux	1746 lm		Luminaire Power		12.3 W		Efficacy		142.172 lm/W		Efficiency		90.93%	
Source Flux	1920 lm		Maximum value		200.70 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	13607	13607	13607	13607	13607	13607	13607	13607	13607	13607	13607	13607	13607	
G 5.0	12996	12993	13006	13035	13083	13146	13219	13305	13410	13528	13410	13305	13219	
G 10.0	12484	12480	12498	12537	12605	12703	12830	12984	13174	13395	13174	12984	12830	
G 15.0	12037	12022	12040	12086	12162	12275	12431	12632	12893	13210	12893	12632	12431	
G 20.0	11652	11625	11632	11665	11731	11844	12015	12251	12575	12979	12575	12251	12015	
G 25.0	11338	11304	11296	11299	11333	11425	11591	11842	12215	12705	12215	11842	11591	
G 30.0	11062	11016	10992	10969	10969	11024	11164	11415	11830	12405	11830	11415	11164	
G 35.0	10818	10760	10718	10666	10630	10639	10733	10968	11407	12047	11407	10968	10733	
G 40.0	10606	10536	10471	10384	10314	10278	10315	10507	10960	11686	10960	10507	10315	
G 45.0	10428	10344	10258	10134	10014	9929	9913	10040	10471	11250	10471	10040	9913	
G 50.0	10285	10186	10076	9911	9739	9596	9508	9543	9942	10791	9942	9543	9508	
G 55.0	10162	10049	9921	9723	9501	9296	9126	9045	9376	10262	9376	9045	9126	
G 60.0	10083	9960	9811	9575	9303	9026	8756	8565	8813	9685	8813	8565	8756	
G 65.0	10049	9905	9737	9471	9155	8811	8435	8078	8169	8955	8169	8078	8435	
G 70.0	10084	9928	9741	9438	9065	8652	8160	7576	7464	8207	7464	7576	8160	
G 75.0	10207	10029	9820	9486	9077	8596	7969	7146	6714	7099	6714	7146	7969	
G 80.0	10394	10204	9991	9644	9204	8663	7911	6825	5966	5722	5966	6825	7911	
G 85.0	10663	10470	10262	9915	9464	8891	8048	6715	5349	3984	5349	6715	8048	
G 90.0	11146	10929	10728	10396	9958	9400	8557	7129	5566	3143	5566	7129	8557	

**Luminaire**Code 90834L060  
Name TRN L0590 DAZ 840**Measurem.**Code 7/7/2023  
Name TRN L0590 DAZ 840

Luminaire Flux	1746 lm	Luminaire Power		12.3 W		Efficacy		142.172 lm/W		Efficiency		90.93%	
Source Flux	1920 lm	Maximum value		200.70 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	13607	13607	13607	13607	13607	13607	13607	13607	13607	13607	13607	13607	13607
G 5.0	13146	13083	13035	13006	12993	12996	12993	13006	13035	13083	13146	13219	13305
G 10.0	12703	12605	12537	12498	12480	12484	12480	12498	12537	12605	12703	12830	12984
G 15.0	12275	12162	12086	12040	12022	12037	12022	12040	12086	12162	12275	12431	12632
G 20.0	11844	11731	11665	11632	11625	11652	11625	11632	11665	11731	11844	12015	12251
G 25.0	11425	11333	11299	11296	11304	11338	11304	11296	11299	11333	11425	11591	11842
G 30.0	11024	10969	10969	10992	11016	11062	11016	10992	10969	10969	11024	11164	11415
G 35.0	10639	10630	10666	10718	10760	10818	10760	10718	10666	10630	10639	10733	10968
G 40.0	10278	10314	10384	10471	10536	10606	10536	10471	10384	10314	10278	10315	10507
G 45.0	9929	10014	10134	10258	10344	10428	10344	10258	10134	10014	9929	9913	10040
G 50.0	9596	9739	9911	10076	10186	10285	10186	10076	9911	9739	9596	9508	9543
G 55.0	9296	9501	9723	9921	10049	10162	10049	9921	9723	9501	9296	9126	9045
G 60.0	9026	9303	9575	9811	9960	10083	9960	9811	9575	9303	9026	8756	8565
G 65.0	8811	9155	9471	9737	9905	10049	9905	9737	9471	9155	8811	8435	8078
G 70.0	8652	9065	9438	9741	9928	10084	9928	9741	9438	9065	8652	8160	7576
G 75.0	8596	9077	9486	9820	10029	10207	10029	9820	9486	9077	8596	7969	7146
G 80.0	8663	9204	9644	9991	10204	10394	10204	9991	9644	9204	8663	7911	6825
G 85.0	8891	9464	9915	10262	10470	10663	10470	10262	9915	9464	8891	8048	6715
G 90.0	9400	9958	10396	10728	10929	11146	10929	10728	10396	9958	9400	8557	7129

**Luminaire**Code 90834L060  
Name TRN L0590 DAZ 840**Measurem.**Code 7/7/2023  
Name TRN L0590 DAZ 840

Luminaire Flux	1746 lm	Luminaire Power	12.3 W	Efficacy	142.172 lm/W	Efficiency	90.93%
Source Flux	1920 lm	Maximum value	200.70 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

**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	13607	13607	13607	13607	13607	13607	13607	13607	13607	13607
G 5.0	13410	13528	13410	13305	13219	13146	13083	13035	13006	12993
G 10.0	13174	13395	13174	12984	12830	12703	12605	12537	12498	12480
G 15.0	12893	13210	12893	12632	12431	12275	12162	12086	12040	12022
G 20.0	12575	12979	12575	12251	12015	11844	11731	11665	11632	11625
G 25.0	12215	12705	12215	11842	11591	11425	11333	11299	11296	11304
G 30.0	11830	12405	11830	11415	11164	11024	10969	10969	10992	11016
G 35.0	11407	12047	11407	10968	10733	10639	10630	10666	10718	10760
G 40.0	10960	11686	10960	10507	10315	10278	10314	10384	10471	10536
G 45.0	10471	11250	10471	10040	9913	9929	10014	10134	10258	10344
G 50.0	9942	10791	9942	9543	9508	9596	9739	9911	10076	10186
G 55.0	9376	10262	9376	9045	9126	9296	9501	9723	9921	10049
G 60.0	8813	9685	8813	8565	8756	9026	9303	9575	9811	9960
G 65.0	8169	8955	8169	8078	8435	8811	9155	9471	9737	9905
G 70.0	7464	8207	7464	7576	8160	8652	9065	9438	9741	9928
G 75.0	6714	7099	6714	7146	7969	8596	9077	9486	9820	10029
G 80.0	5966	5722	5966	6825	7911	8663	9204	9644	9991	10204
G 85.0	5349	3984	5349	6715	8048	8891	9464	9915	10262	10470
G 90.0	5566	3143	5566	7129	8557	9400	9958	10396	10728	10929