

Compatibility Matrix Datasheet

GAGGIONE
LLC22V



Ø 16 mm very large beam PMMA collimator.

COMPATIBILITY MATRIX

Measured results in black

[Simulated results in blue](#)

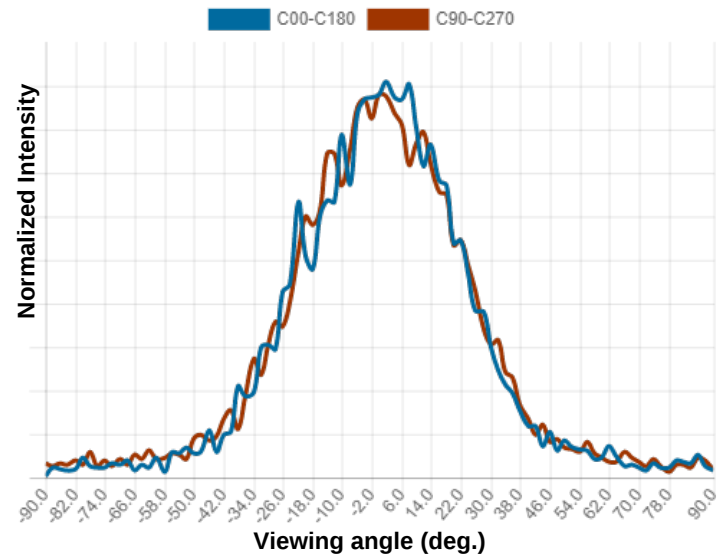
LED Manufacturer	LED Reference	FWHM 1	FWHM 2	FWTM 1	FWTM 2	Efficacy 1	Efficacy 2	CCI
BRIDGELUX	V4_HD BXRH_30G0600_A_72	48.1		85.0		0.9		
CITIZEN	CLU7A2	48.0		84.7		0.9		
CITIZEN	CLU7B2	48.5		78.6		1.1		
CITIZEN	CLU7S3	51.8		87.3		0.9		0.7
CITIZEN	CLU7L3	52.8		81.5		0.9		0.9
CITIZEN	CLU7R3	55.1		99.6		0.8		
CREE	XP-L HI	34.3		62.0		1.9		
CREE	XQ-E HI CLUSTER x4 RGBW	53.0		87.6		0.8		
CREE	XPL-HI_post_PCN5155	54.6		83.4		0.8		0.8
CREE	XD16	55.0		82.1		0.9		
CREE	XP-G2	55.8		82.3		0.9		
CREE	XQ-E HI	56.0		81.9		0.9		
CREE	XP-G2 HE	56.0		85.7		0.8		0.6
CREE	XP-E2	56.1		82.0		0.9		
CREE	XP-P	56.2		81.2		0.9		0.3
CREE	XM-L COLOR GEN 2 HIGH INTENSITY	56.8		91.4		0.8		9.7
LED ENGIN	LZ4 04MDPB	49.6		79.1		1.0		12.3
LUMILEDS	LUXEON_CX_PLUS_CoB_HDS01H04	49.7		92.7		0.8		
LUMILEDS	LUXEON Z CLUSTER x4 RGBW	49.9		78.3		0.9		11.5
LUMILEDS	REBEL ES	51.4		79.5		1.2		
LUMILEDS	REBEL	52.6		77.5		1.2		
LUMILEDS	LUXEON Z CLUSTER x4 TUNABLE WHITE	54.4		83.8		0.8		2.3
LUMINUS	CXM_3	47.6		77.6		1.2		
LUMINUS	CXM_4	49.6		89.3		0.8		
LUMINUS	SST_20_WxH	49.8		76.8		1.3		
LUMINUS	SST_20_WxS	50.2		76.9		1.3		
LUMINUS	SBM_40_SC	53.4		80.1		0.9		
LUMINUS	SFT-40	55.8		82.4		0.9		3.0
NICHIA	NVSW519A	51.7		83.5		1.0		
NICHIA	NVSW219F_V1	52.8		83.7		1.1		
NICHIA	NF2W757G_MT	53.6		82.5		0.9		4.2
NICHIA	NCSWE17AT	53.6		78.9		1.0		
NICHIA	NFSWE11A	55.3		78.5		1.1		
NICHIA	NVSWE21AT	55.3		83.1		0.9		6.0
OSRAM	OSTAR STAGE LE RTDUW S2WN	52.3		79.4		1.0		10.5

LED Manufacturer	LED Reference	FWHM 1	FWHM 2	FWTM 1	FWTM 2	Efficacy 1	Efficacy 2	CCI
OSRAM	OSCONIQ P3737 GW PUSTA1.PM	52.8		83.2		0.9		
OSRAM	OSCONIQ C 2424 GW PLLRA1.EM	53.5		80.1		1.0		
OSRAM	OSTAR STAGE LE CWUW S2W	53.6		80.7		0.9		2.3
OSRAM	OSLON COMPACT CL LUW CEUP	54.2		78.0		1.0		
OSRAM	OSLON PURE 1010 GW VJLPE1 EM	54.4		78.6		1.0		
OSRAM	OSTAR STAGE LE RTDUW S2W	54.5		81.4		1.0		9.5
OSRAM	OSLON SQUARE FLAT KW CSLPM2.PC	54.7		82.2		0.9		
OSRAM	OSLON BLACK FLAT LUW HWQP	54.9		79.8		1.0		
OSRAM	OSCONIQ P3737 GW PULTA1.CM	55.1		84.0		0.9		
OSRAM	OSCONIQ P 3737 GW PULTA1.CM	55.1		84.0		0.9		
OSRAM	OSCONIQ P3737 GW PUSRA1.EM	55.2		83.3		0.9		
OSRAM	OSTAR STAGE LE RTDUW S2WM	55.4		83.2		0.9		13.4
OSRAM	OSLON Boost HX KW CULPM1.TG	55.7		81.2		0.9		
OSRAM	OSLON COMPACT CM LUW CEUN.CE	55.8		80.4		0.9		0.4
OSRAM	OSLON SQUARE GW CSSRM3.PM	56.3		83.5		0.8		0.6
OSRAM	OSLON SQUARE GW CSSRM2.PM	56.4		83.6		0.9		
OSRAM	OSLON SQUARE GW CSSRMU.CM	57.1		86.4		0.7		
PROLIGHT OPTO	PBEE_40FTE	53.0		80.4		0.9		11.2
SEOUL	STW8C12C_E0	50.3		78.1		1.3		
SEOUL	Z5M4	51.7		80.0		1.1		
SEOUL	SPF05F0B	52.7		82.8		0.9		9.4
SEOUL	SPF05F0A	53.0		81.7		0.9		9.0

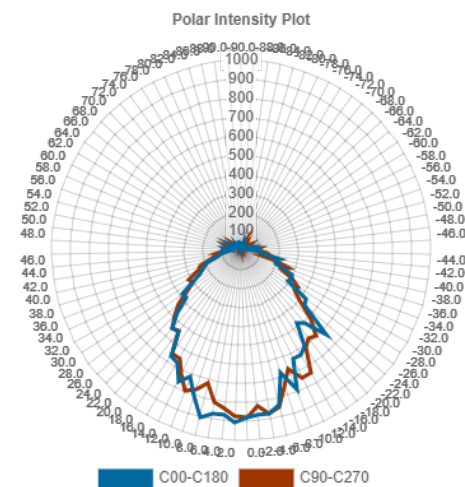
LLC22V with BRIDGELUX V4_HD BXRH_30G0600_A_72

Simulated results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
48.1		85.0		0.9	



A length	B height	C Foot
	8.2(mm)	16.0(mm)



LDT file



IES file



2D Schematics



3D Schematics

LLC22V with CITIZEN CLU7A2

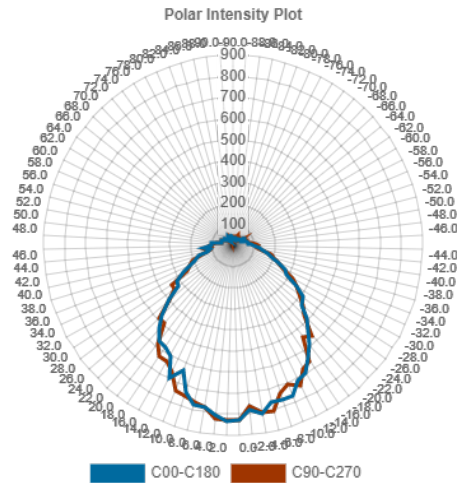
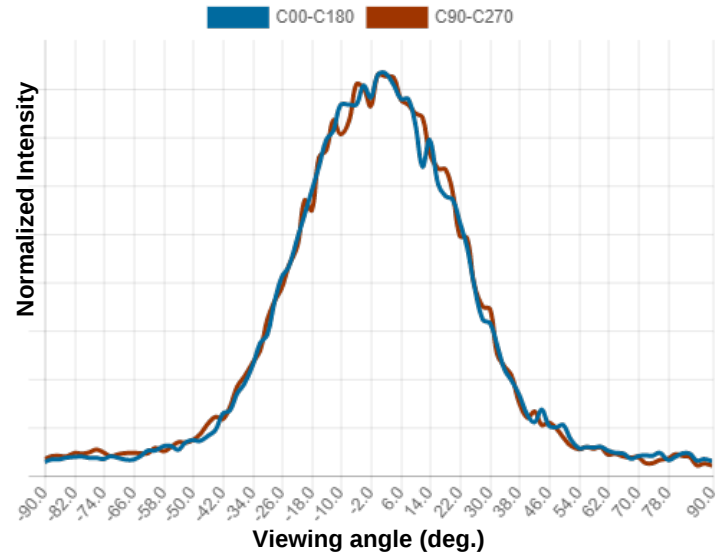
Simulated results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
48.0		84.7		0.9	

CITIZEN



A length	B height	C foot
	8.2(mm)	16.0(mm)



LDT file



IES file



2D Schematics



3D Schematics

LLC22V with CITIZEN CLU7B2

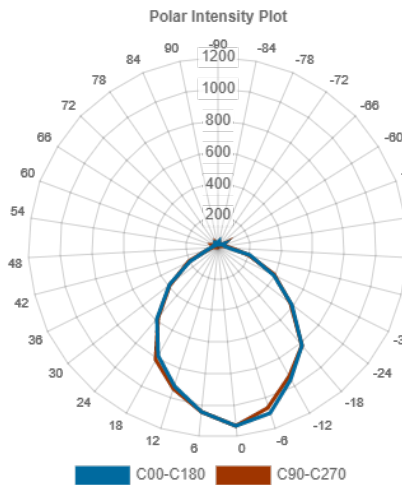
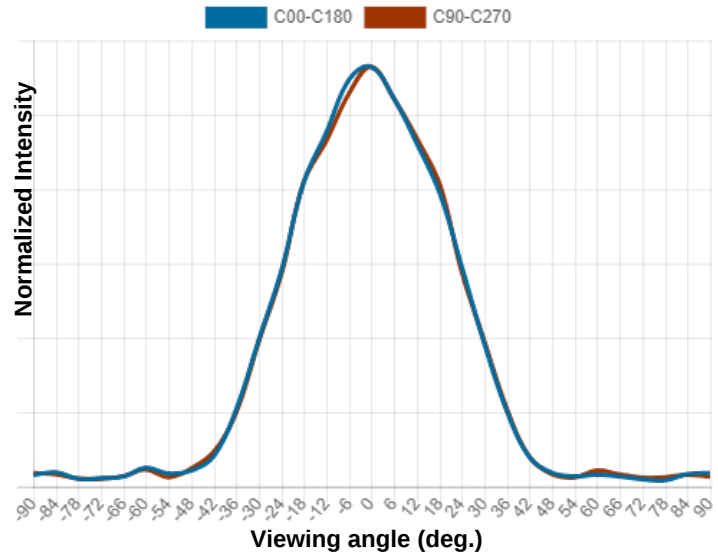
Simulated results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
48.5		78.6		1.1	

CITIZEN



A length	B height	C foot
	8.2(mm)	16.0(mm)



LDT file



IES file



2D Schematics



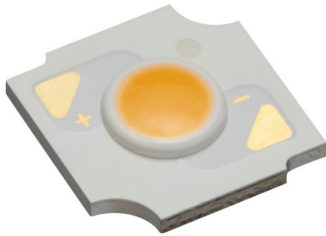
3D Schematics

LLC22V with CITIZEN CLU7S3

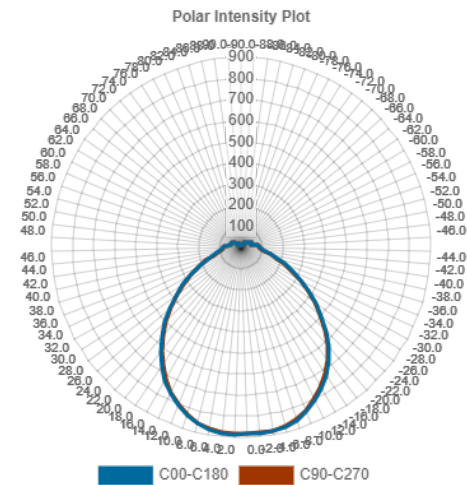
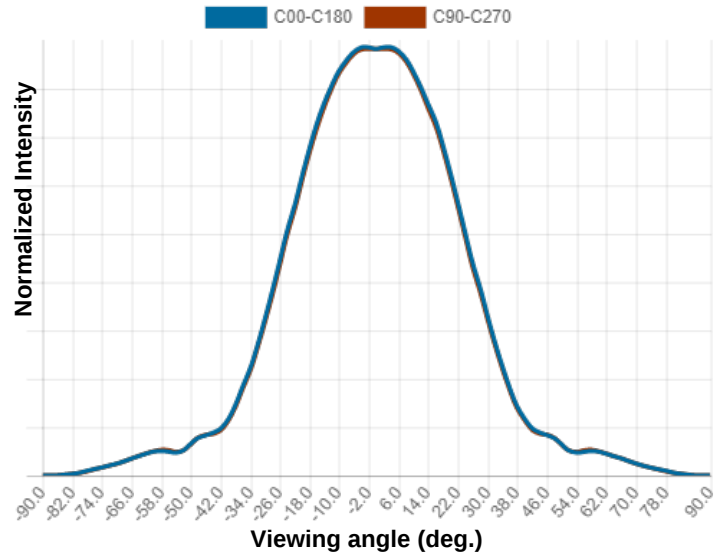
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
51.8		87.3		0.9	

CITIZEN



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories					
LLH01AAC02	LLH01AAC00	LLH01AAC021	LL01BBC02	LLH01BBC00	LL01BBC021



LDT file



IES file



2D Schematics



3D Schematics

LLC22V with CITIZEN CLU7L3

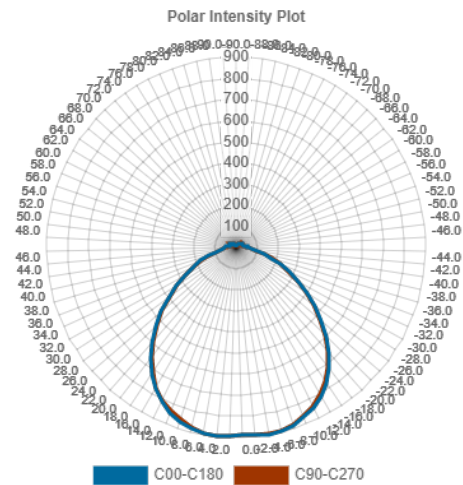
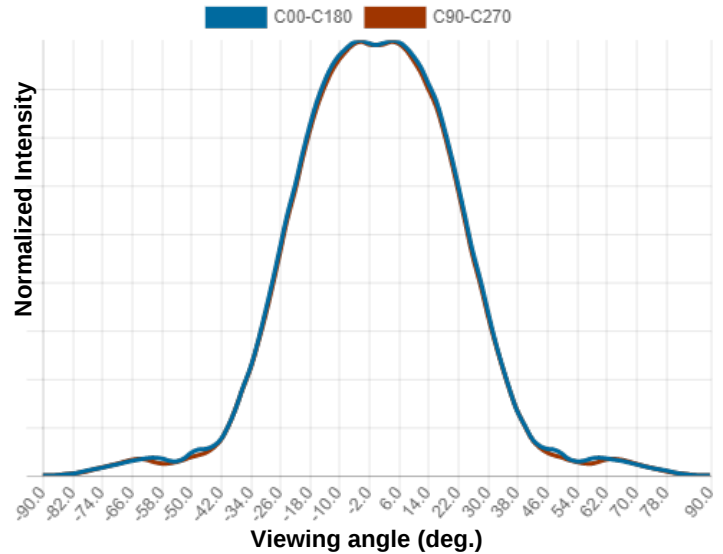
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
52.8		81.5		0.9	

CITIZEN



A length	B height	C foot
	8.2(mm)	16.0(mm)



LDT file



IES file



2D Schematics



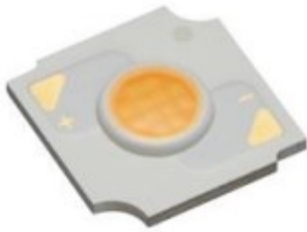
3D Schematics

LLC22V with CITIZEN CLU7R3

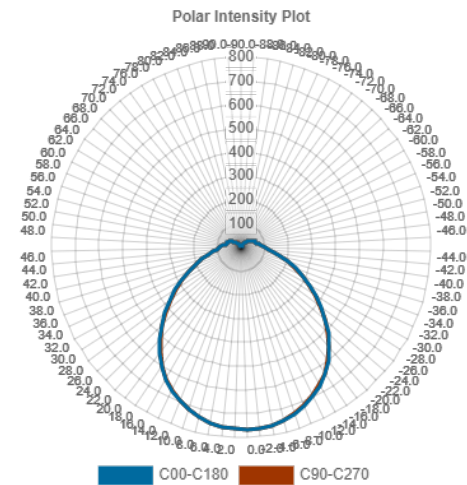
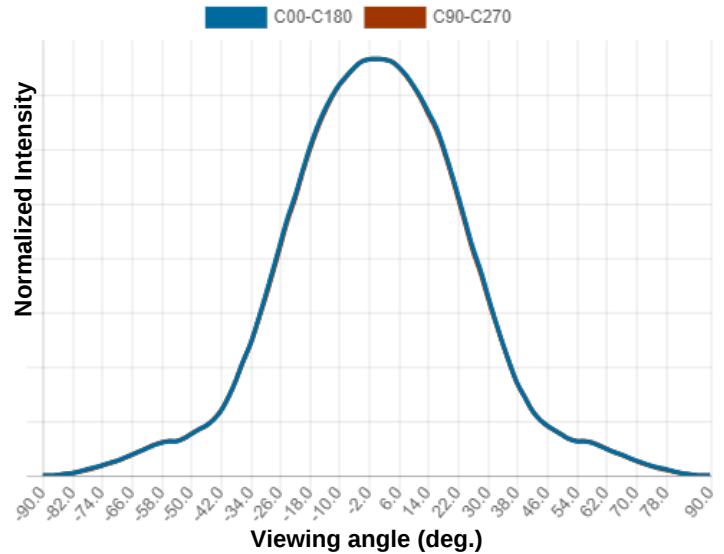
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
55.1		99.6		0.8	

CITIZEN



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01AAC00

LLH01AAC02

LLH01BBC00

LLH01BBC02



LDT file



IES file



2D Schematics

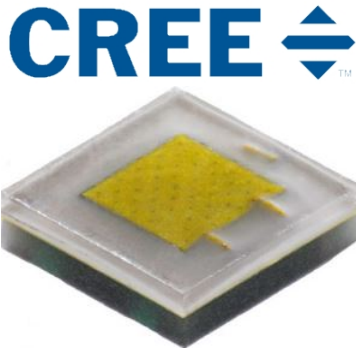


3D Schematics

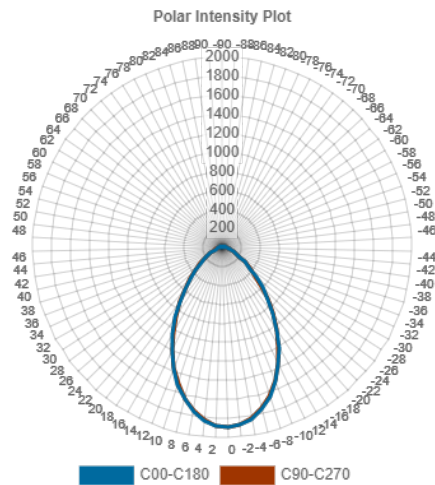
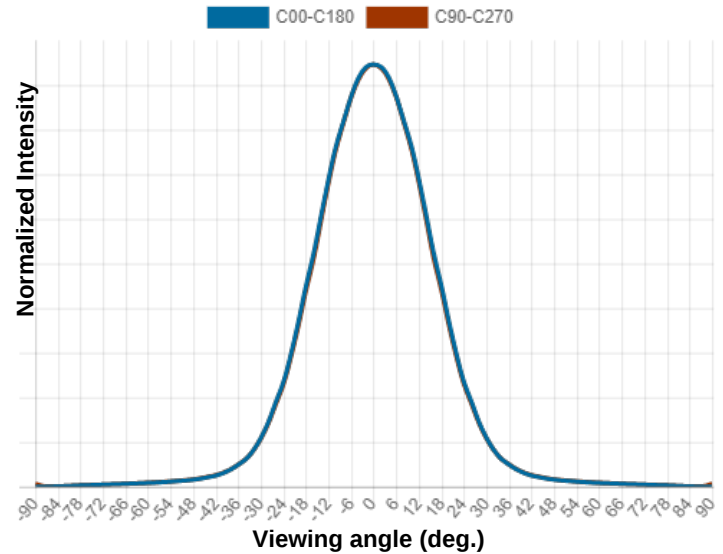
LLC22V with CREE XP-L HI

Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
34.3		62.0		1.9	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics

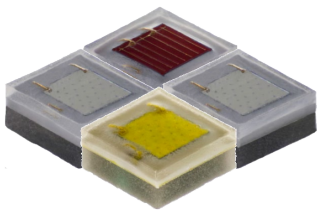


3D Schematics

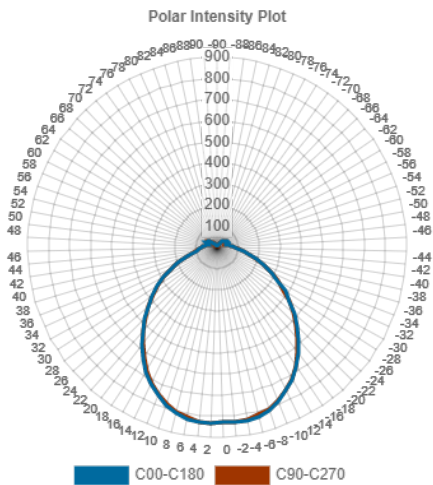
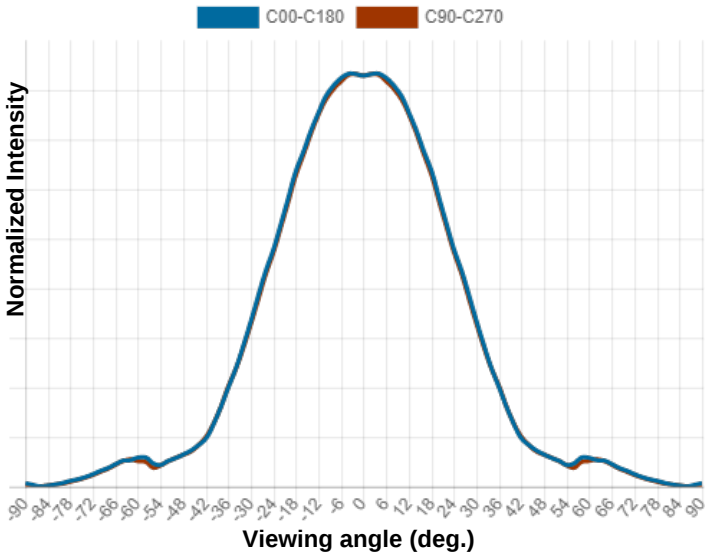
LLC22V with CREE XQ-E HI CLUSTER x4 RGBW

Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
53.0		87.6		0.8	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories									
LLH01BBC00	LLH01BBC02	LLH01BBA00	LLH01BBA02	LLH01AAC00	LLH01AAC02	LLH01AAA00	LLH01AAA02	LLH01BBC021	LLH01BBC022



LDT file



IES file



2D Schematics



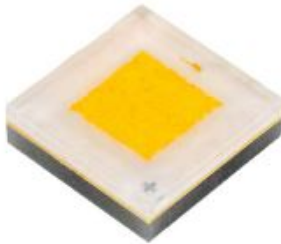
3D Schematics

LLC22V with CREE XPL-HI_post_PCN5155

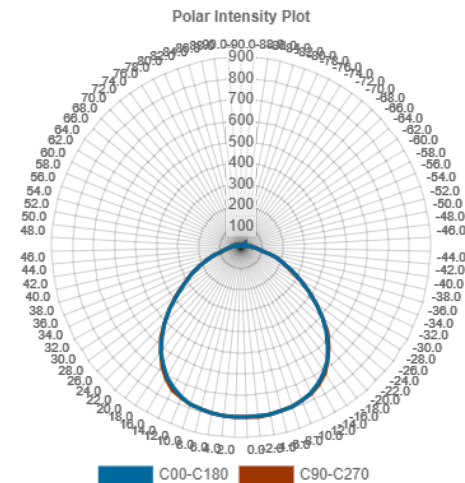
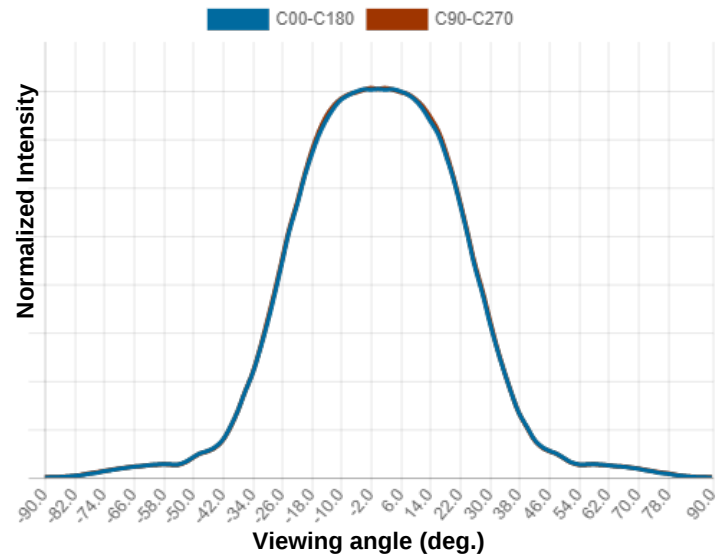
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
54.6		83.4		0.8	

CREE 



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics



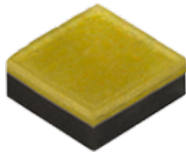
3D Schematics

LLC22V with CREE XD16

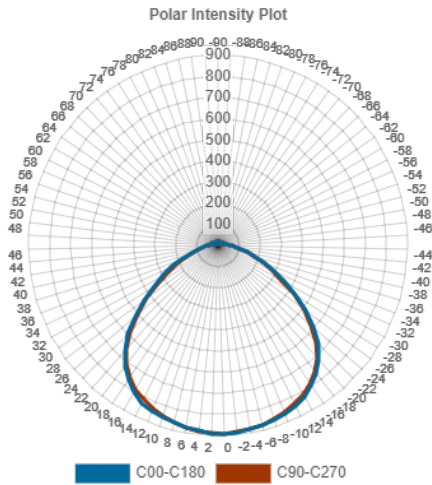
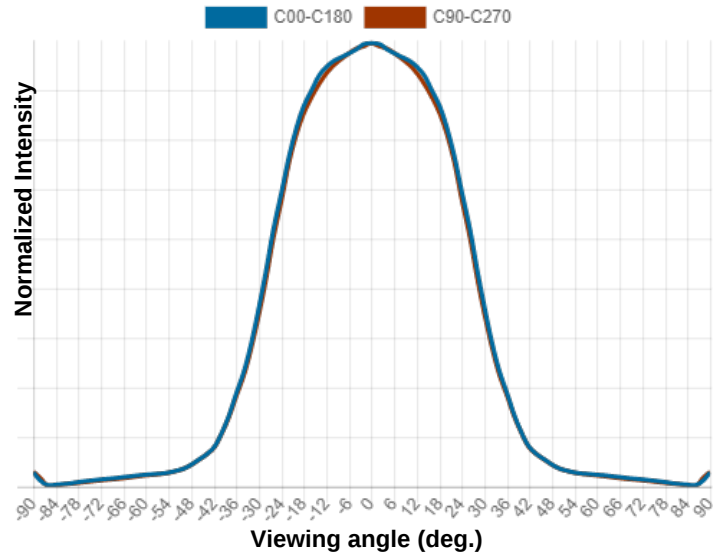
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
55.0		82.1		0.9	

CREE 



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories			
LLH01BBD00	LLH01BBD02	LLH01AAD00	LLH01AAD02



LDT file



IES file



2D Schematics



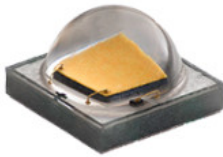
3D Schematics

LLC22V with CREE XP-G2

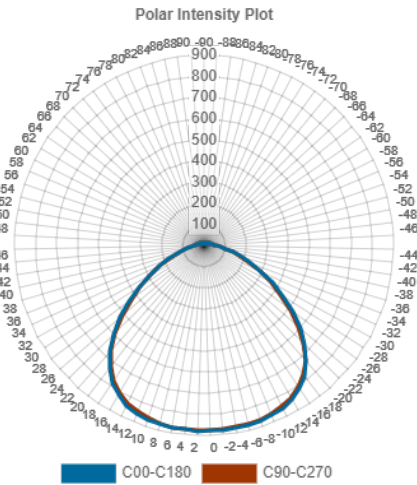
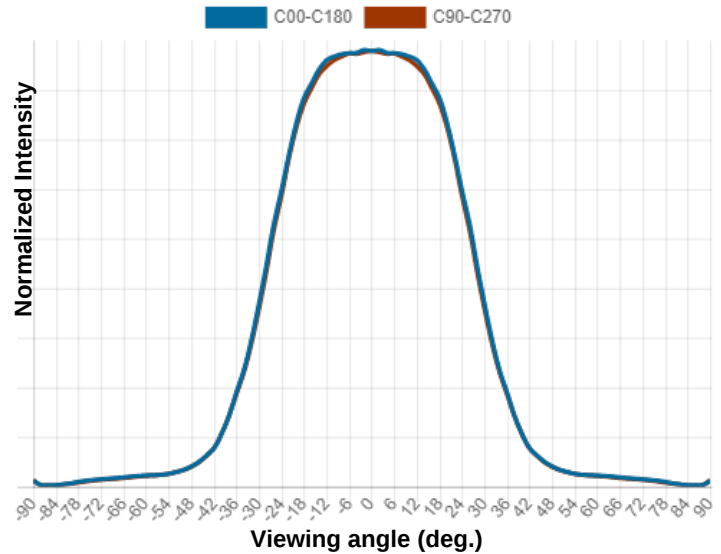
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
55.8		82.3		0.9	

CREE 



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics



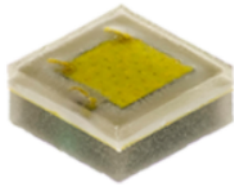
3D Schematics

LLC22V with CREE XQ-E HI

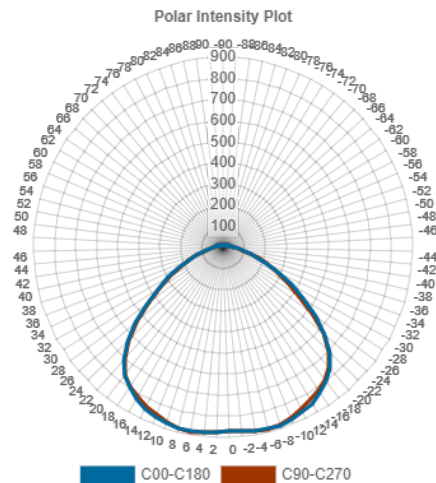
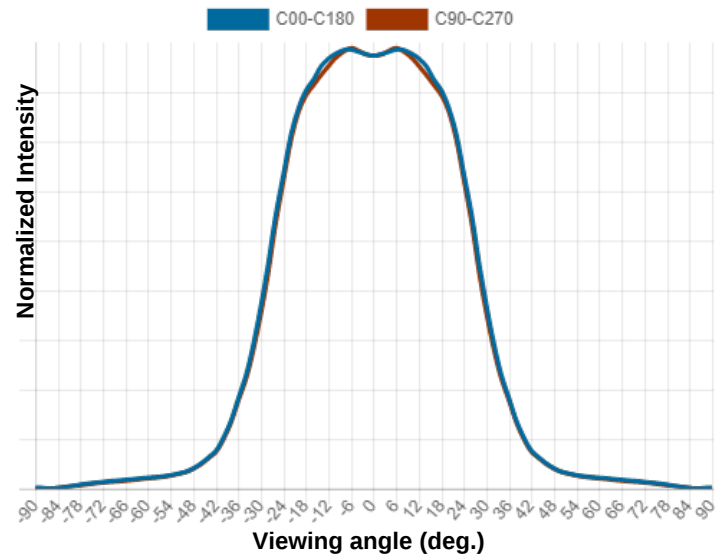
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
56.0		81.9		0.9	

CREE 



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00

LLH01BBC02

LLH01BBA00

LLH01BBA02

LLH01AAC00

LLH01AAC02

LLH01AAA00

LLH01AAA02

LLH01BBC021

LLH01BBC022



LDT file



IES file



2D Schematics



3D Schematics

LLC22V with CREE XP-G2 HE

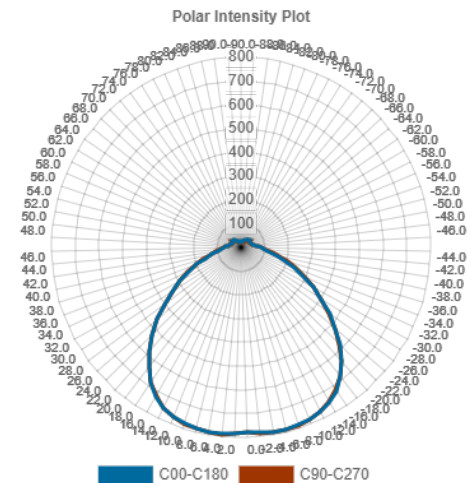
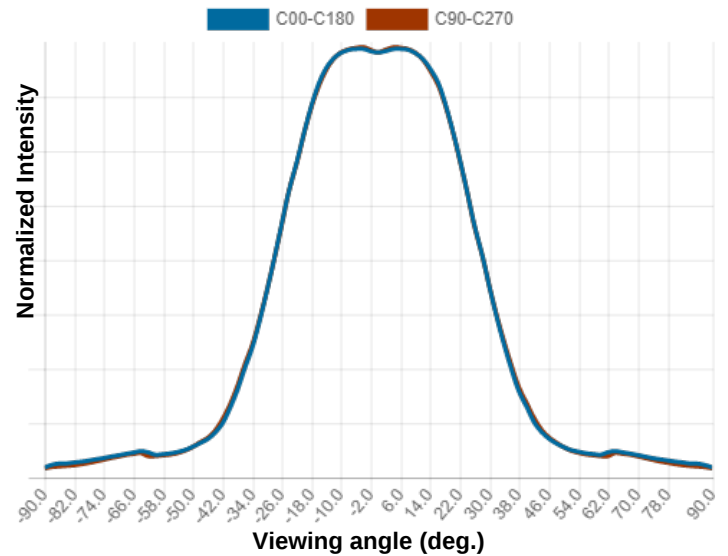
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
56.0		85.7		0.8	

CREE 



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics



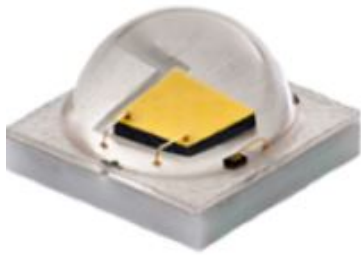
3D Schematics

LLC22V with CREE XP-E2

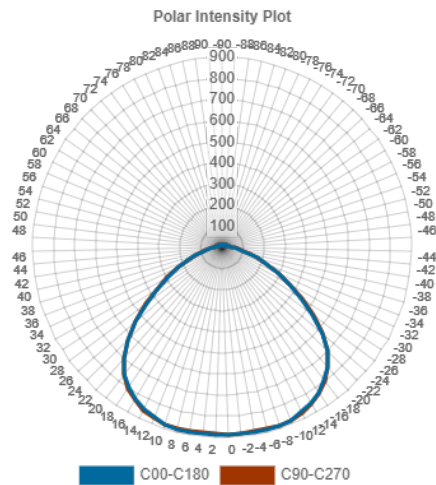
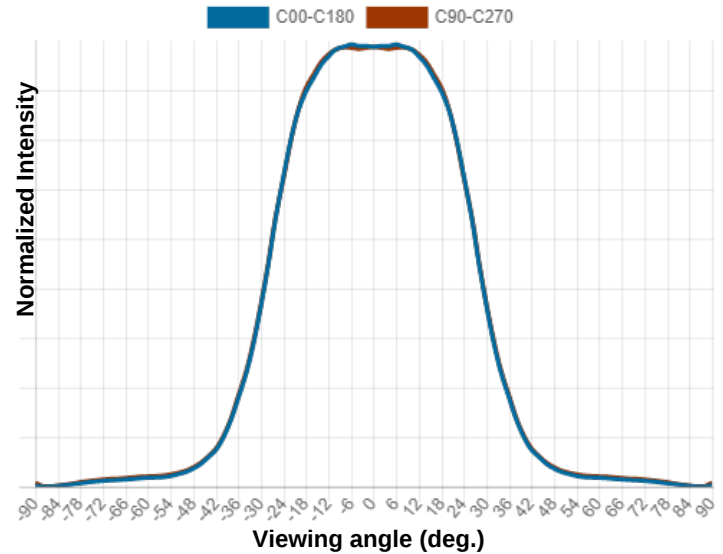
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
56.1		82.0		0.9	

CREE 



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics



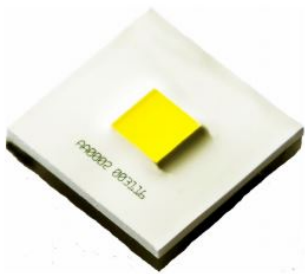
3D Schematics

LLC22V with CREE XP-P

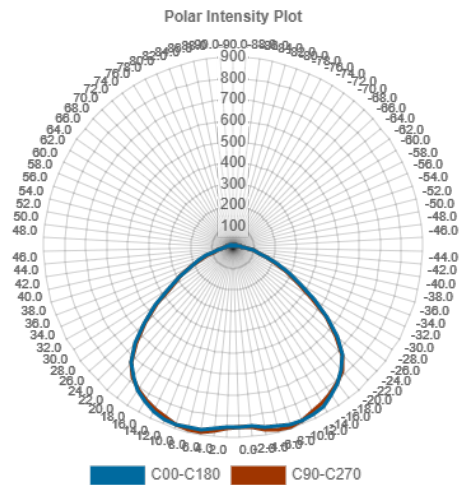
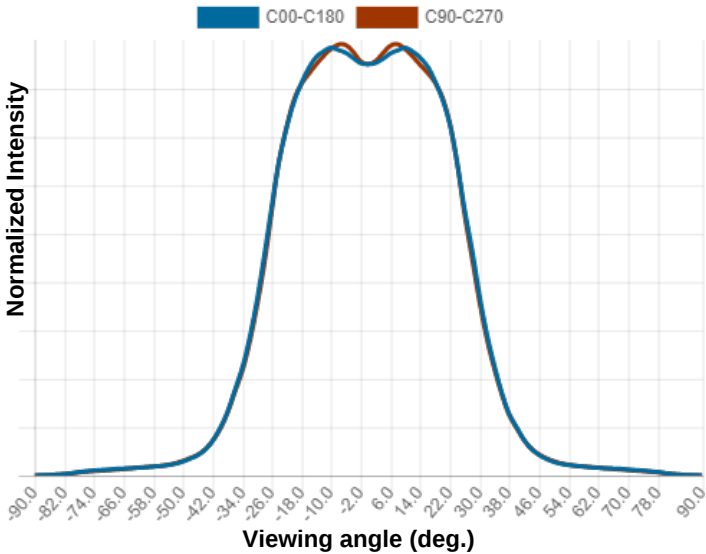
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
56.2		81.2		0.9	

CREE



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories									
LLH01BBC00	LLH01BBC02	LLH01BBA00	LLH01BBA02	LLH01AAC00	LLH01AAC02	LLH01AAA00	LLH01AAA02	LLH01BBC021	LLH01BBC022



LDT file



IES file



2D Schematics



3D Schematics

LLC22V with CREE XM-L COLOR GEN 2 HIGH INTENSITY

Measured results

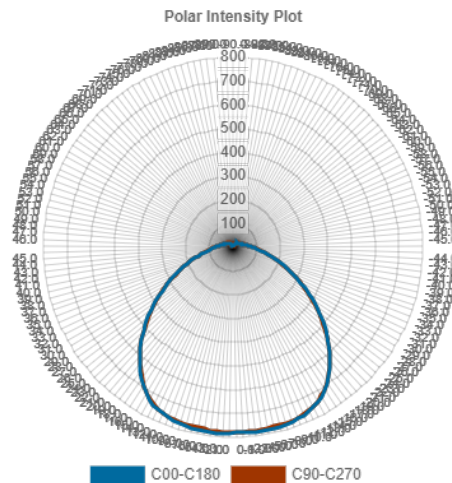
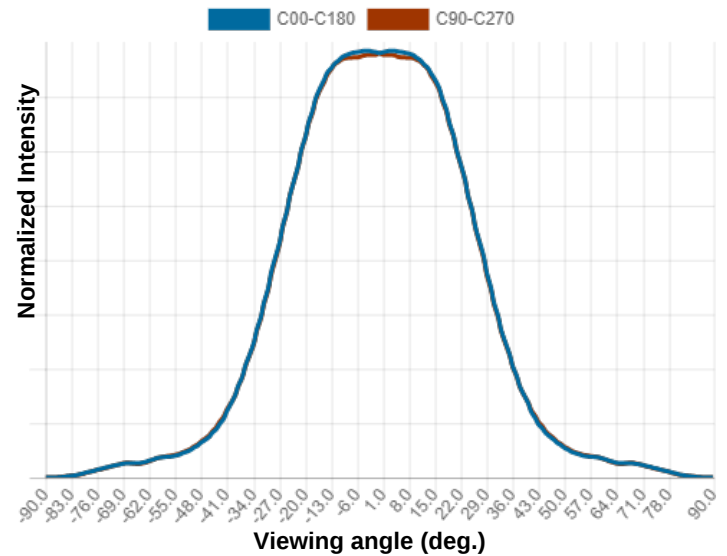
Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
56.8		91.4		0.8	

CREE 



XMLD Hgh Intensity

A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00

LLH01BBC02

LLH01BBA00

LLH01BBA02

LLH01AAC00

LLH01AAC02

LLH01AAA00

LLH01AAA02

LLH01BBC021

L



LDT file



IES file



2D Schematics

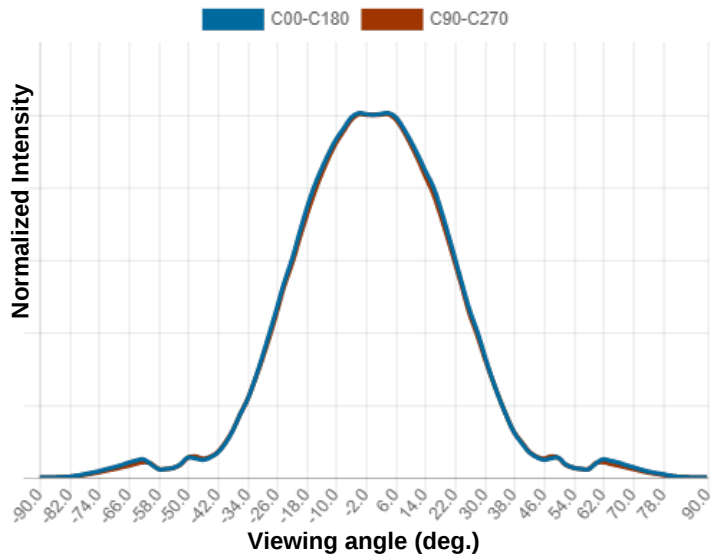


3D Schematics

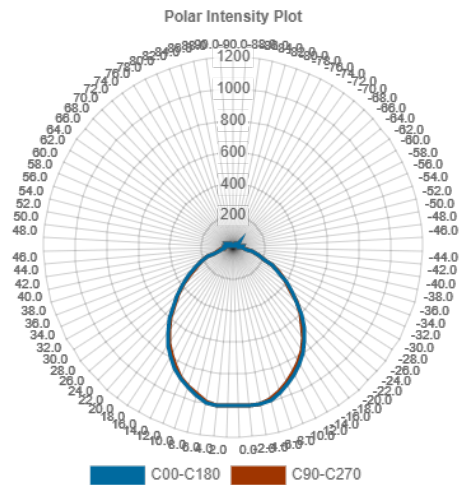
LLC22V with LED ENGIN LZ4 04MDPB

Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
49.6		79.1		1.0	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories									
LLH01BBC00	LLH01BBC02	LLH01BBA00	LLH01BBA02	LLH01AAC00	LLH01AAC02	LLH01AAA00	LLH01AAA02	LLH01BBC021	LLH01BBC022



LDT file



IES file



2D Schematics



3D Schematics

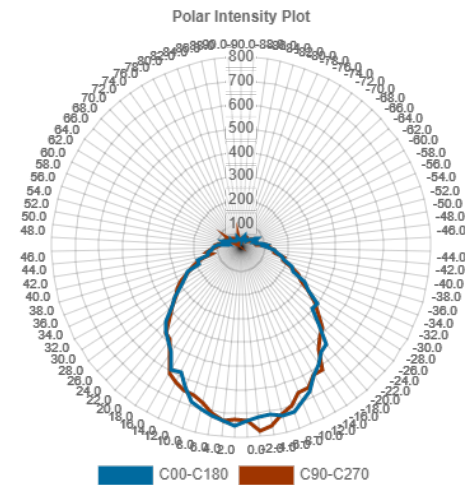
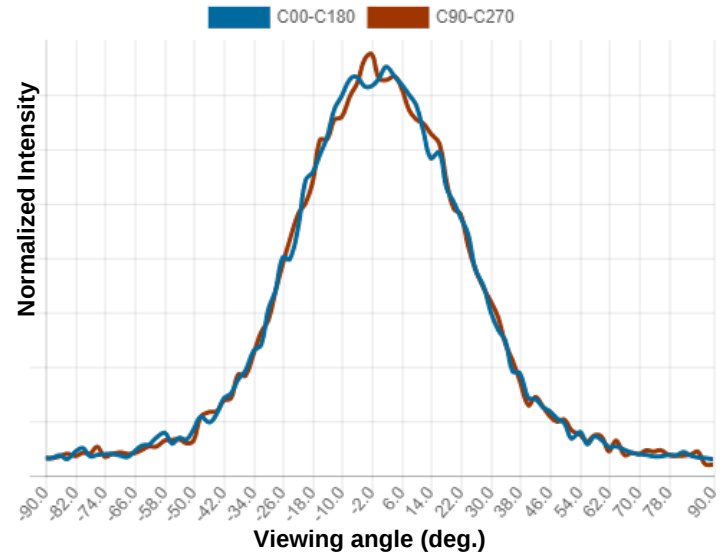
LLC22V with LUMILEDS LUXEON_CX_PLUS_CoB_HDS01H04

Simulated results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
49.7		92.7		0.8	



A length	B height	C foot
	8.2(mm)	16.0(mm)



LDT file



IES file



2D Schematics



3D Schematics

LLC22V with LUMILEDS LUXEON Z CLUSTER x4 RGBW

Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
49.9		78.3		0.9	



Normalized Intensity

A length	B height	C foot
	8.2(mm)	16.0(mm)

Viewing angle (deg.)

Accessories								
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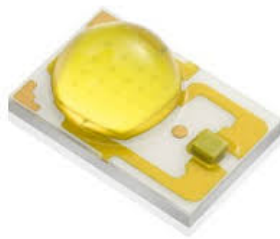
2D Schematics

3D Schematics

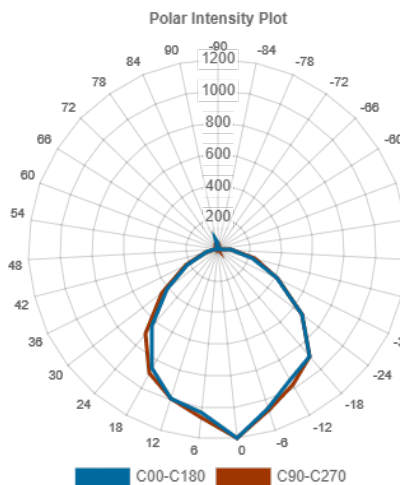
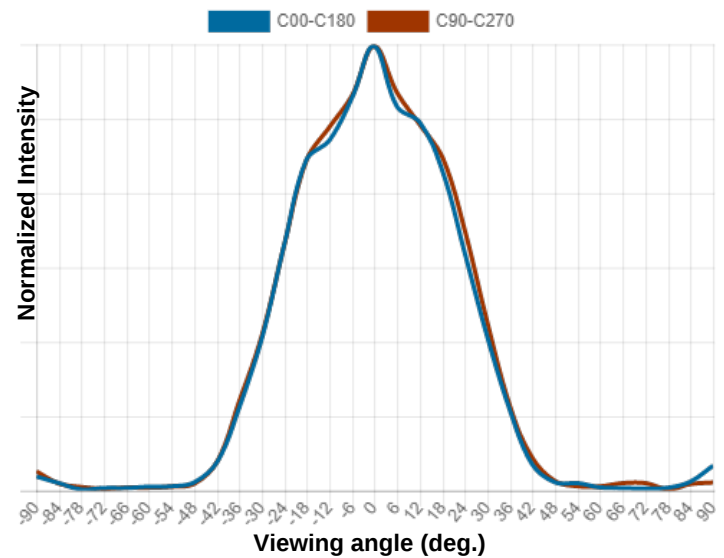
LLC22V with LUMILEDS REBEL ES

Simulated results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
51.4		79.5		1.2	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics

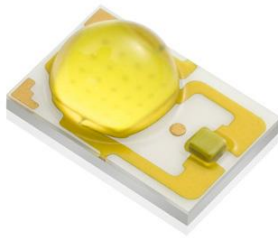


3D Schematics

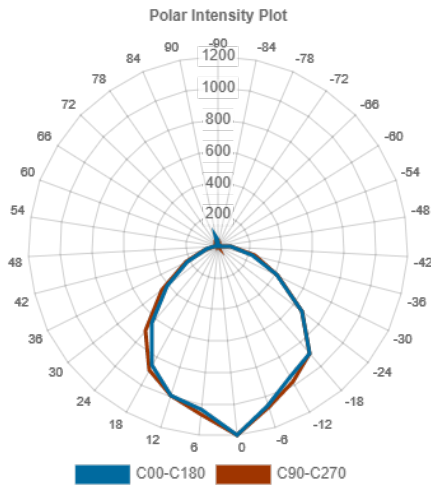
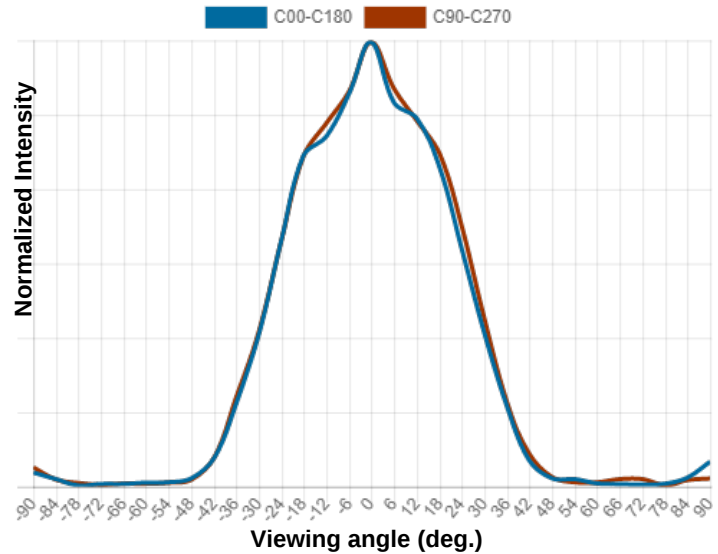
LLC22V with LUMILEDS REBEL

Simulated results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
52.6		77.5		1.2	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics



3D Schematics

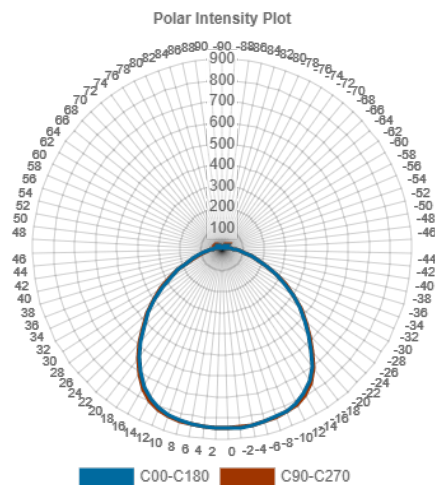
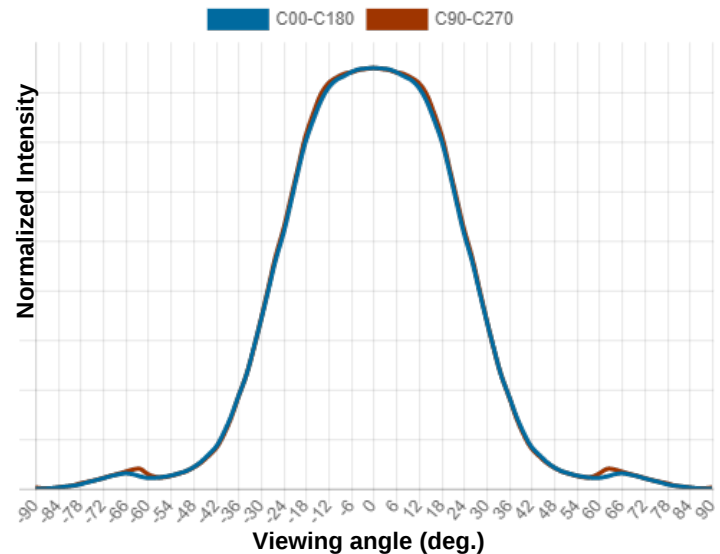
LLC22V with LUMILEDS LUXEON Z CLUSTER x4 TUNABLE WHITE

Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
54.4		83.8		0.8	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021



LDT file



IES file



2D Schematics



3D Schematics

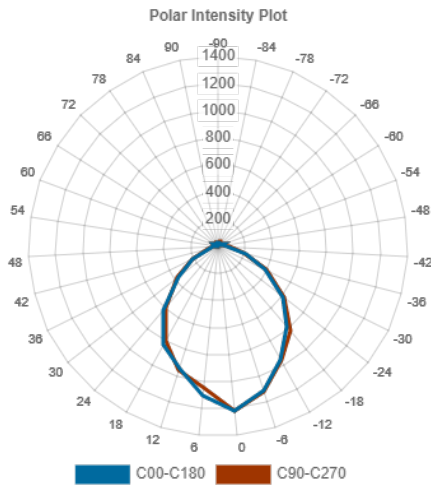
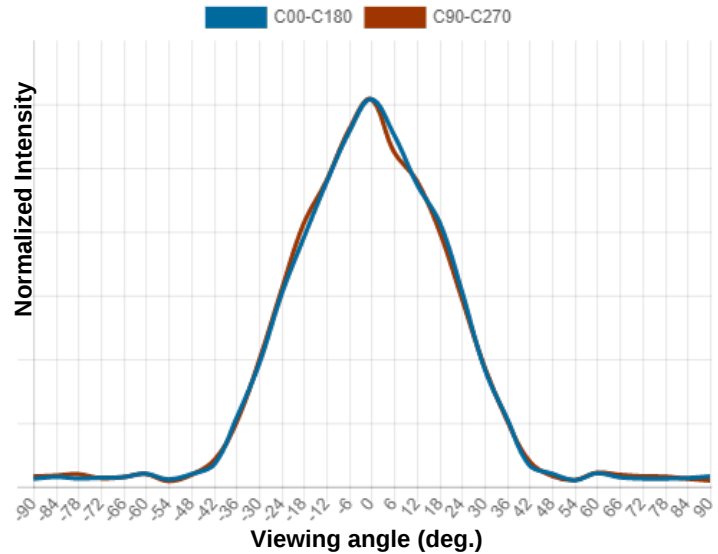
LLC22V with LUMINUS CXM_3

Simulated results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
47.6		77.6		1.2	



A length	B height	C foot
	8.2(mm)	16.0(mm)



LDT file



IES file



2D Schematics



3D Schematics

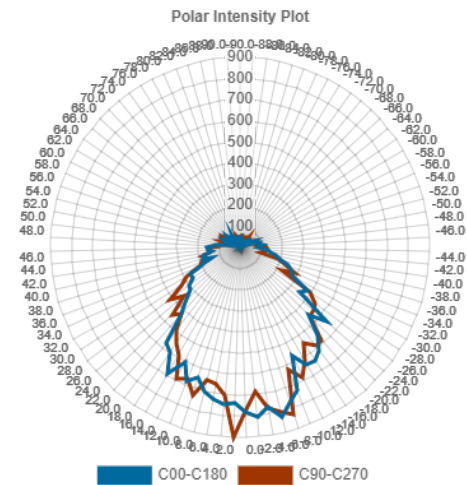
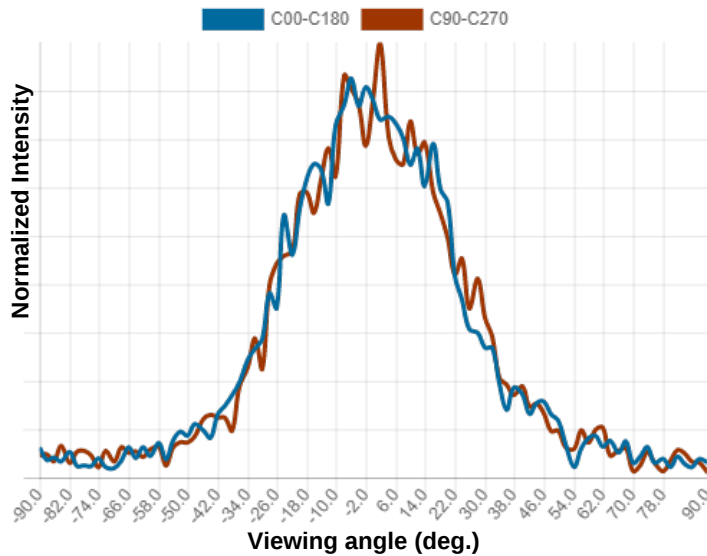
LLC22V with LUMINUS CXM_4

Simulated results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
49.6		89.3		0.8	



A length	B height	C foot
	8.2(mm)	16.0(mm)



LDT file



IES file



2D Schematics

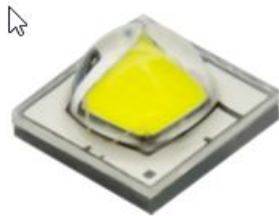


3D Schematics

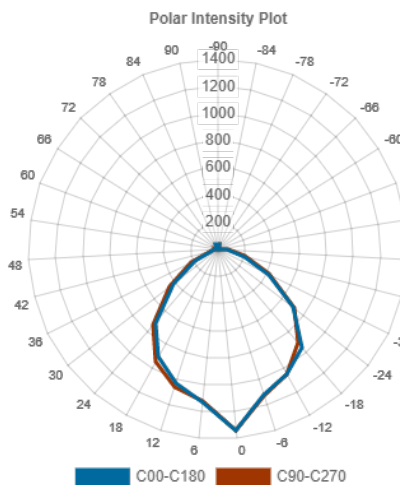
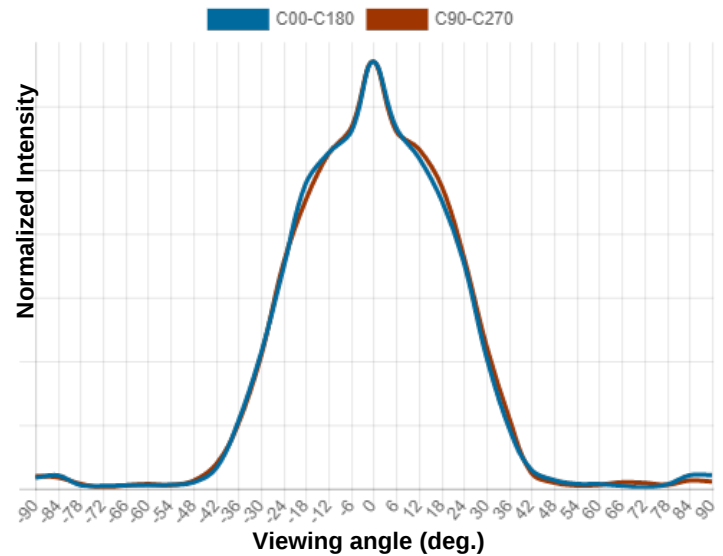
LLC22V with LUMINUS SST_20_WxH

Simulated results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
49.8		76.8		1.3	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics

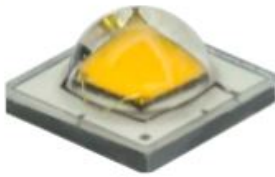


3D Schematics

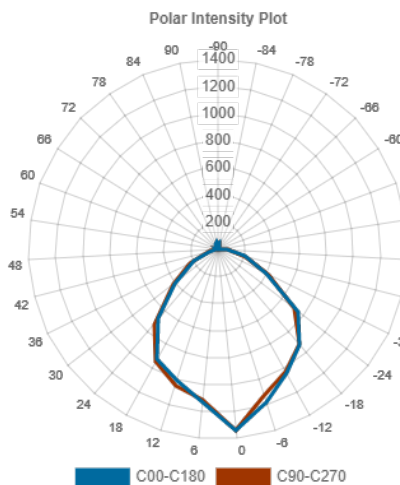
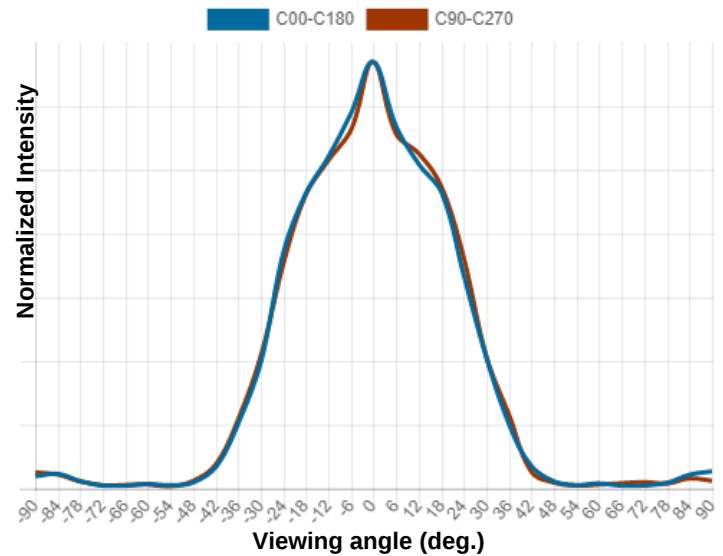
LLC22V with LUMINUS SST_20_WxS

Simulated results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
50.2		76.9		1.3	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics

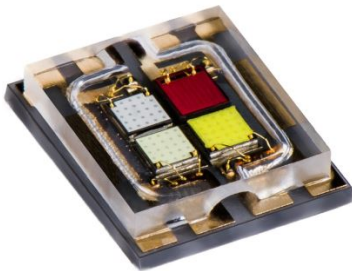


3D Schematics

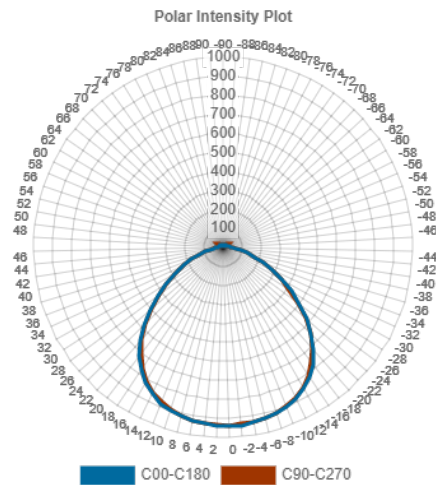
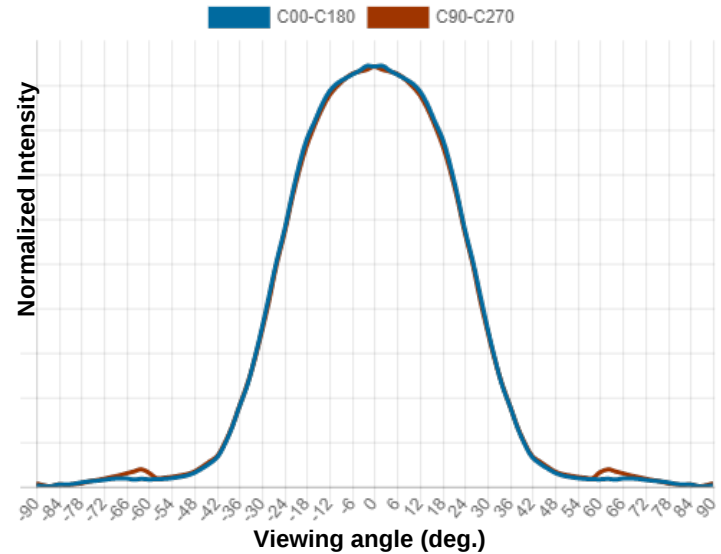
LLC22V with LUMINUS SBM_40_SC

Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
53.4		80.1		0.9	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021



LDT file



IES file



2D Schematics

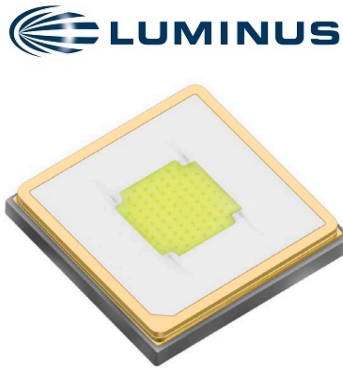


3D Schematics

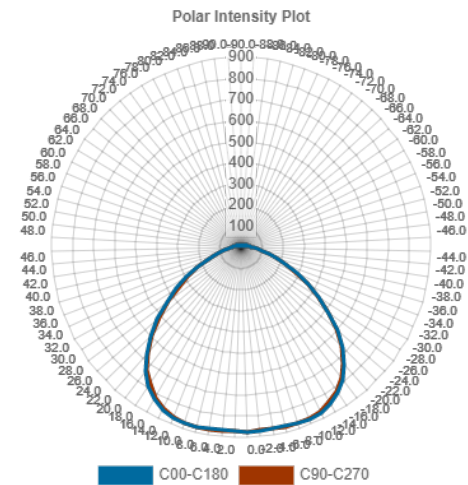
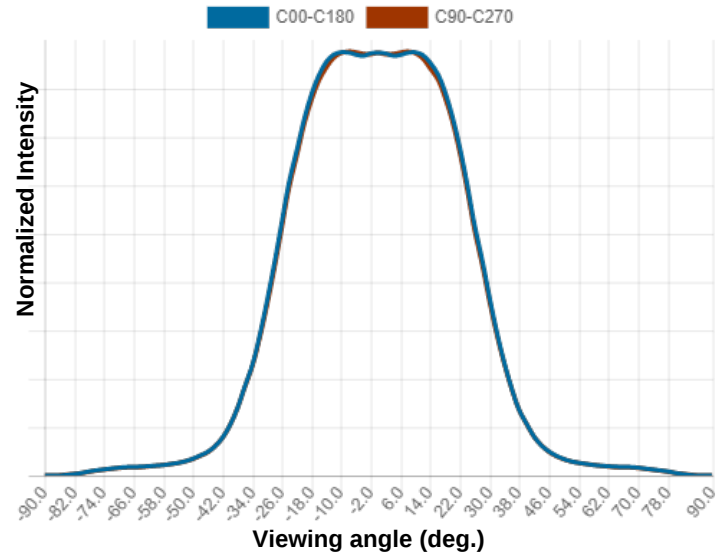
LLC22V with LUMINUS SFT-40

Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
55.8		82.4		0.9	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01P5200

LLH01P52001



LDT file



IES file



2D Schematics

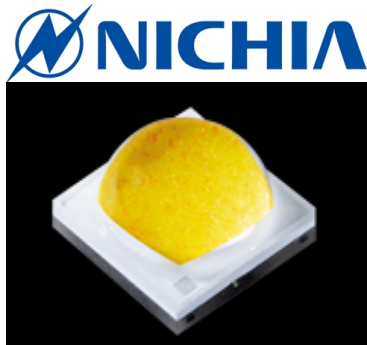


3D Schematics

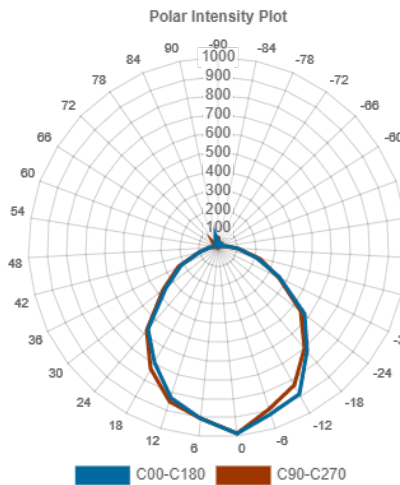
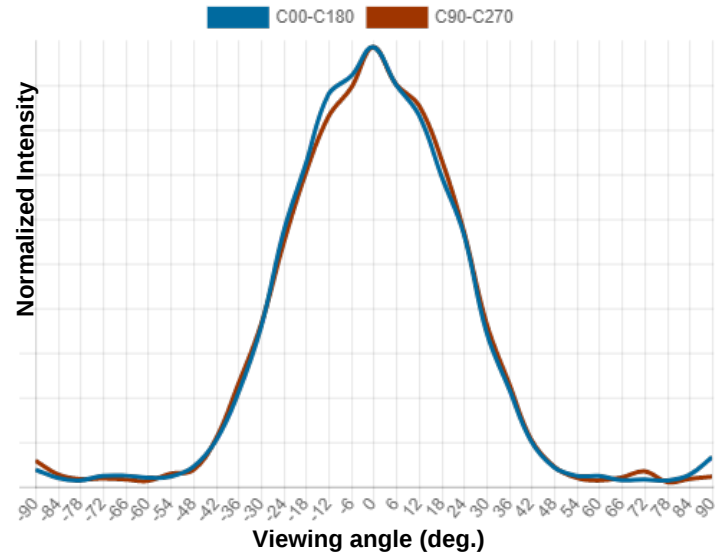
LLC22V with NICHIA NVSW519A

Simulated results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
51.7		83.5		1.0	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021



LDT file



IES file



2D Schematics

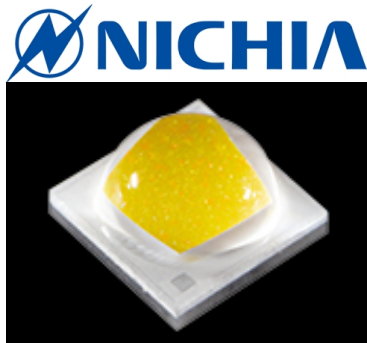


3D Schematics

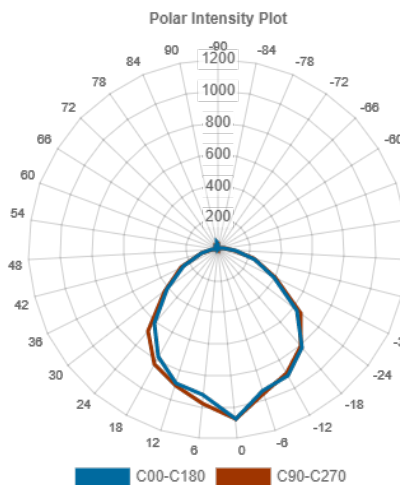
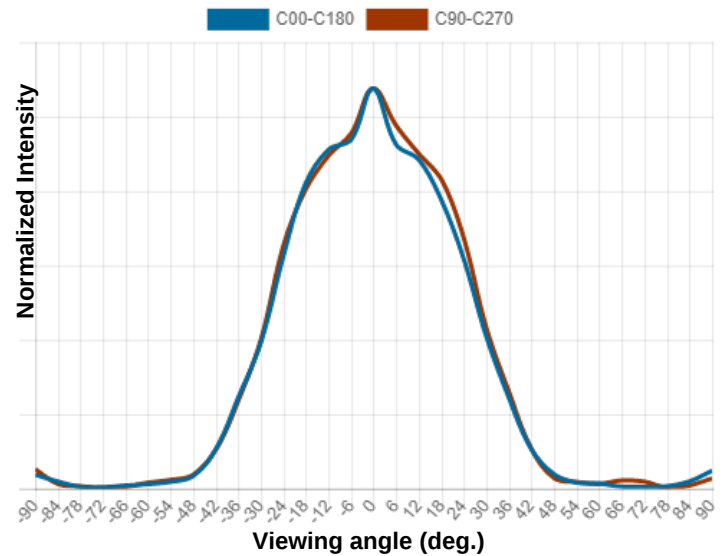
LLC22V with NICHIA NVSW219F_V1

Simulated results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
52.8		83.7		1.1	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021



LDT file



IES file



2D Schematics



3D Schematics

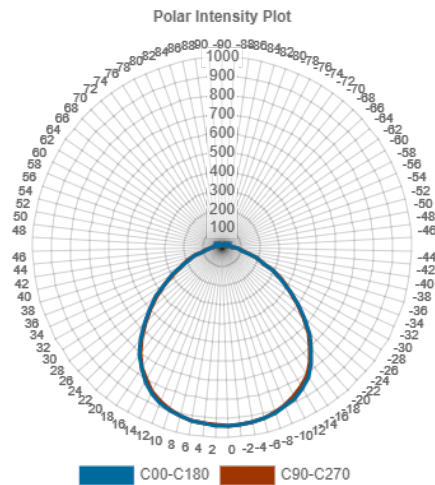
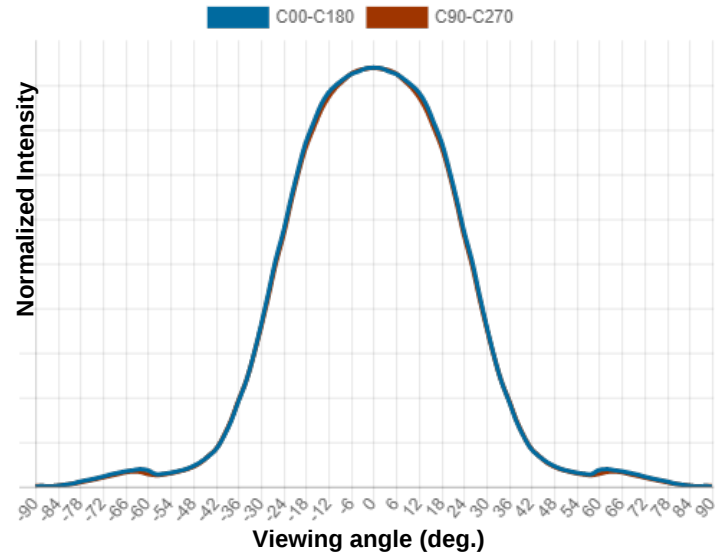
LLC22V with NICHIA NF2W757G_MT

Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
53.6		82.5		0.9	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics

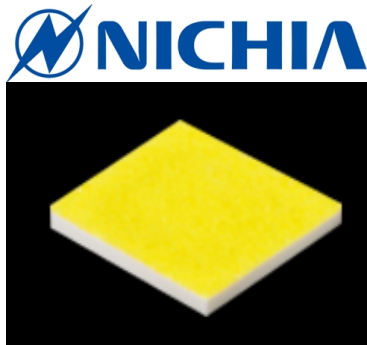


3D Schematics

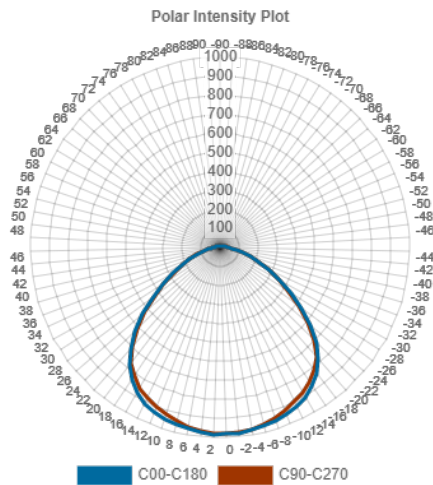
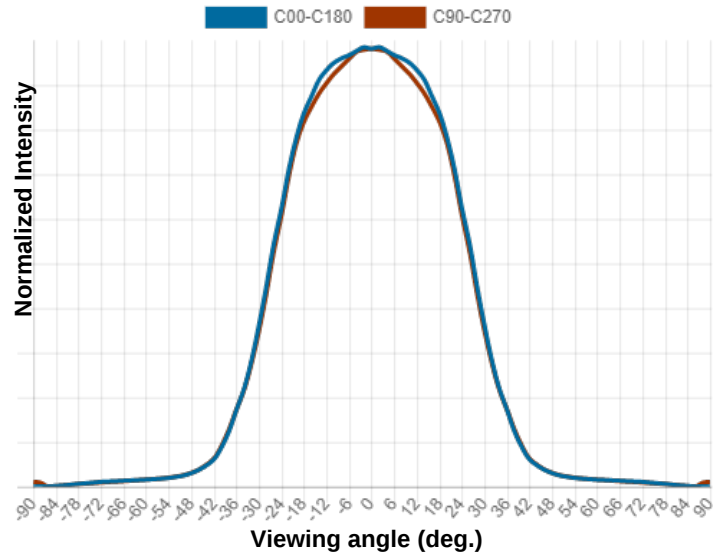
LLC22V with NICHIA NCSWE17AT

Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
53.6		78.9		1.0	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories			
LLH01BBD00	LLH01BBD02	LLH01AAD00	LLH01AAD02



LDT file



IES file



2D Schematics

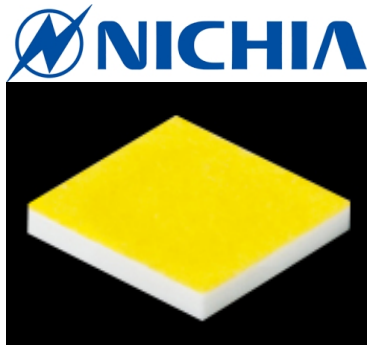


3D Schematics

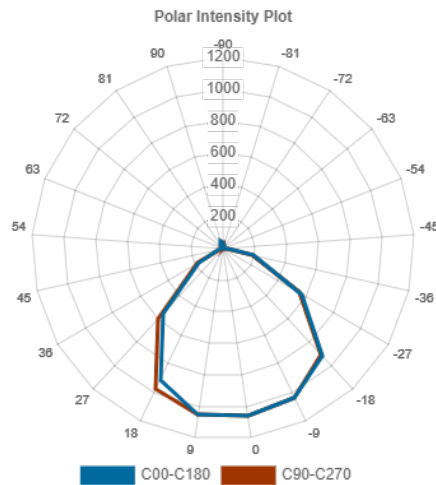
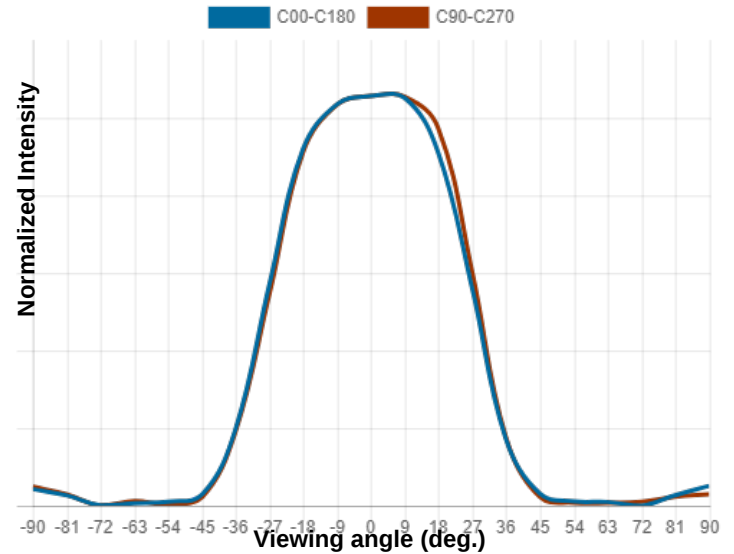
LLC22V with NICHIA NFSWE11A

Simulated results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
55.3		78.5		1.1	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories			
LLH01BBD00	LLH01BBD02	LLH01AAD00	LLH01AAD02



LDT file



IES file



2D Schematics

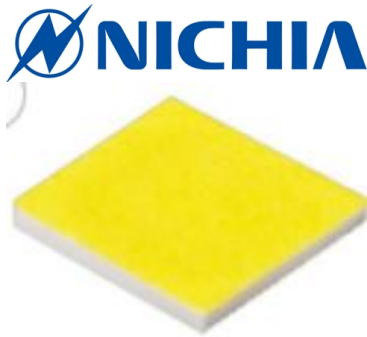


3D Schematics

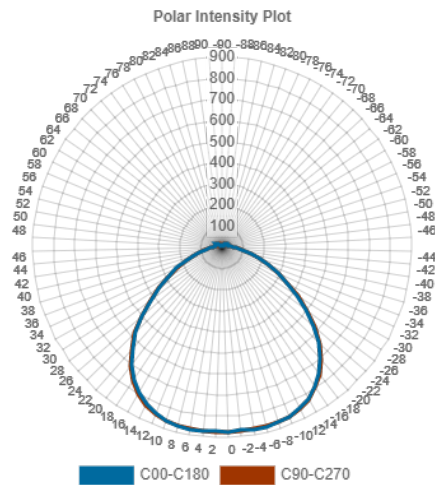
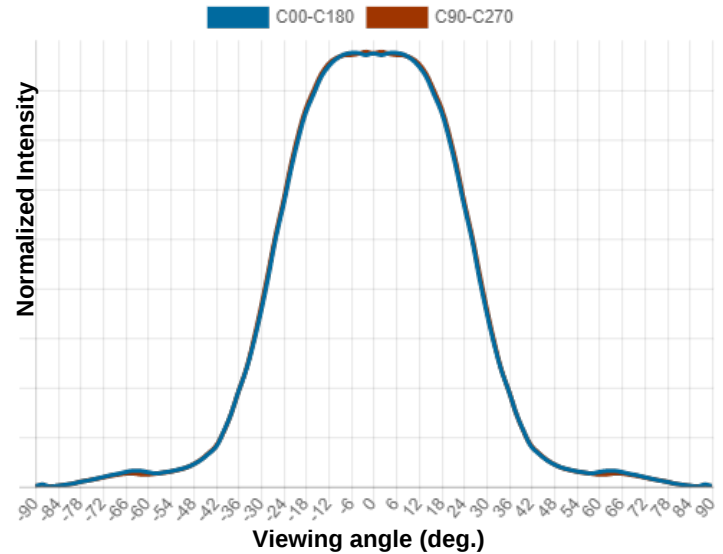
LLC22V with NICHIA NVSWE21AT

Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
55.3		83.1		0.9	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01AAD02	LLH01AAD021	LLH01AAD00	LLH01AAD001	LLH01BBD02	LLH01BBD021	LLH01BBD00	LLH01BBD001
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LDT file



IES file



2D Schematics



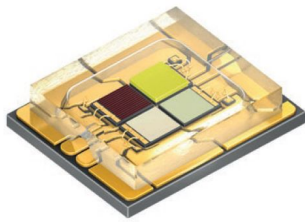
3D Schematics

LLC22V with OSRAM OSTAR STAGE LE RTDUW S2WN

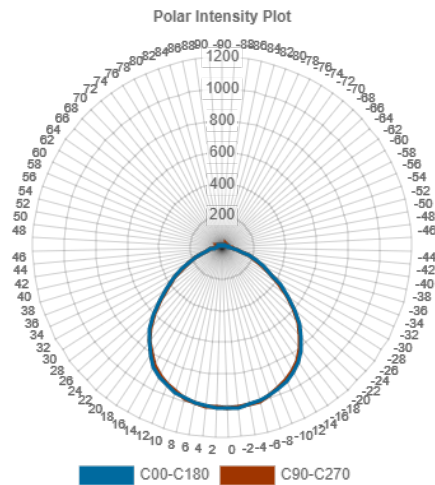
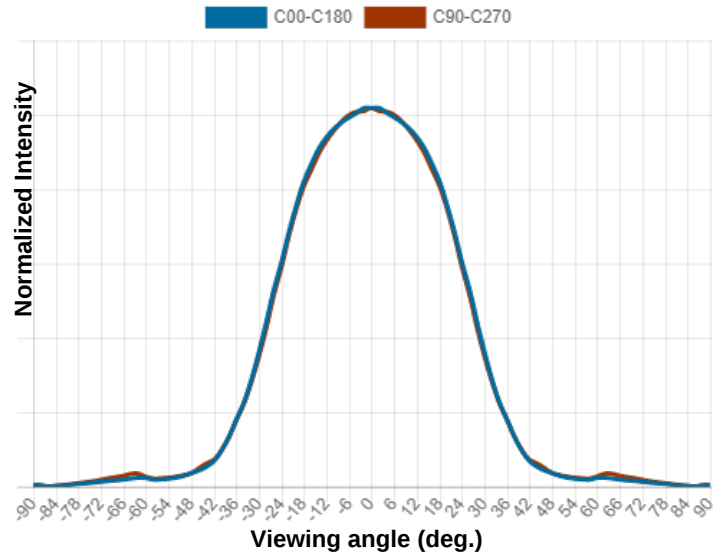
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
52.3		79.4		1.0	

OSRAM
Opto Semiconductors



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics



3D Schematics

LLC22V with OSRAM OSCONIQ P3737 GW PUSTA1.PM

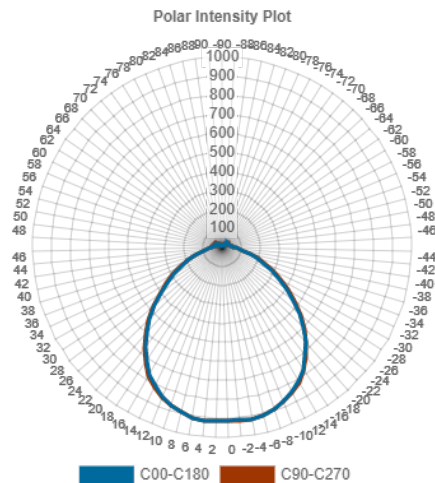
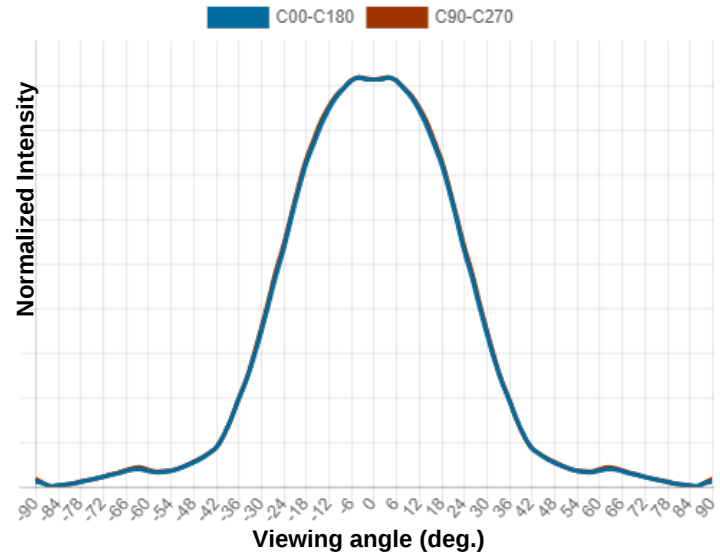
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
52.8		83.2		0.9	

OSRAM
Opto Semiconductors



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics



3D Schematics

LLC22V with OSRAM OSCONIQ C 2424 GW PLLRA1.EM

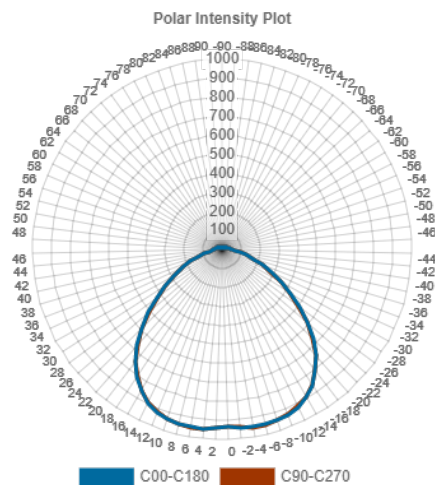
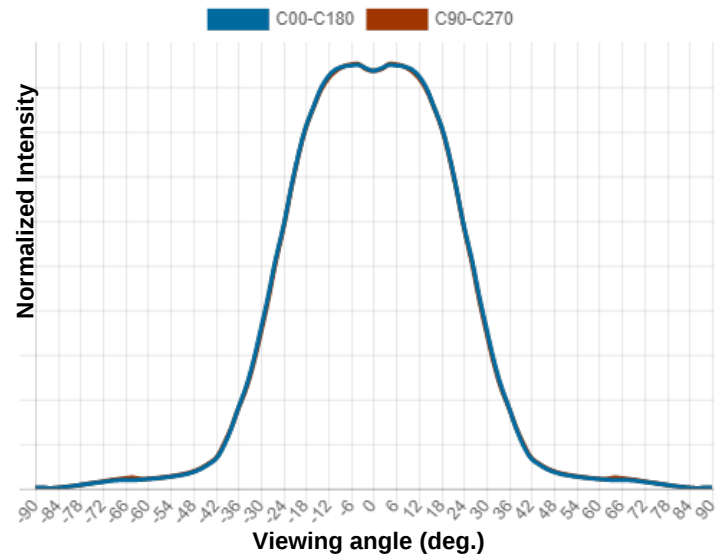
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
53.5		80.1		1.0	

OSRAM
Opto Semiconductors



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics



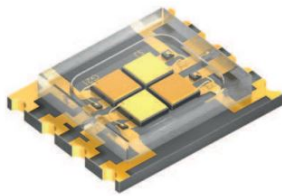
3D Schematics

LLC22V with OSRAM OSTAR STAGE LE CWUW S2W

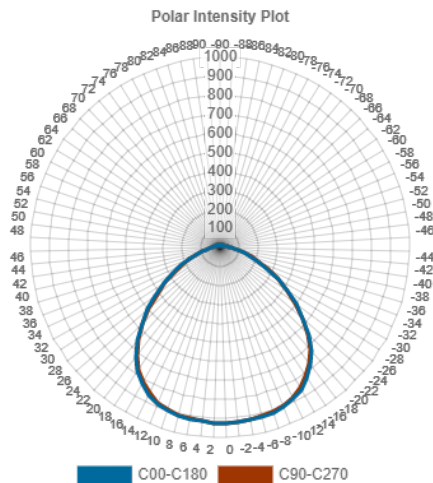
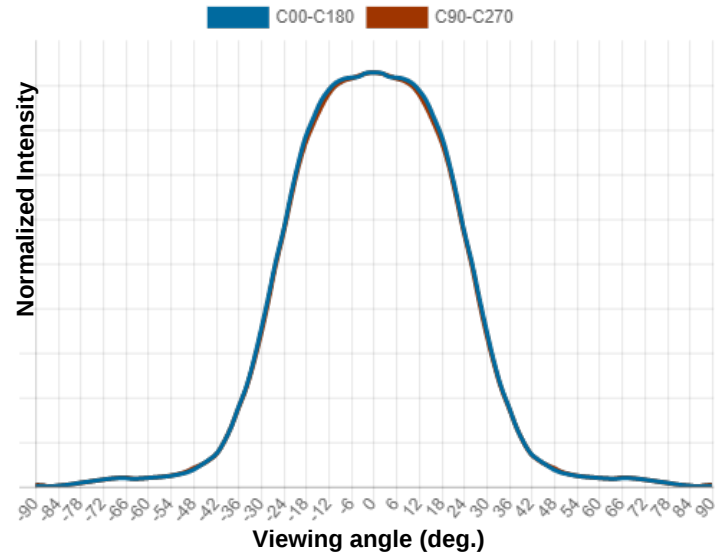
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
53.6		80.7		0.9	

OSRAM
Opto Semiconductors



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics

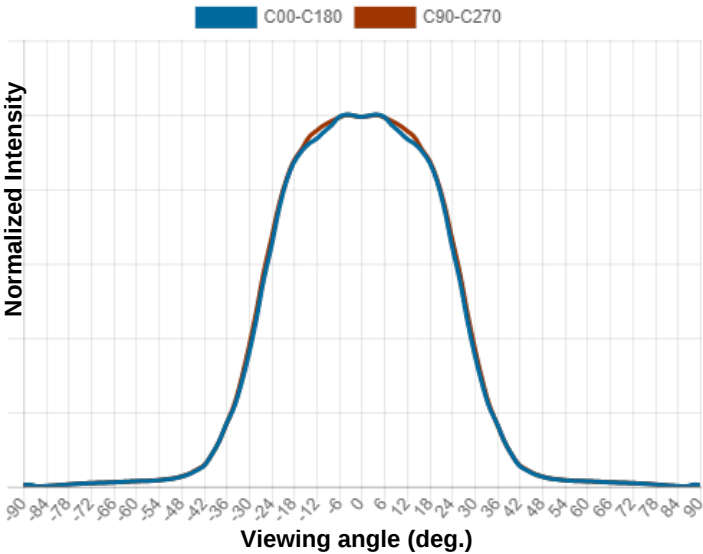


3D Schematics

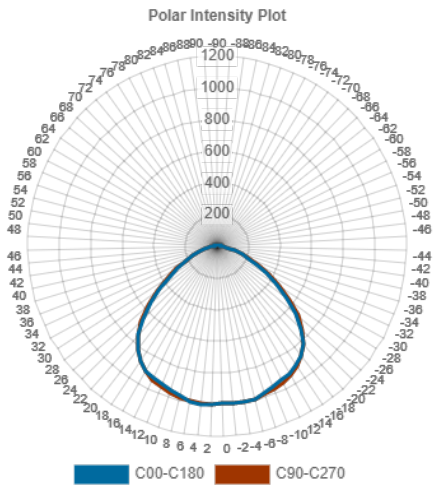
LLC22V with OSRAM OSLOM COMPACT CL LUW CEUP

Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
54.2		78.0		1.0	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories									
LLH01BBC00	LLH01BBC02	LLH01BBA00	LLH01BBA02	LLH01AAC00	LLH01AAC02	LLH01AAA00	LLH01AAA02	LLH01BBC021	LLH01BBC022



LDT file



IES file



2D Schematics



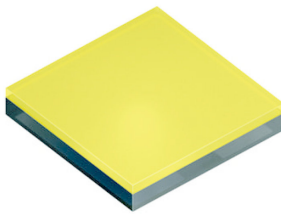
3D Schematics

LLC22V with OSRAM OSOLON PURE 1010 GW VJLPE1 EM

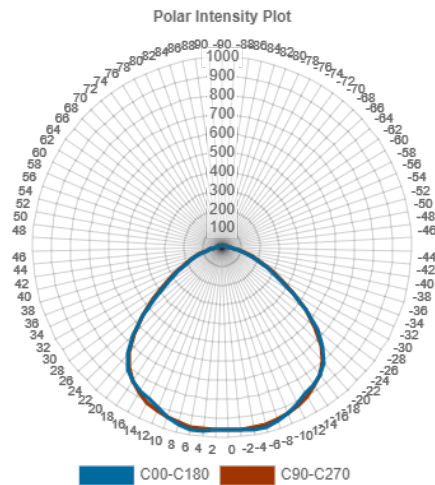
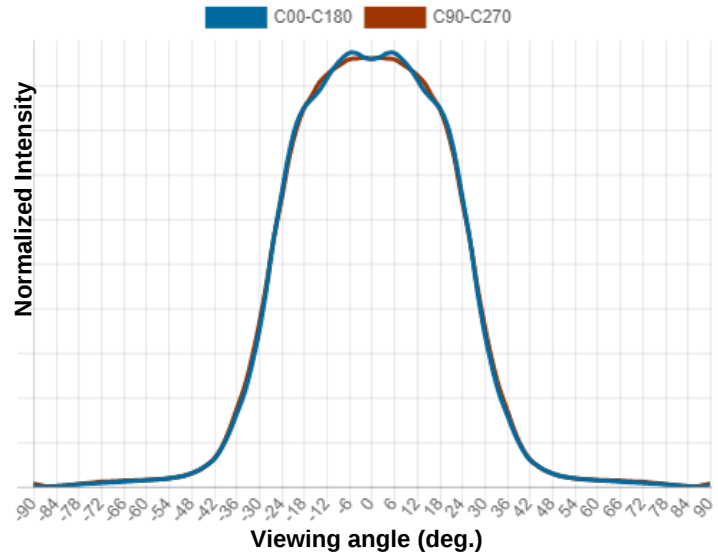
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
54.4		78.6		1.0	

OSRAM
Opto Semiconductors



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBD00

LLH01BBD02

LLH01AAD00

LLH01AAD02



LDT file



IES file



2D Schematics



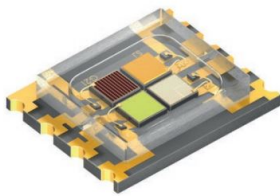
3D Schematics

LLC22V with OSRAM OSTAR STAGE LE RTDUW S2W

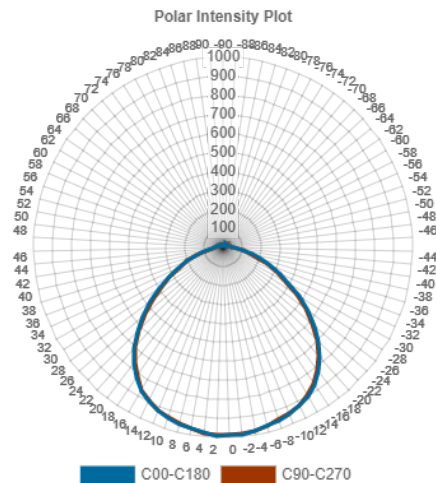
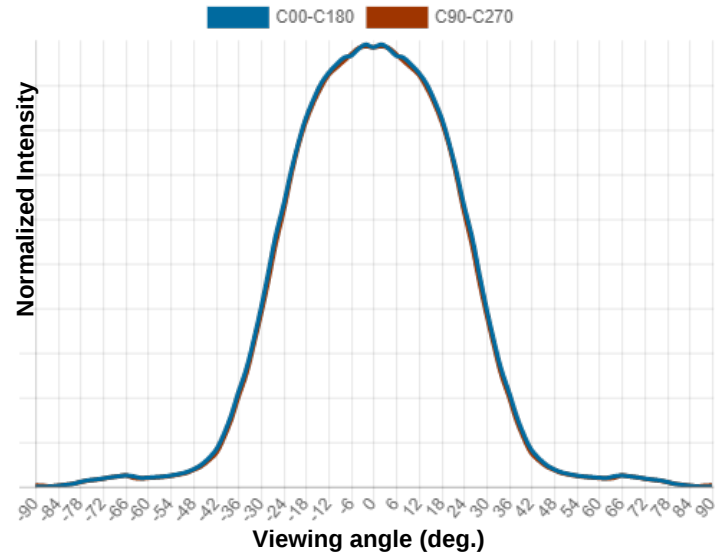
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
54.5		81.4		1.0	

OSRAM
Opto Semiconductors



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics



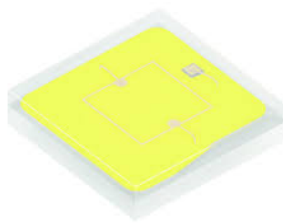
3D Schematics

LLC22V with OSRAM OSLOM SQUARE FLAT KW CSLPM2.PC

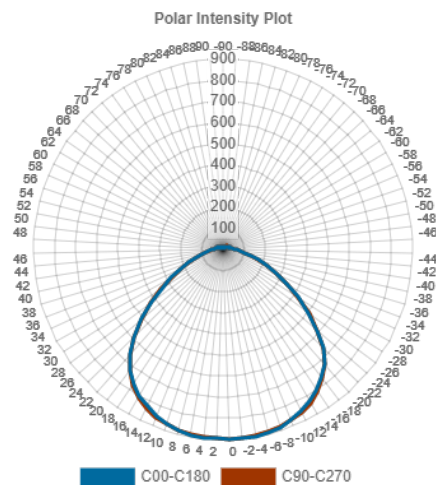
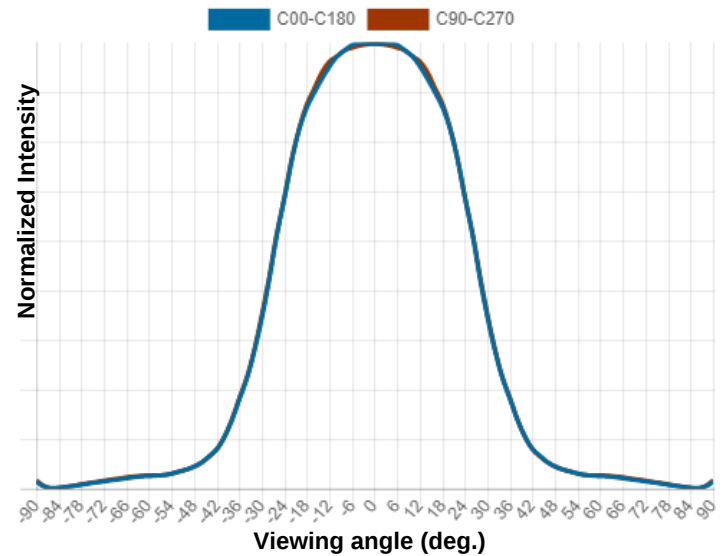
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
54.7		82.2		0.9	

OSRAM
Opto Semiconductors



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics



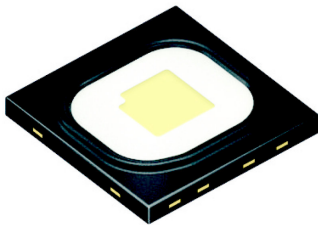
3D Schematics

LLC22V with OSRAM OSOLON BLACK FLAT LUW HWQP

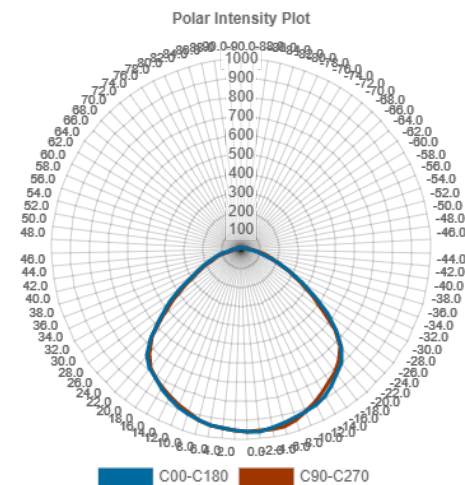
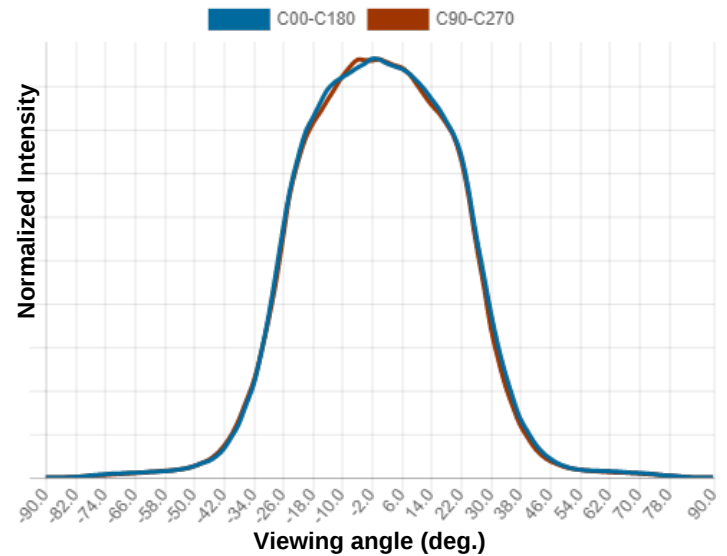
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
54.9		79.8		1.0	

OSRAM
Opto Semiconductors



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics



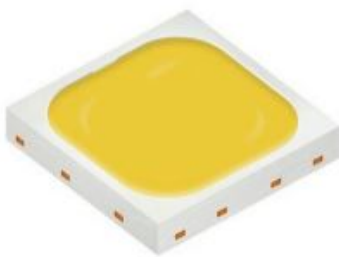
3D Schematics

LLC22V with OSRAM OSCONIQ P3737 GW PULTA1.CM

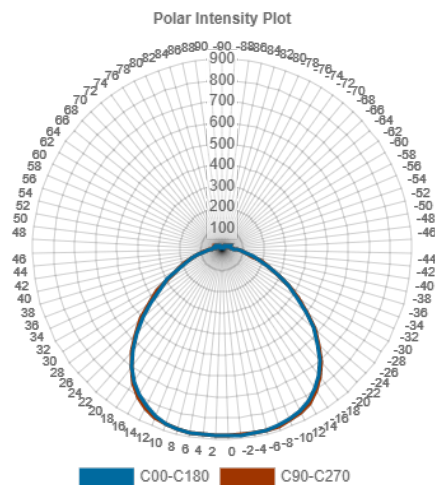
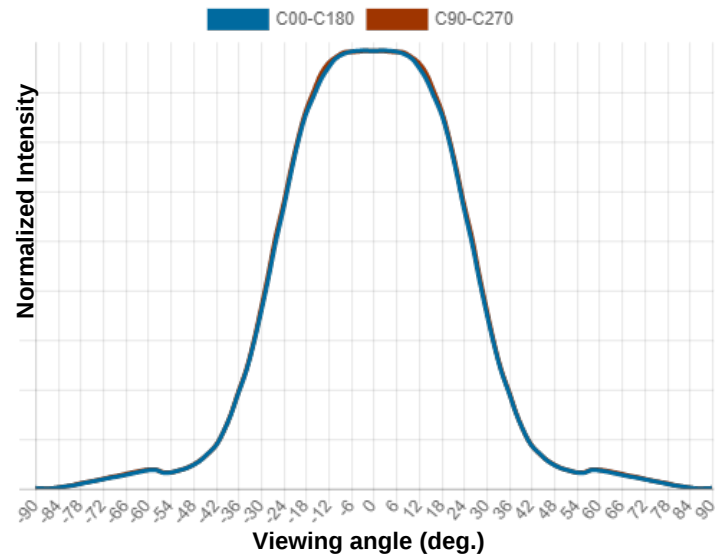
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
55.1		84.0		0.9	

OSRAM
Opto Semiconductors



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics



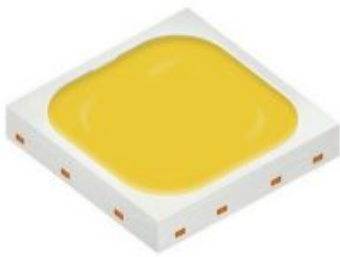
3D Schematics

LLC22V with OSRAM OSCONIQ P 3737 GW PULTA1.CM

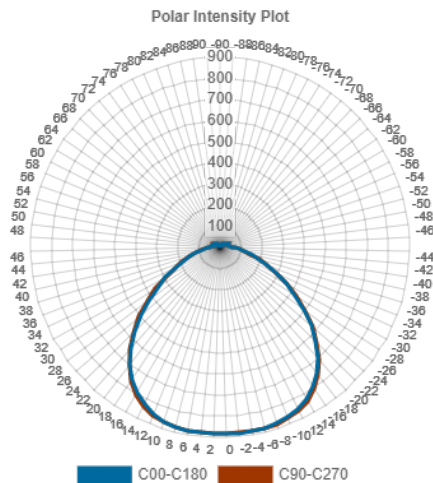
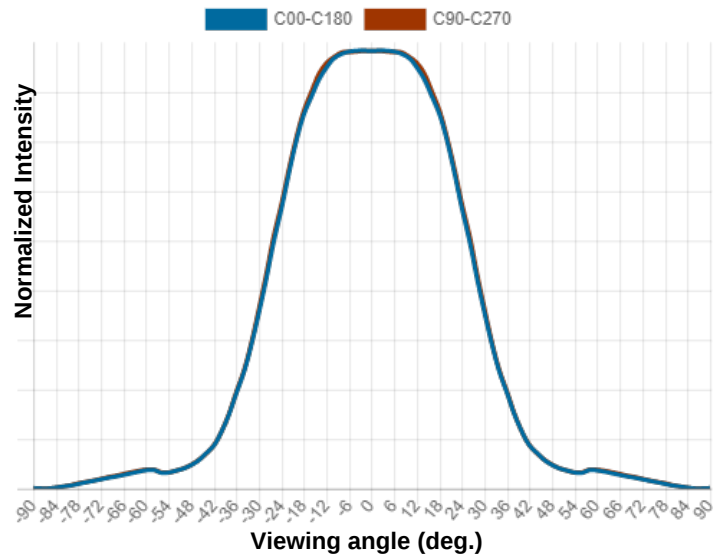
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
55.1		84.0		0.9	

OSRAM
Opto Semiconductors



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01AAC02 LLH01AAC00 LLH01AAC001 LLH03XRR02 LLH03XRR01 LLH04XRR02 LLH04XRR01



LDT file



IES file



2D Schematics



3D Schematics

LLC22V with OSRAM OSCONIQ P3737 GW PUSRA1.EM

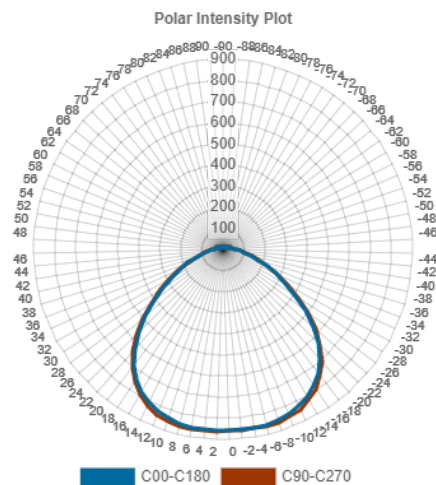
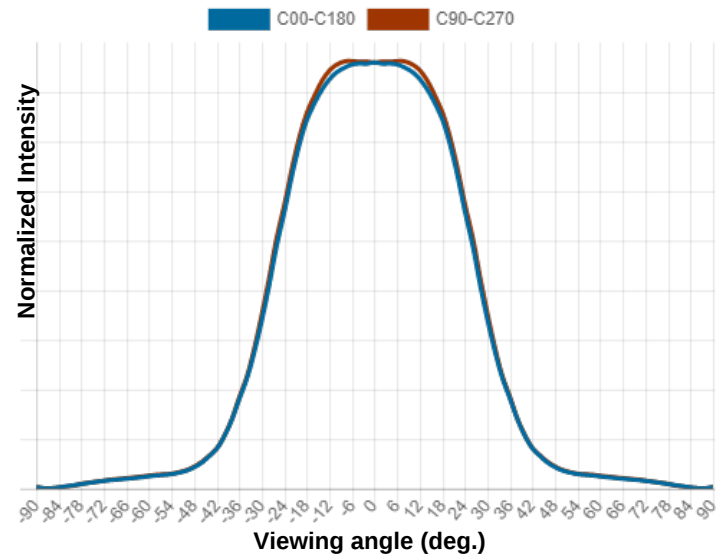
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
55.2		83.3		0.9	

OSRAM
Opto Semiconductors



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics



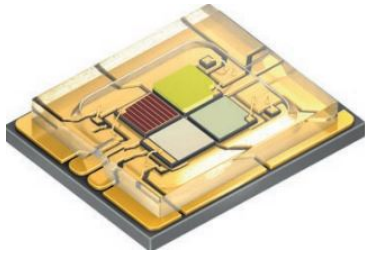
3D Schematics

LLC22V with OSRAM OSTAR STAGE LE RTDUW S2WM

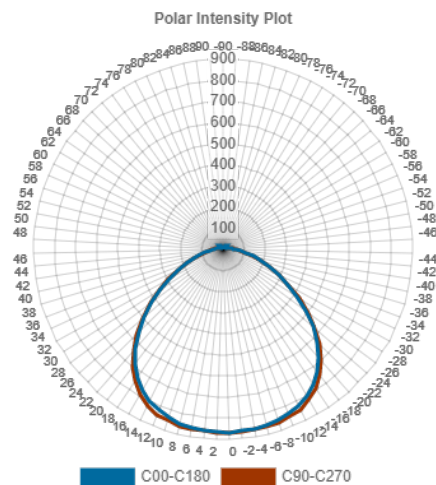
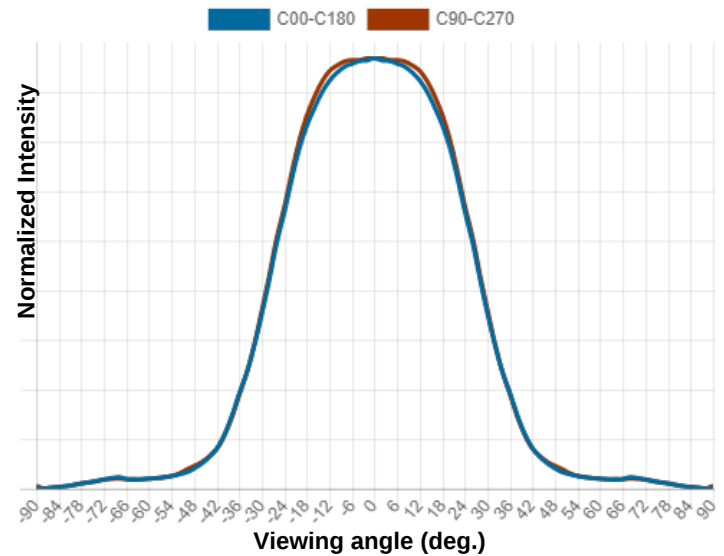
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
55.4		83.2		0.9	

OSRAM
Opto Semiconductors



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics



3D Schematics

LLC22V with OSRAM OSLO Boost HX KW CULPM1.TG

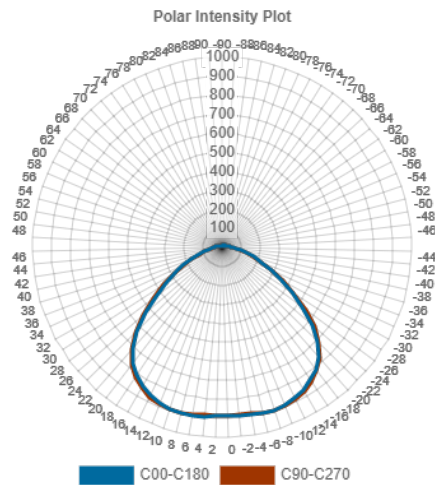
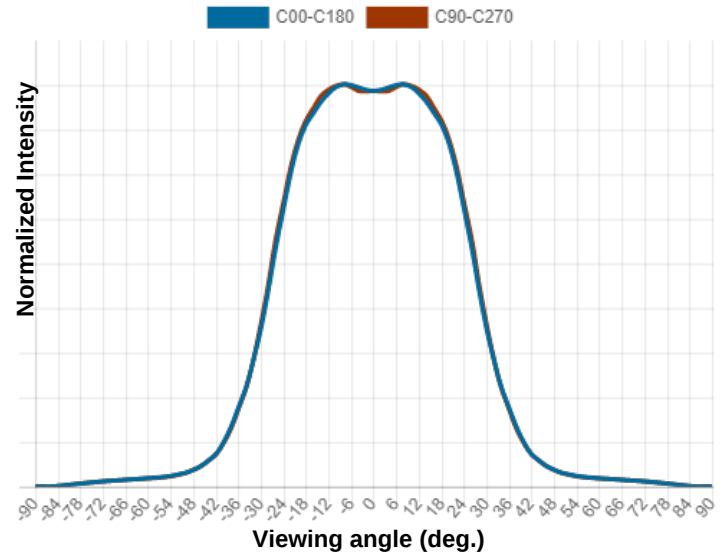
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
55.7		81.2		0.9	

OSRAM
Opto Semiconductors



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics



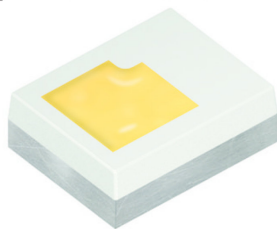
3D Schematics

LLC22V with OSRAM OSLON COMPACT CM LUW CEUN.CE

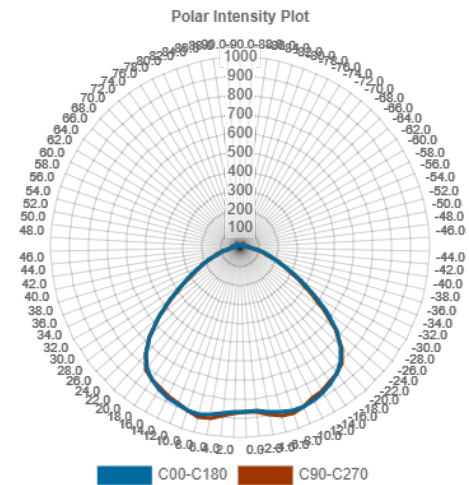
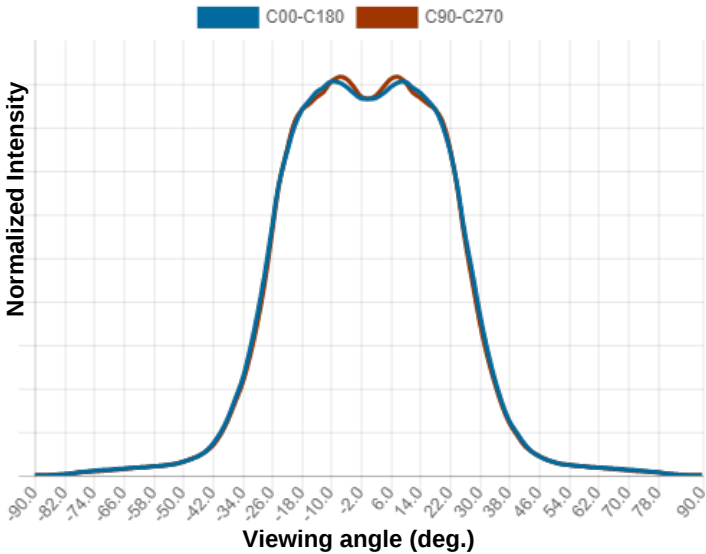
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
55.8		80.4		0.9	

OSRAM
Opto Semiconductors



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics



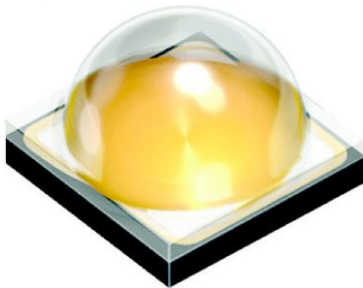
3D Schematics

LLC22V with OSRAM OSOLON SQUARE GW CSSRM3.PM

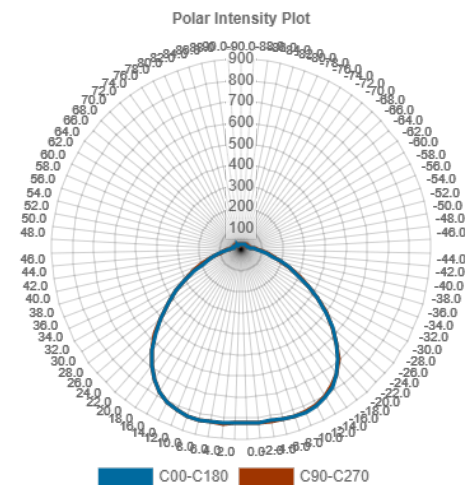
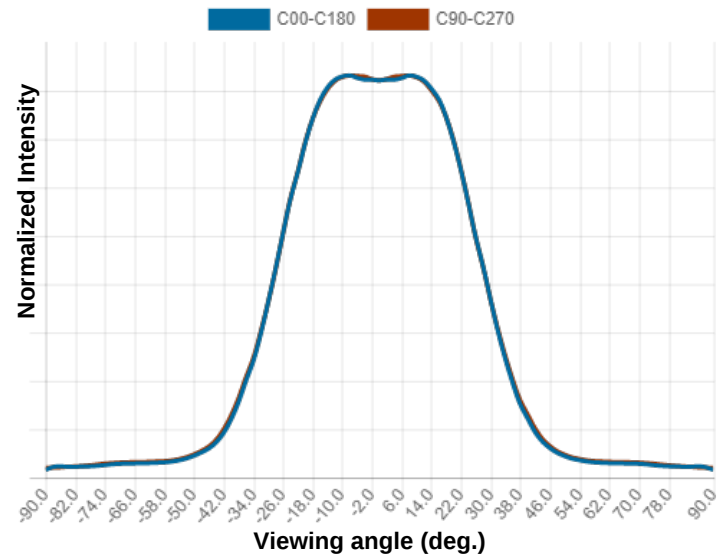
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
56.3		83.5		0.8	

OSRAM
Opto Semiconductors



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics



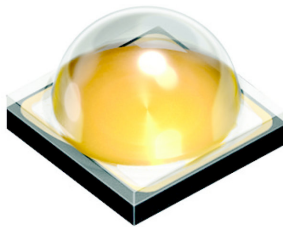
3D Schematics

LLC22V with OSRAM OSLO SQUARE GW CSSRM2.PM

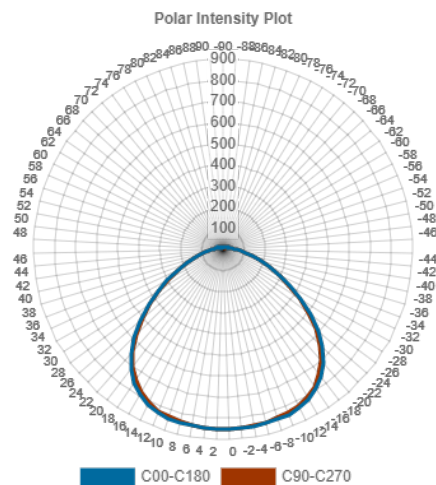
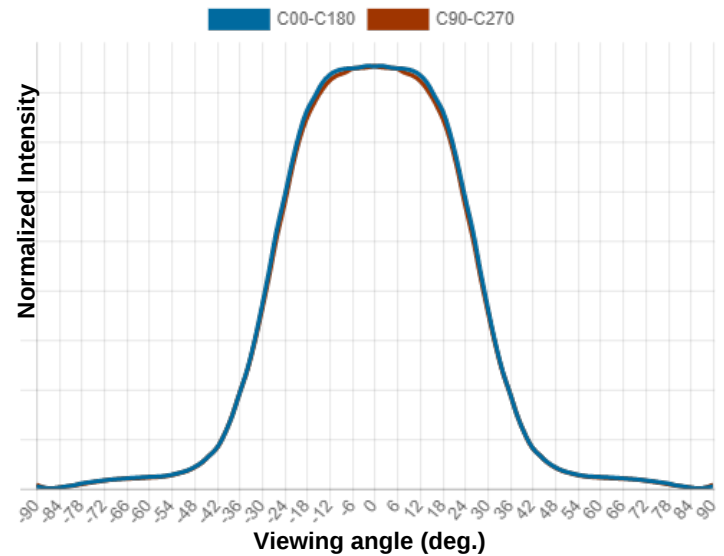
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
56.4		83.6		0.9	

OSRAM
Opto Semiconductors



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics



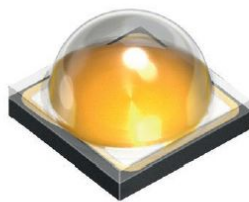
3D Schematics

LLC22V with OSRAM OSOLON SQUARE GW CSSRMU.CM

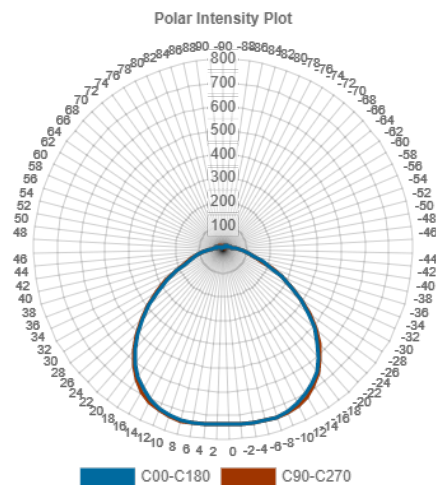
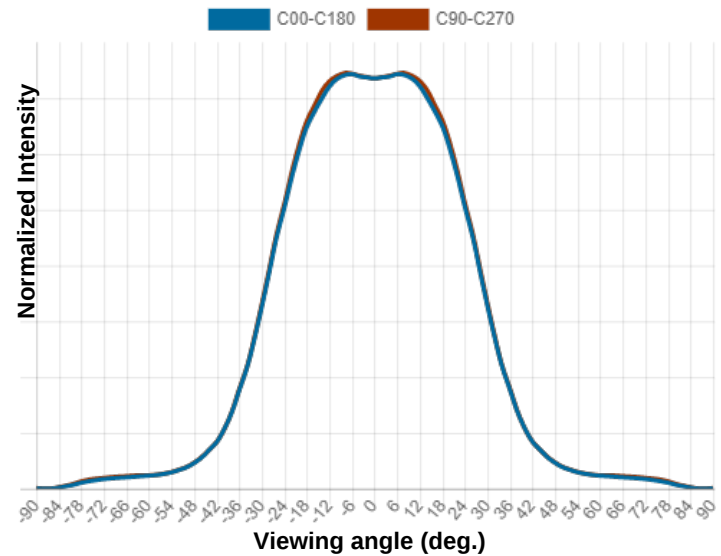
Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
57.1		86.4		0.7	

OSRAM
Opto Semiconductors



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

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LDT file



IES file



2D Schematics

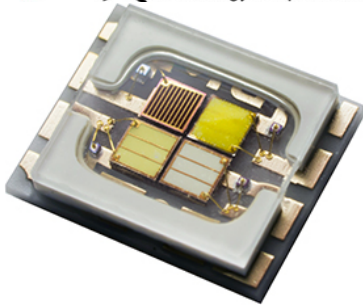


3D Schematics

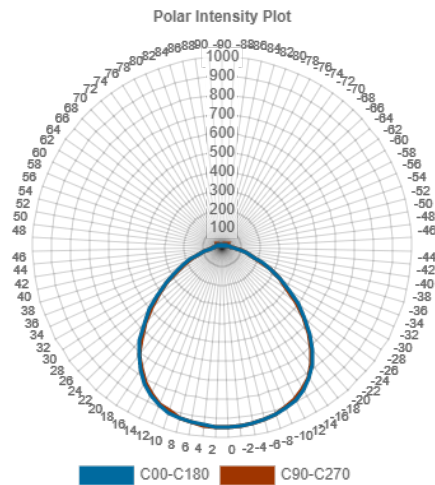
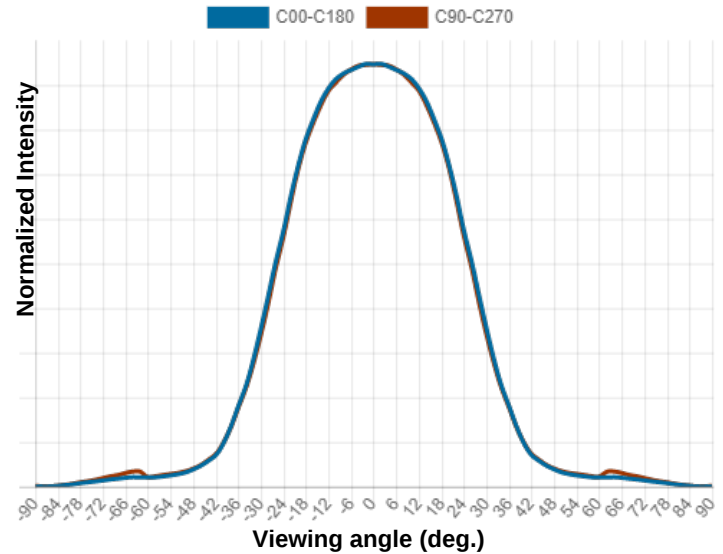
LLC22V with PROLIGHT OPTO PBEE_40FTE

Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
53.0		80.4		0.9	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics



3D Schematics

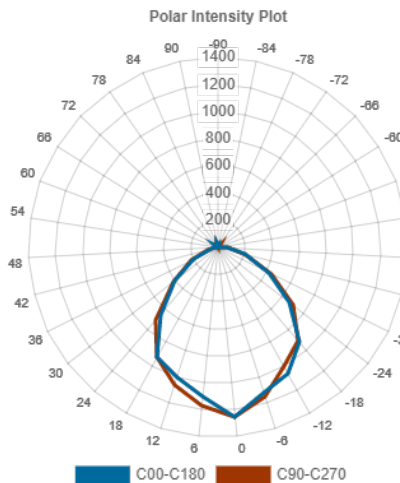
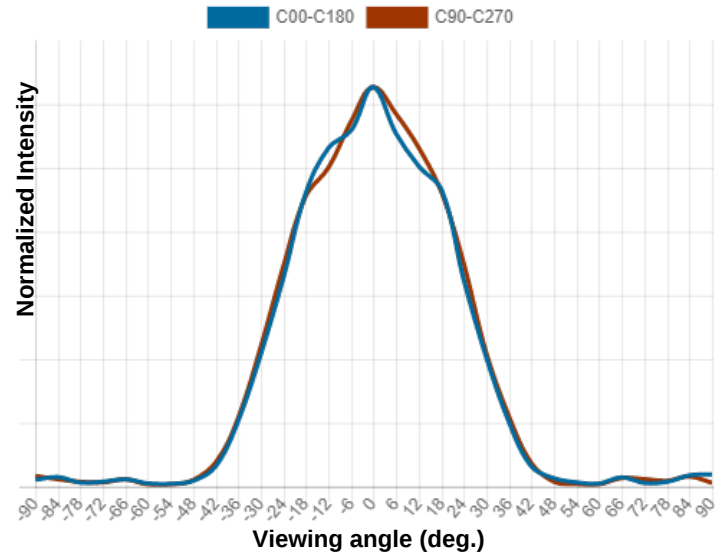
LLC22V with SEOUL STW8C12C_E0

Simulated results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
50.3		78.1		1.3	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics



3D Schematics

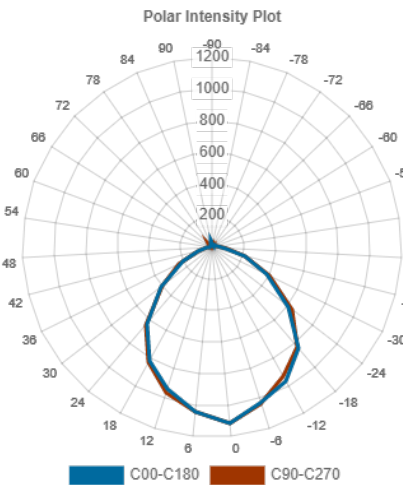
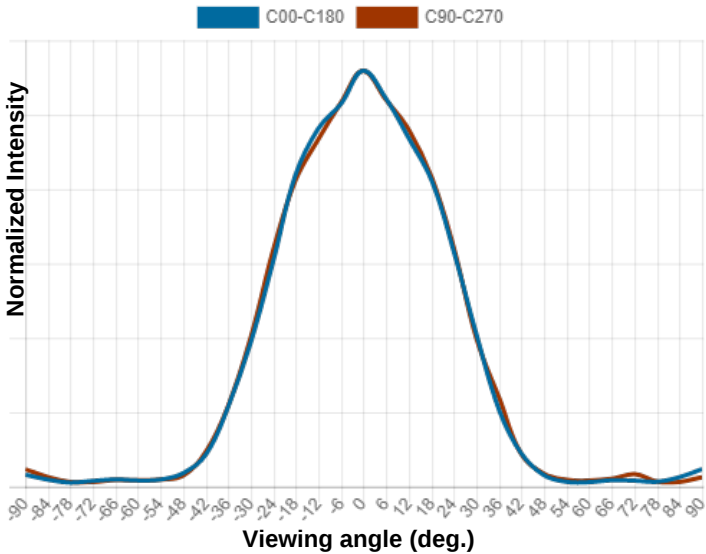
LLC22V with SEOUL Z5M4

Simulated results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
51.7		80.0		1.1	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories								
LLH01BBC00	LLH01BBC02	LLH01BBA00	LLH01BBA02	LLH01AAC00	LLH01AAC02	LLH01AAA00	LLH01AAA02	LLH01BBC021



LDT file



IES file



2D Schematics

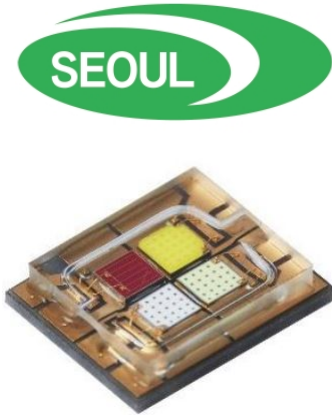


3D Schematics

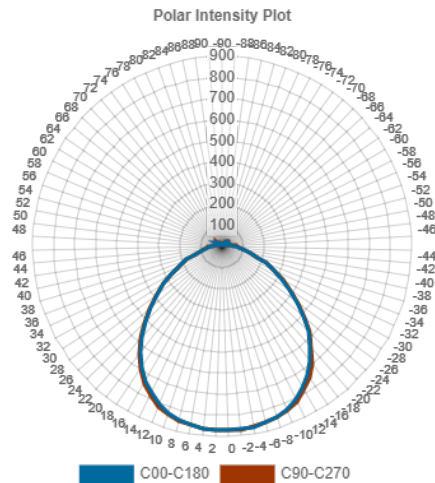
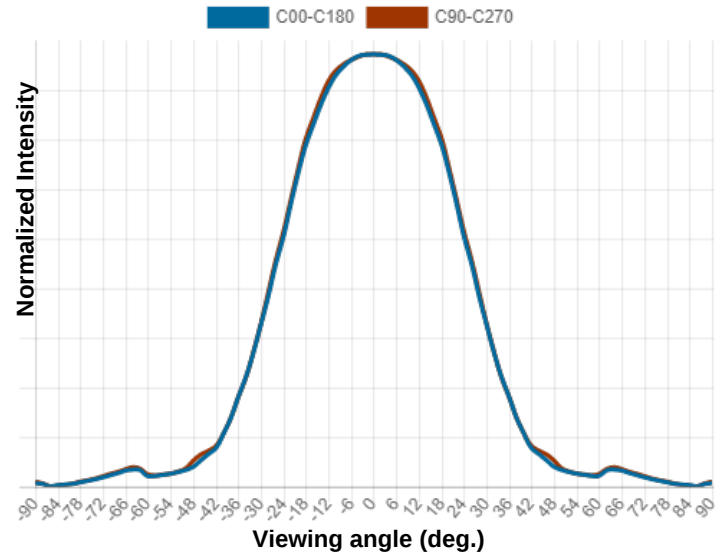
LLC22V with SEOUL SPF05F0B

Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
52.7		82.8		0.9	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

LLH01BBC00 LLH01BBC02 LLH01BBA00 LLH01BBA02 LLH01AAC00 LLH01AAC02 LLH01AAA00 LLH01AAA02 LLH01BBC021 LLH01BBC022



LDT file



IES file



2D Schematics

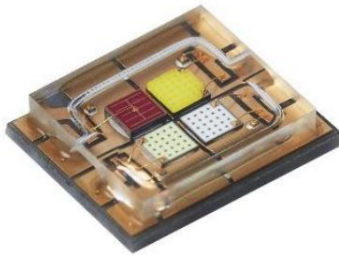


3D Schematics

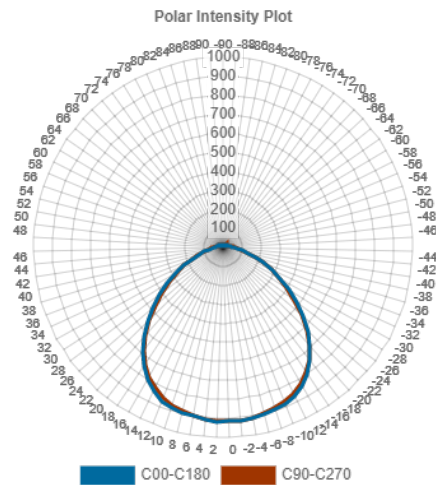
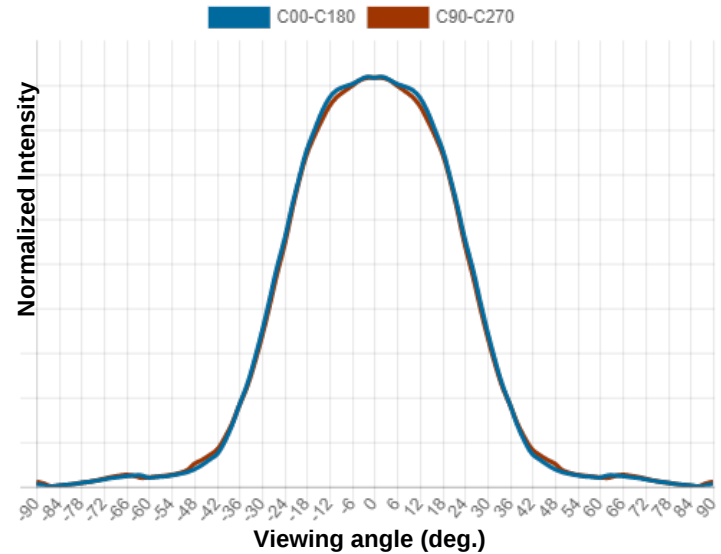
LLC22V with SEOUL SPF05F0A

Measured results

Beam angle @50% (Deg.) Major axis or Narrow Pos.	Beam angle @50% (Deg.) Major axis or Wide Pos.	Beam angle @10% (Deg.) Major axis or Narrow Pos.	Beam angle @10% (Deg.) Major axis or Wide Pos.	Efficacy (cd/lm) Major axis or Narrow Pos.	Efficacy (cd/lm) Minor axis or Wide Pos.
53.0		81.7		0.9	



A length	B height	C foot
	8.2(mm)	16.0(mm)



Accessories

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LDT file



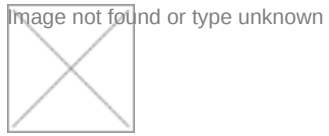
IES file



2D Schematics



3D Schematics



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