

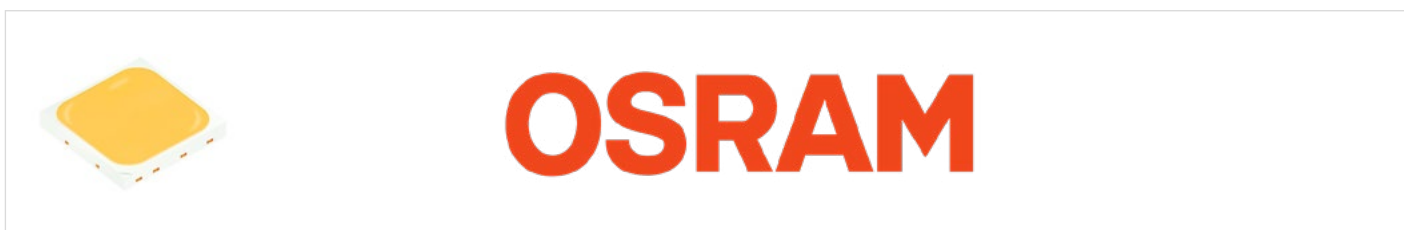
TECHNICAL SPECIFICATION

CORDOBA:LED 3.0

1. Luminaire

Heatsink material	Aluminum
Power supply housing material	Aluminum
Diffuser material	Toughened flat glass
Lenses material	PMMA

2. Light Source



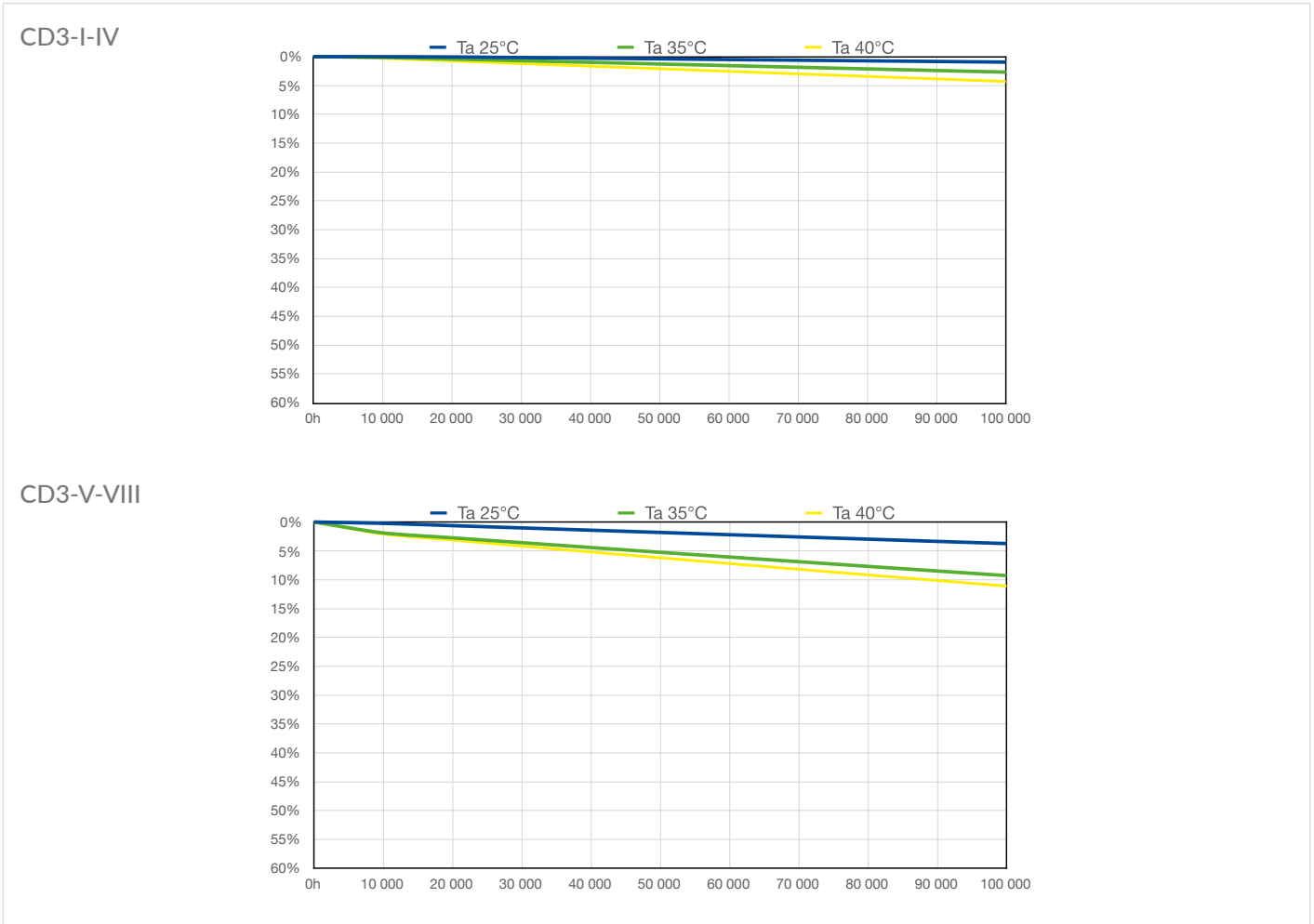
Osram GW P9LR35.PM

Parameter	Symbol	Value	Unit
Drive current	If	295/ 305/ 340/ 360/ 330/ 320/ 330/ 405	mA
Forward voltage drop	Vf	5.5	V
Luminous flux	Φ_v	344,2/ 355,3/ 393/ 414,1/ 382,4/ 371,9/ 382,4/ 461,4	lm
Intensity	Iv	109,6/ 113,1/ 125,1/ 131,8/ 121,7/ 118,4/ 121,7/ 118,4	cd
Diode efficacy	Ef	206/ 205,1/ 201,9/ 200/202,9/ 293,9/ 202,9/ 196,2	lm/W
Viewing angle at 50% Iv	2 \downarrow	120	°
Thermal resistance	Rth j-s	28	K/W
Color rendering index	CRI	>70	Ra
Laminate	MCPCB	1.5	mm

Available CCT options

3000K	~ Cy 0,392 x Cx 0,427
4000K	~ Cy 0,375 x Cx 0,382
5000K	~ Cy 0,353 x Cx 0,343
5700K	~ Cy 0,343 x Cx 0,324

Luminous flux degradation according to IESNA LM-80B10 (hours)



3. Power supply

Parameter	Symbol	Value	Unit
Input voltage	Vf	220-240	VAC
Output voltage	Vf	44/ 66/ 77/ 88/ 110/ 154/ 165/ 165	VDC
Output current	If	590/ 610/ 680/ 720/ 660/ 640/ 660/ 810	mA
Efficiency	-	91/ 91/ 92/ 92,5/ 93/93/92,5/93,5/ 93,5	%

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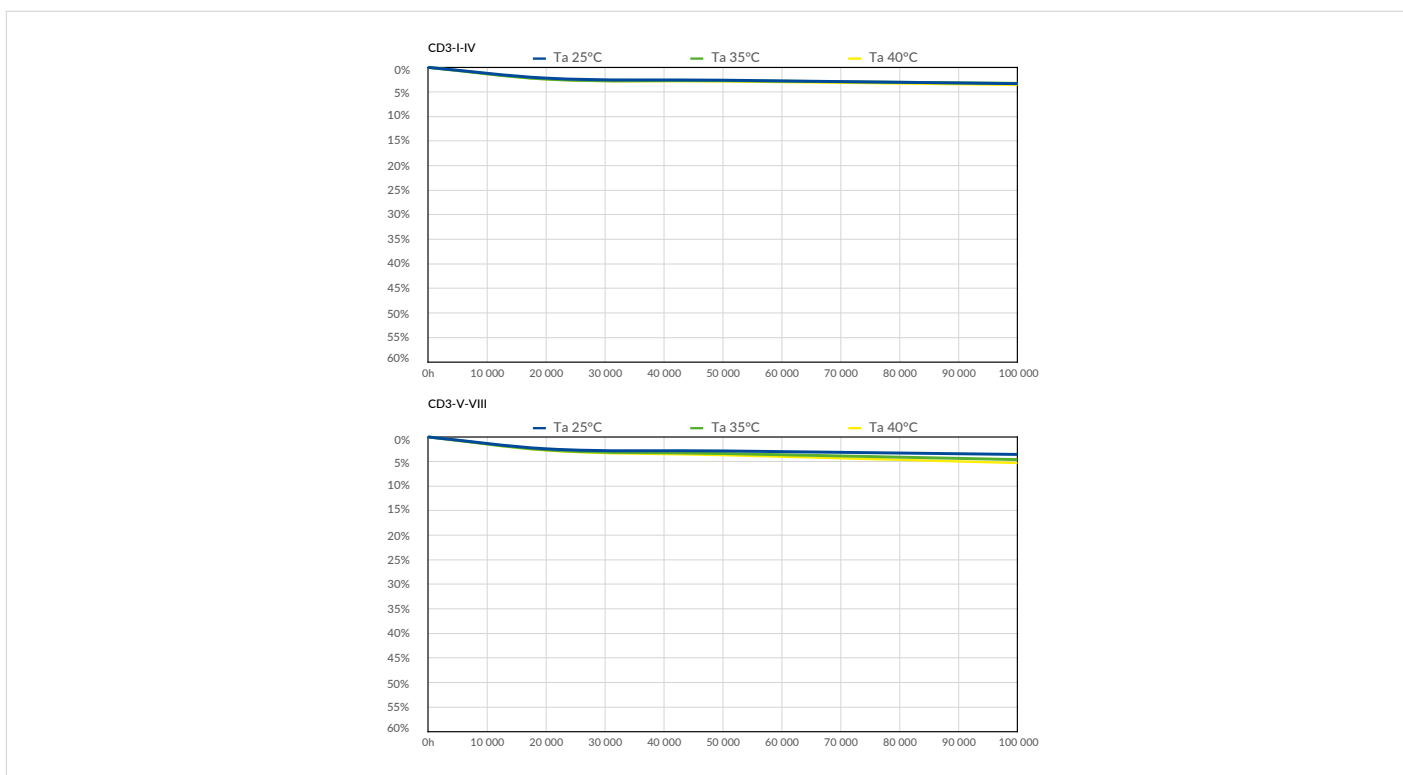
OSRAM GW PUSRA1.PM

Parameter	Symbol	Value	Unit
Drive current	If	600/640/650/670/680/700/810	mA
Forward voltage drop	Vf	2,7/2,7/2,7/2,7/2,8/2,8/2,8	V
Luminous flux	Φ_v	286/302/307/315/319/327/370	lm
Intensity	Iv	91/96/98/100/102/104/117	cd
Diode efficacy	Ef	177/175/175/174/168/167/165	lm/W
Viewing angle at 50% Iv	2 \downarrow	120	°
Thermal resistance	Rth j-s	2,8	°C/W
Color rendering index	CRI	>70	Ra
Laminate	-	MCPCB 1,5	mm

Available CCT options

2500K	
2700K	
3000K	~Cy 0.4032 x Cx 0.4339
4000K	~Cy 0.3796 x Cx 0.3818
5000K	~Cy 0.3551 x Cx 0.3446
5700K	~Cy 0.3425 x Cx 0.3287

Luminous flux degradation according to IESNA LM-80B10 (hours)



3. Power supply

Parameter	Symbol	Value	Unit
Input voltage	Vf	170-264	VAC
Output voltage	Vf	30-285	VDC
Output current	If	75-1050	mA
Efficiency		90,5	%

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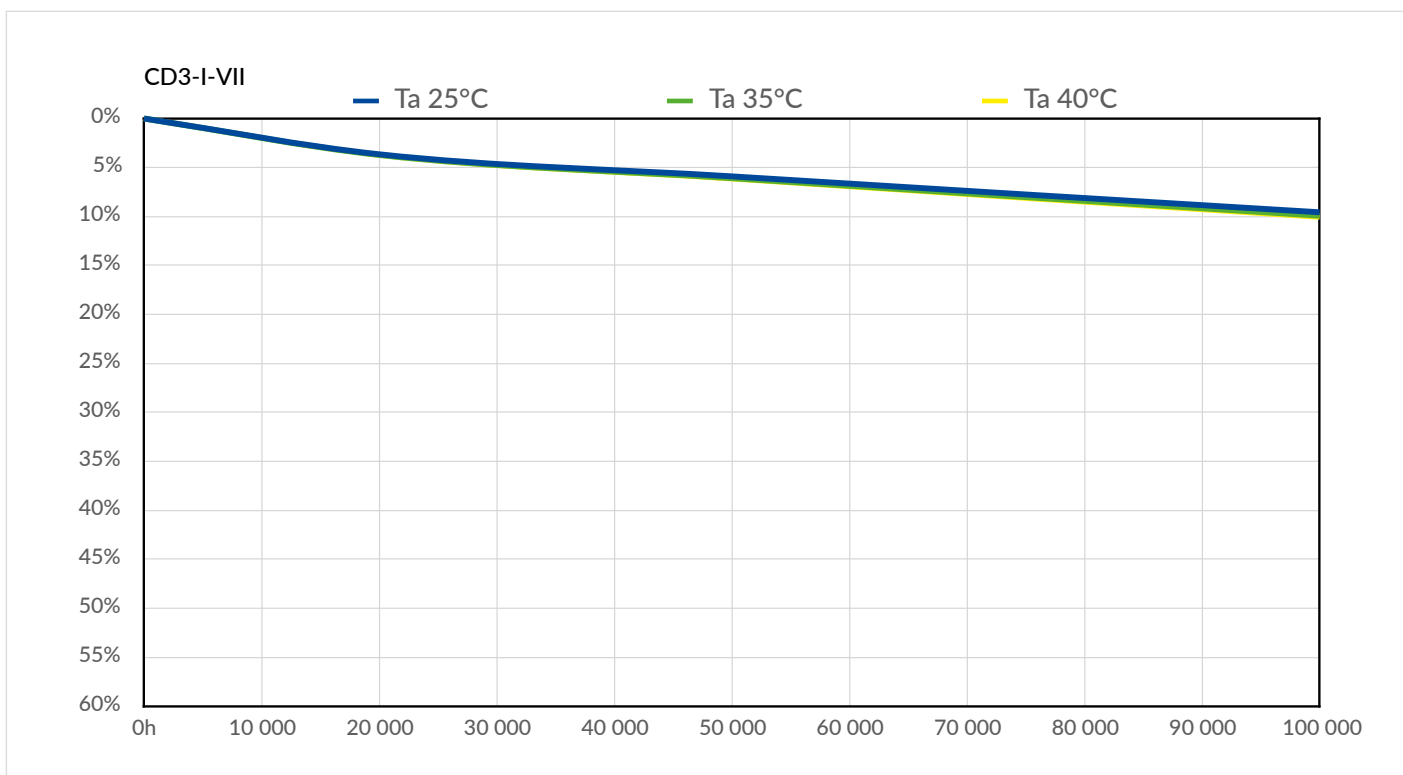
NICHIA NF2W757H-F1

Parameter	Symbol	Value	Unit
Drive current	If	130/130/145/155/160/165/170	mA
Forward voltage drop	Vf	2,79/2,79/2,82/2,83/2,84/2,84/ 2,85	V
Luminous flux	Φ_v	73/73/81/87/89/92/95	lm
Intensity	Iv	23/23/26/28/28/29/30	cd
Diode efficacy	Ef	201/201/199/197/196/196/195	lm/W
Viewing angle at 50% Iv	2 \downarrow	120	°
Thermal resistance	Rth j-s	11	°C/W
Color rendering index	CRI	80 (2500K, 2700K) / 70 (3000K, 4000K, 5000K, 5700K)	Ra
Laminate	-	MCPCB 1,5	mm

Available CCT options

2500K	$\sim C_y 0.4141 \times C_x 0.4806$
2700K	$\sim C_y 0.4101 \times C_x 0.4578$
3000K	$\sim C_y 0.4030 \times C_x 0.4338$
4000K	$\sim C_y 0.3797 \times C_x 0.3818$
5000K	$\sim C_y 0.3553 \times C_x 0.3447$
5700K	$\sim C_y 0.3417 \times C_x 0.3287$

Luminous flux degradation according to IESNA LM-80B10 (hours)



3. Power supply

Parameter	Symbol	Value	Unit
Input voltage	Vf	170-264	VAC
Output voltage	Vf	30-285	VDC
Output current	If	75-1050	mA
Efficiency		90,5	%

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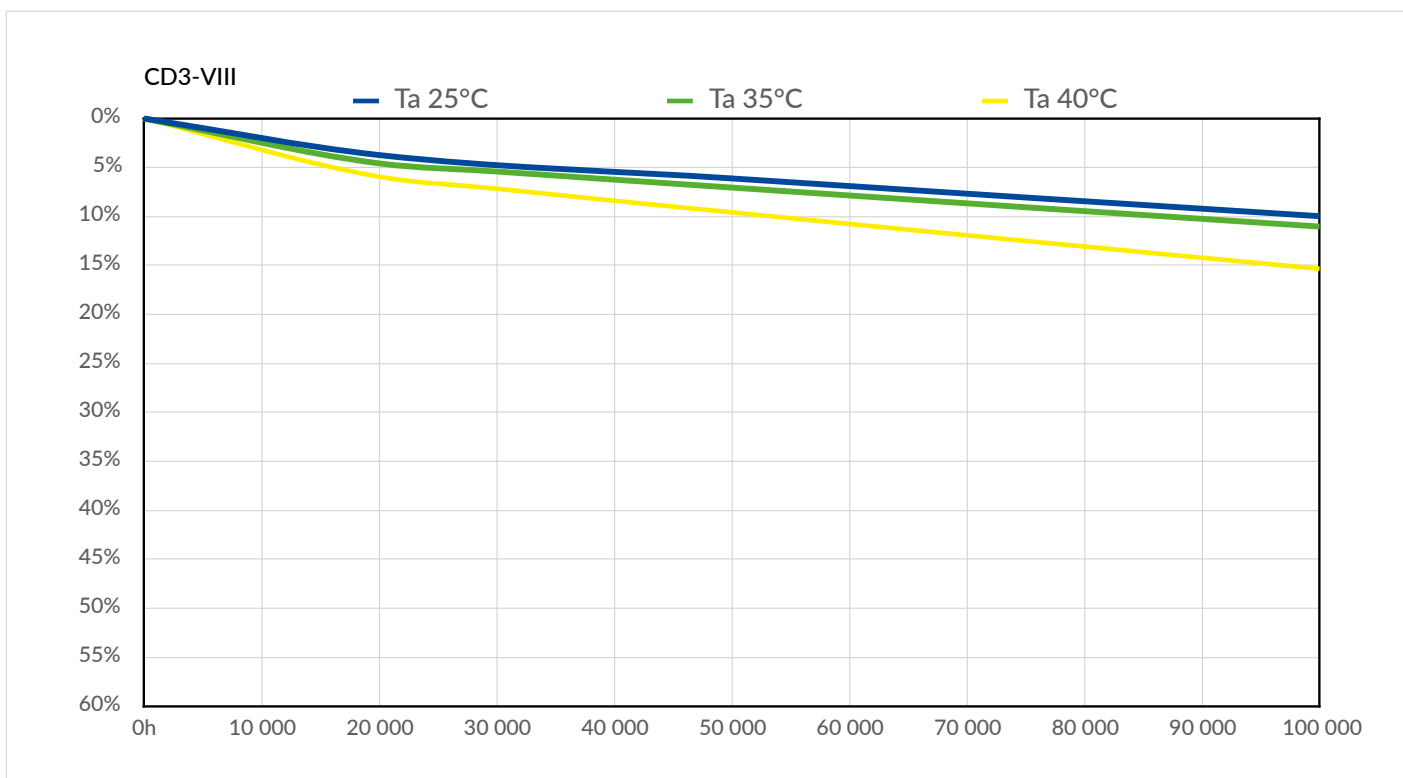
NICHIA NF2W757GRT-V3

Parameter	Symbol	Value	Unit
Drive current	If	100	mA
Forward voltage drop	Vf	5,75	V
Luminous flux	Φ_v	103	lm
Intensity	Iv	33	cd
Diode efficacy	Ef	179	lm/W
Viewing angle at 50% Iv	2 \downarrow	120	°
Thermal resistance	Rth j-s	11	°C/W
Color rendering index	CRI	80 (2500K, 2700K) / 70 (3000K, 4000K, 5000K, 5700K)	Ra
Laminate	-	MCPCB 1,5	mm

Available CCT options

2500K	$\sim C_y 0.4141 \times C_x 0.4806$
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Output voltage	Vf	30-285	VDC
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