

TECHNICAL SPECIFICATION

ULTIMA:LED 3.0 HPT

1. Luminaire

Heat sink material	Anodized aluminum
Optics material	PMMA / Glass

2. Light Source



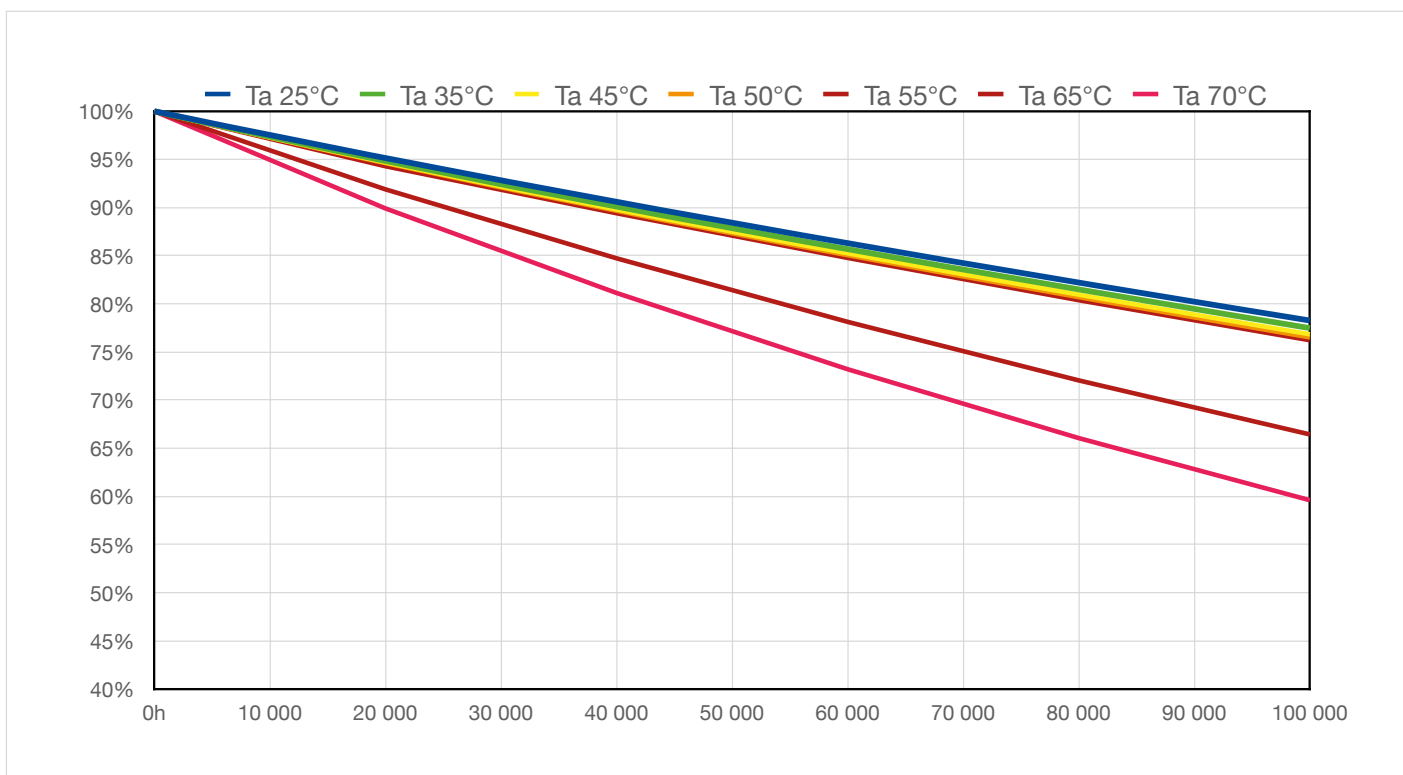
SAMSUNG LM301B

Parameter	Symbol	Value	Unit
Drive current	If	105 / 93 / 142 / 142 / 183	mA
Forward voltage drop	Vf	2,75 / 2,73 / 2,77 / 2,77 / 2,81	V
Luminous flux	Φ_v	57,6 / 51,1 / 75,1 / 75,1 / 95	lm
Intensity	Iv	18 / 16 / 23,8 / 23,8 / 30	cd
Diode efficacy	Ef	200 / 202 / 192 / 192 / 185	lm/W
Viewing angle at 50% Iv	2 \downarrow	120	°
Thermal resistance	Rth j-s	7,5	K/W
Color rendering index	CRI	>80	Ra
Laminate	-	MCPCB 1,5	mm

Available CCT options

3000K	$\sim C_y 0,392 \times C_x 0,434$
4000K	$\sim C_y 0,369 \times C_x 0,383$
5000K	$\sim C_y 0,345 \times C_x 0,367$

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



3. Power supply

Parameter	Symbol	Value	Unit
Input voltage	Vf	198-264	VAC
Output voltage	Vf	64-300	VDC
Output current	If	200 - 700	mA
Efficiency		>96	-