

# TECHNICAL SPECIFICATION

## ULTIMA 3.0

### 1. Luminaire

Heat sink material	Anodized aluminum
Optics material	PMMA / Glass

### 2. Light Source



# SAMSUNG

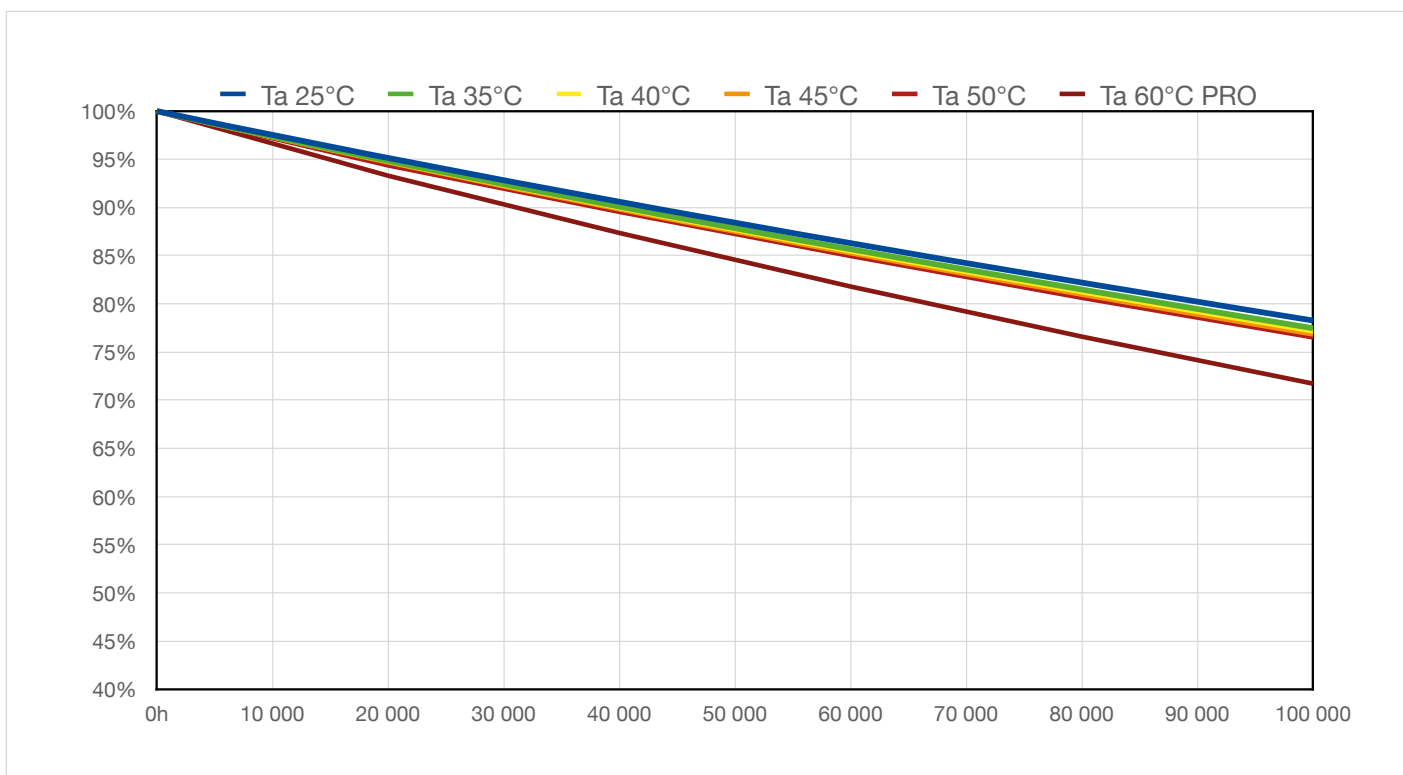
SAMSUNG LM301B

Parameter	Symbol	Value	Unit
Drive current	If	105 / 105 / 93 / 142 / 142 / 183 / 166 / 166	mA
Forward voltage drop	Vf	2,75 / 2,75 / 2,73 / 2,77 / 2,77 / 2,81 / 2,8 / 2,8	V
Luminous flux	$\Phi_v$	57,6 / 57,6 / 51,1 / 75,1 / 75,1 / 95 / 87 / 87	lm
Intensity	Iv	18 / 18 / 16 / 23,8 / 23,8 / 30 / 27,6 / 27,6	cd
Diode efficacy	Ef	200 / 200 / 202 / 192 / 192 / 185 / 188 / 188	lm/W
Viewing angle at 50% Iv	2 $\downarrow$	120	°
Thermal resistance	Rth j-s	7,5	°C/W
Color rendering index	CRI	>80	Ra
Laminate	-	MCPCB 1,5	mm

## Available CCT options

CCT	CIE
3000K	~Cy 0,392 x Cx 0,434
4000K	~Cy 0,369 x Cx 0,383
5000K	~Cy 0,345 x Cx 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	%