



ANDERS ED



ANDERS ED

A qualified solution to replace and improve existing fluorescent lamp solutions in Strip lights or other linear applications.





Lumen Maintenance Projection (IES LM-80-08)

Please be noted that the LEDs in the LED module are tested according to IES LM-80-08 with the specified PCB solution required.

Description of LED	SSC 5630C
Sample size	20
LED Drive current in the test	150mA
Total test time	9000 hours
CCT	2700K

Testing Conditions	Case Temperature °C		
	55	85	105
Average luminous Flux pro LED (lm)	48.38	48.53	48.44
Actual Case Temperature (Ts) °C	54.6	84.7	104.7
Actual Ambient Temperature (Ta) °C	52.8	82.6	102.6
Average Chromaticity shift at 9000h	0.002	0.002	0.006
Total Test Duration (h)	9000	9000	9000
Average Lumen maintenance after 9000h (%)	97.1	95.11	87.47

Designed for retail stores, offices, hospitals, industries and other places where the need is to create a good atmosphere for people to dwell in whether they take care of business or socialize.

These LED modules or Light engines for linear solutions are designed for external driver and are very easy to connect into light fittings. The light output efficiency is the highest available on the market for these types of applications.



Projected Lifetime (L70B50)

Article no.	Article	Current pro LED	Projected lifetime L70B50
TBD	Anders280 ED.19.700.42.827-NN	100 mA	>50 000 h
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The power load used in this set up in “lumen maintenance projection” is only a LM80 for the LEDs used. It is by this to be equal to a 100mA power load over a Anders ED version. We have as a maximum powerload 150 mA which is equal to the maximum of the LED in the Projected Lifetime LM80 report from the LED manufacturer. The maximum Tc is 85°C which indicates a very low degradation during its projected lifetime of the LED. The components used is calculated to carry on living for more than 50 000 hours therefore the Projected lifetime is set to 50 000 hours.

Down below is the out of specification “lifetime projection” regardless if it is a FR4 or Aluminum based PCB. The Copper need to be a minimum of 1 oz to obtain this lifetime in calculation.

Lifetime projection out of Spec			
Anders280 ED	Tc 55°C	Tc 85°C	Tc 105°C
50 000 hours	76%	73%	37%
60 000 hours	71%	68%	30%
80 000 hours	63%	60%	20%
100 000 hours	56%	52%	13%



Short form Characteristics

Mechanical	280mm
Board dimensions:	25 x 280mm
Assembly holes:	3 x 4.3mm
Connector	Wire trap / poke in

Electrical	270mm		
Power supply:	Recommended external driver 700mA		
Module current: (+/-10%)	350 mA	700 mA	1050mA
Amount of LED	42		
Power: (+/-10%)	6W	12.4W	19.2W

Electrical	270mm		
CCT:	2700K* 3000K 4000K*		
CRI:	> 80 > 90*		
Module current: (+/-10%)	350 mA	700 mA	1050mA
Lumen output CRI80	1046lm	1512lm	2016lm
SDCM (Mac Adam)	3		

*Available on request

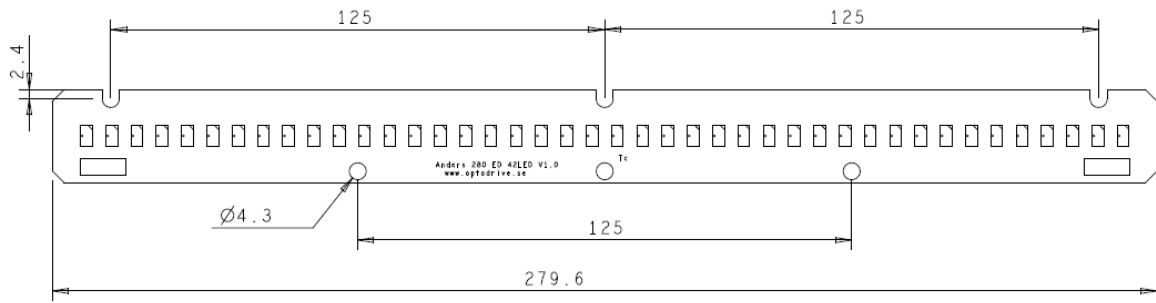


Article number structure

Article number: AndersQQQ ED.p.700.nn.8yy-N	
AndersQQQ:	Module name (QQQ = lenght in mm)
ED:	External Driver
p:	Power (Watt) maximum disipation
700:	Colour binning is made at 700mA
n:	Amount of LEDs
8:	CRI
YY:	CCT 27 =2700K, 30 =3000K, 40 = 4000K
N:	Lens options



Dimensions LED Module





Anders ED

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Datasheet LM 80 Anders

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Do you want to know more about the benefits of OptoDrive™ LED?

Read more about OptoDrive™ at www.optoga.se. You can also register your interest via info@optoga.se.

Obviously, you can also call us on +46 (0)589 490 950.

Optoga AB

Founded in November 2004, Optoga has over 30 years of experience in electronic components. The company develops and supplies LEDs, LED drivers, LED modules and software solutions for the lighting industry, vehicle manufacturers and electronics companies.

By developing products with integrated LED and driver electronics, Optoga has taken the initiative to replace strip lights, incandescent and halogen bulbs with LED-based light sources.

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