

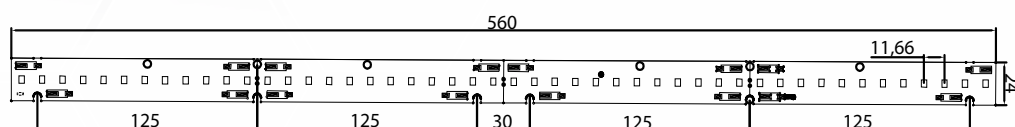
PCB

LINEAR SERIES



X-ML24560LMXX-2835XX-48

LINEAR SERIES



TECHNICAL DATA

Beam Angle 120°

Ambient temperature range -25° ~ +55°C

Tc max 85°C

Max. DC forward current 350 mA

Typical voltage of LED Module at max current 45 V

Insulation test voltage 2kV

ESD classification Class 1

Risk group (EN 62471:2008) 1

Type of protection IP00

SPECIFICATIONS

Default driving method is constant current input

CCT Range from 2000°K up to 6500°K

Luminous flux range from 1279 lm to 2570 lm

Efficacy of the module up to 180 lm/W

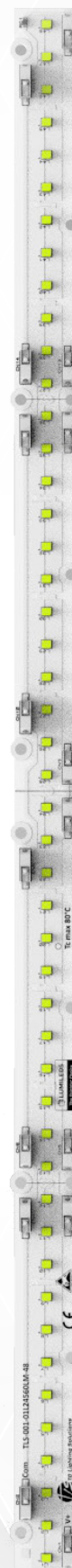
CRI 80 is standart, CRI 70 and CRI 90 are available

Outstanding system color tolerance MacAdam 3 over the full operating area

Simple installation (e.g. screw)

Long life-time > 60,000 hours

5 years guarantee at specified conditions



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Common Characteristic [@Tj] : 85°C ;

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Module Code	X-ML24560LMxx-2835xx-48		
PCB Material	FR4	Electrical Connection	
Operating Temperature (°C)	-40 ~ +85	Parallel	3
Storage Temperature (°C)	-40 ~ +55	Series	16
Thermal Conductivity (W/m-K)	1>	LED Quantity	48
LED	2835HE		
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	43,04	43,52	43
Module Operating Current (mA)	200	250	350
Branch Operating Current (mA)	67	83	117
Module Power (W)	8,61	10,88	15,12
Module Light Output (lm)	1.549	1.904	2.570
Module Efficiency (lm/W)	180	175	170
LED	2835RA-2F1		
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	43,00	44,00	44,48
Module Operating Current (mA)	200	250	350
Branch Operating Current (mA)	67	83	117
Module Power (W)	8,60	11,00	15,57
Module Light Output (lm)	1.359	1.672	2.257
Module Efficiency (lm/W)	158	152	145
LED	2835RA-2Q1		
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	43,50	44,50	45,00
Module Operating Current (mA)	200	250	350
Branch Operating Current (mA)	67	83	117
Module Power (W)	8,70	11,13	15,75
Module Light Output (lm)	1.279	1.524	2.000
Module Efficiency (lm/W)	147	137	127