

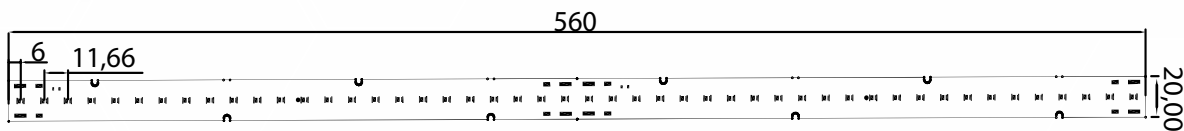
PCB

LINEAR SERIES



X-ML20560NCXX-NFSW757H-48

LINEAR SERIES



TECHNICAL DATA

Beam Angle 120°

Ambient temperature range -25° ~ +55°C

Tc max 85°C

Max. DC forward current 700mA

Typical voltage of LED Module at max current 36V

Insulation test voltage 2kV

ESD classification Class 1

Risk group (EN 62471:2008) 2

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 1965 lm to 3844 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] ;

Module Code	X-ML20560NCxx-NFSW757H-48		
PCB Material	ALU	Electrical Connection	
Operating Temperature (°C)	-40 ~ +85	Parallel	4
Storage Temperature (°C)	-40 ~ +55	Series	12
Thermal Conductivity (W/m-K)	1>	LED Quantity	48
LED	NFSW757H_R8000		
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	32,64	33,60	34,80
Module Operating Current (mA)	350	500	700
Branch Operating Current (mA)	88	125	175
Module Power (W)	11,42	16,80	24,36
Module Light Output (lm)	1.965	2.654	3.459
Module Efficiency (lm/W)	172	158	142
LED	NF2W757H-F1_R8000		
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	32,16	33,48	34,32
Module Operating Current (mA)	350	500	700
Branch Operating Current (mA)	88	125	175
Module Power (W)	11,26	16,74	24,02
Module Light Output (lm)	2.026	2.846	3.844
Module Efficiency (lm/W)	180	170	160