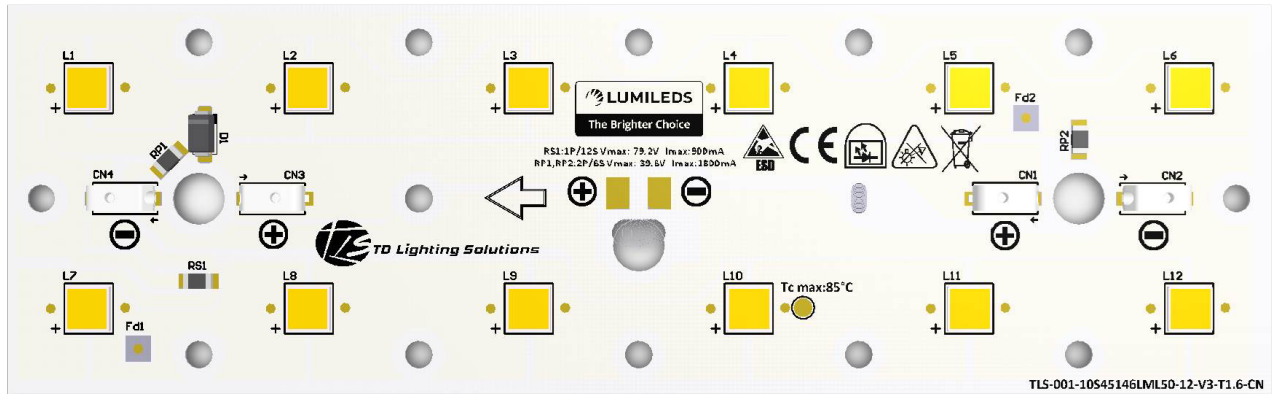


PRODUCT PHOTO



SPECIFICATIONS

- Default driving method is constant current input
- This module is optional and can be connected as 12 Series 1 Parallel or 6 Series 2 Parallels.
- CCT Range from 2000°K up to 6500°K
- Luminous flux range from 6118 lm to 9948 lm
- Efficacy of the module up to 178 lm/W
- CRI 70 is standard, CRI 80 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



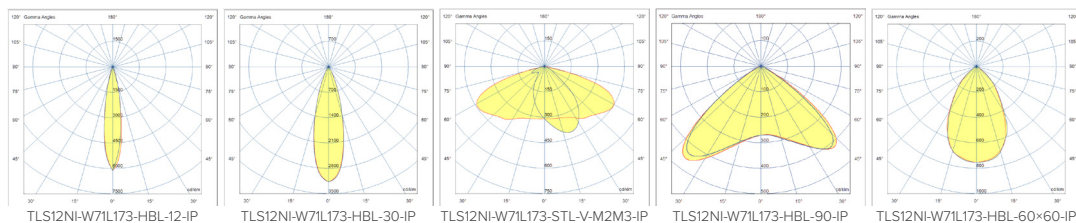
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APPLICATIONS



Street Lighting High Bay Lighting Tunnel Lighting Flood Lighting Underpass Lighting

PHOTOMETRY



DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

Common Characteristic [Tj : 85°C] ;			
Module Code	X-ML45146LM-4070-5050xx-12-V2		
PCB Material	ALU	Electrical Connection	
Operating Temperature (°C)	-40 ~ +100	Parallel	1
Storage Temperature (°C)	-40 ~ +55	Series	12
Thermal Conductivity (W/m-K)	1>	LED Quantity	12
LED			
LUXEON 5050 Round			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	70+		
Module Operating Voltage (V)	70	73	74
Module Operating Current (mA)	500	700	800
Branch Operating Current (mA)	500	700	800
Module Power (W)	35,16	50,99	59,23
Module Light Output (lm)	6.118	8.107	9.003
Module Efficiency (lm/W)	174	159	152
LED			
LUXEON 5050 Square			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	70+		
Module Operating Voltage (V)	69	71	73
Module Operating Current (mA)	500	700	900
Branch Operating Current (mA)	500	700	900
Module Power (W)	34,50	49,64	65,45
Module Light Output (lm)	6.141	8.142	9.948
Module Efficiency (lm/W)	178	164	152

The table below shows how to Module Light Output changes depending on CCT (°K)

LED	Lumen Output Multiplier				
	2700°K (CRI 70)	3000°K (CRI 70)	4000°K (CRI 70)	5000°K (CRI 70)	6500°K (CRI 70)
L150-4070500600000	0,91	0,95	1,00	0,99	0,96
L150-40705006000S0	0,93	0,96	1,00	1,00	0,96

Relative luminous intensity versus CCT (°K)

1	2	3	4	5	6	
X-ML45146LM-4070-5050xx-12-V2 MECHANICAL DRAWINGS						
A					A	
B					B	
C					C	
SERBEST ÖLÇÜ TOLERANSLARI -DIN 2768-1 / General Tolerances for linear and angular dimensions (DIN ISO 2768-1)						
0.5 up to 3mm		over 3 up to 6mm	over 6 up to 30mm	over 30 up to 120mm	over 120 up to 400mm	over 400 up to 1000mm
± 0.1		± 0.1	± 0.2	± 0.3	± 0.5	± 0.8
Stock code No			MALZEME (MATERIAL)	AGIRLIK (WEIGHT)		
Revision	00		XXX	XXX		
Date	16.02.2021		TLS-001-10S45146LML-12-V2-T1.6		OLÇEK / SCALE	A4
Sheet						
Drawn By	Kaan ALTINTEN					
Checked By	Ibrahim OKMEN					
Approved By	Utku OZTURK					
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CONTACT

TLS Teknoloji Sistemleri San ve Dış Tic AŞ

Akçaburgaz Mahallesi 3080. Sokak No:5 Esenyurt / İstanbul / TURKEY

info@tlsteknoloji.com
+90 444 27 33