

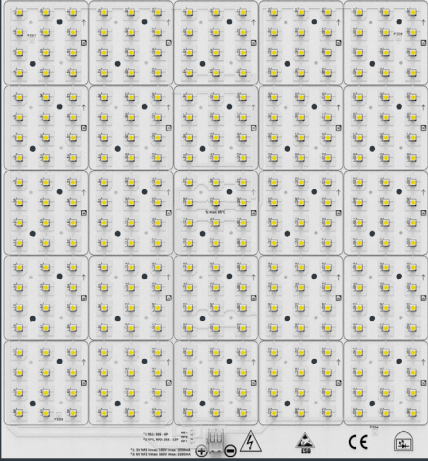


TD Lighting Solutions

X-MS255274NCxx-NF2W757GRV3-300

Square Series

www.tlstechnoloji.com



PRODUCT PHOTO



SPECIFICATIONS

- Default driving method is constant current input
- CCT Range from 2000°K up to 6500°K
- Luminous flux range from 22000 lm to 45640 lm
- Efficacy of the module up to 165 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



For your orders please call us:

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APPLICATIONS



Street Lighting



Flood Lighting



Gas Station
Lighting

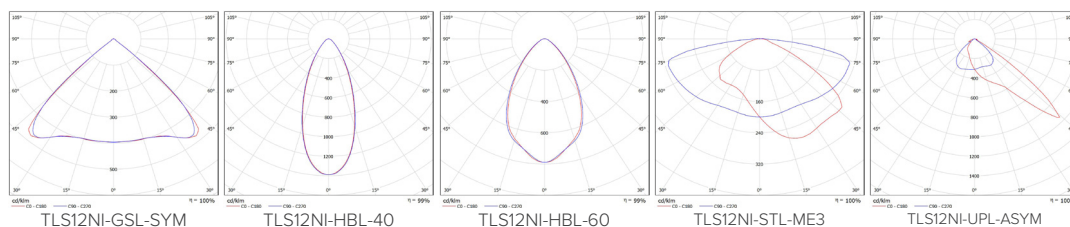


Tunnel Lighting



High Bay Lighting

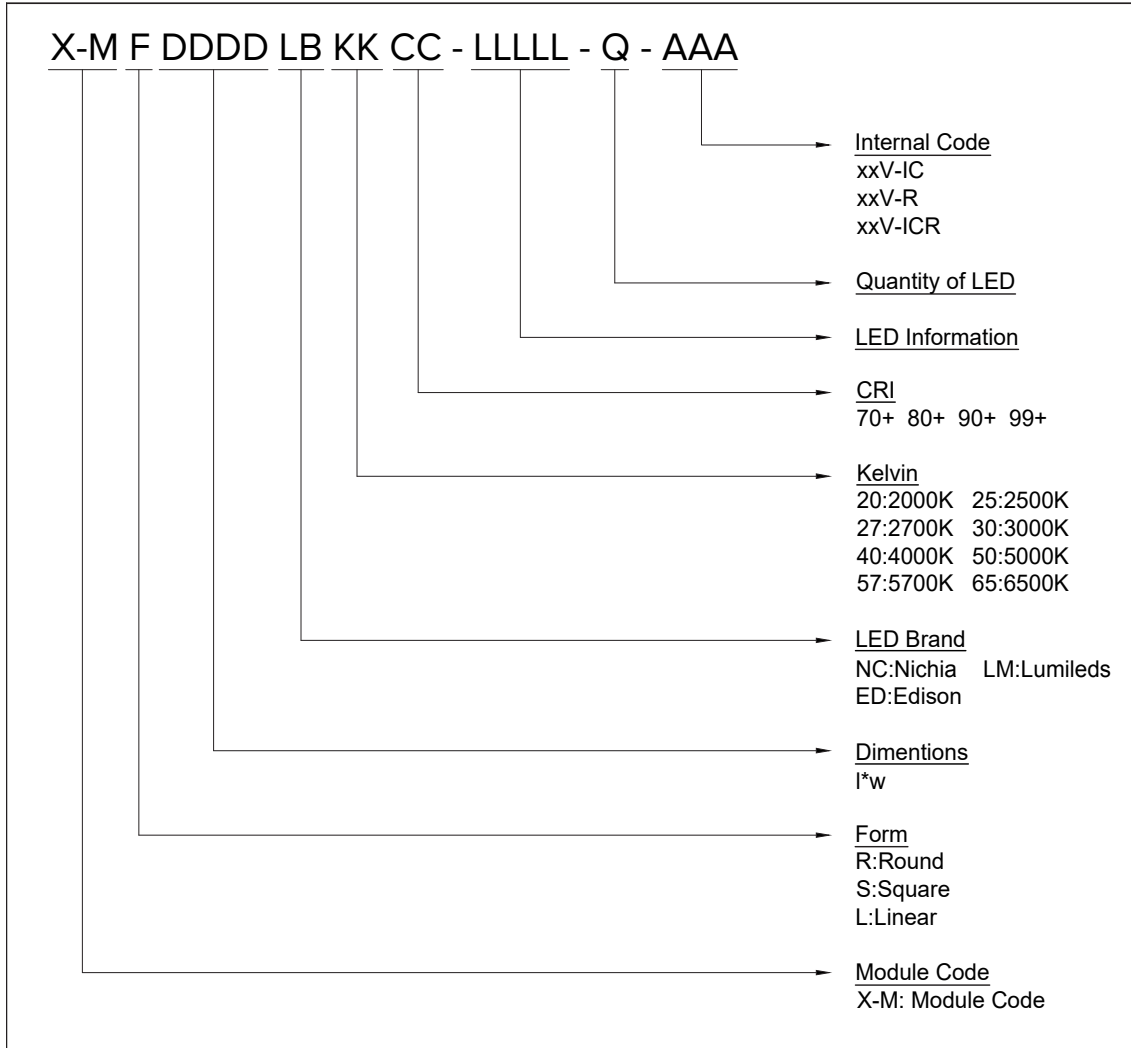
PHOTOMETRY



TECHNICAL DATA

Beam Angle	120°
Ambient temperature range	-25° ~ +55°C
Tc max	85°C
Max. DC forward current	1050mA
Typical voltage of LED Module at max current	315 V
Insulation test voltage	2kV
ESD classification	Class 1
Risk group (EN 62471:2008)	1
Type of protection	IP00

ORDERING INFORMATION



DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

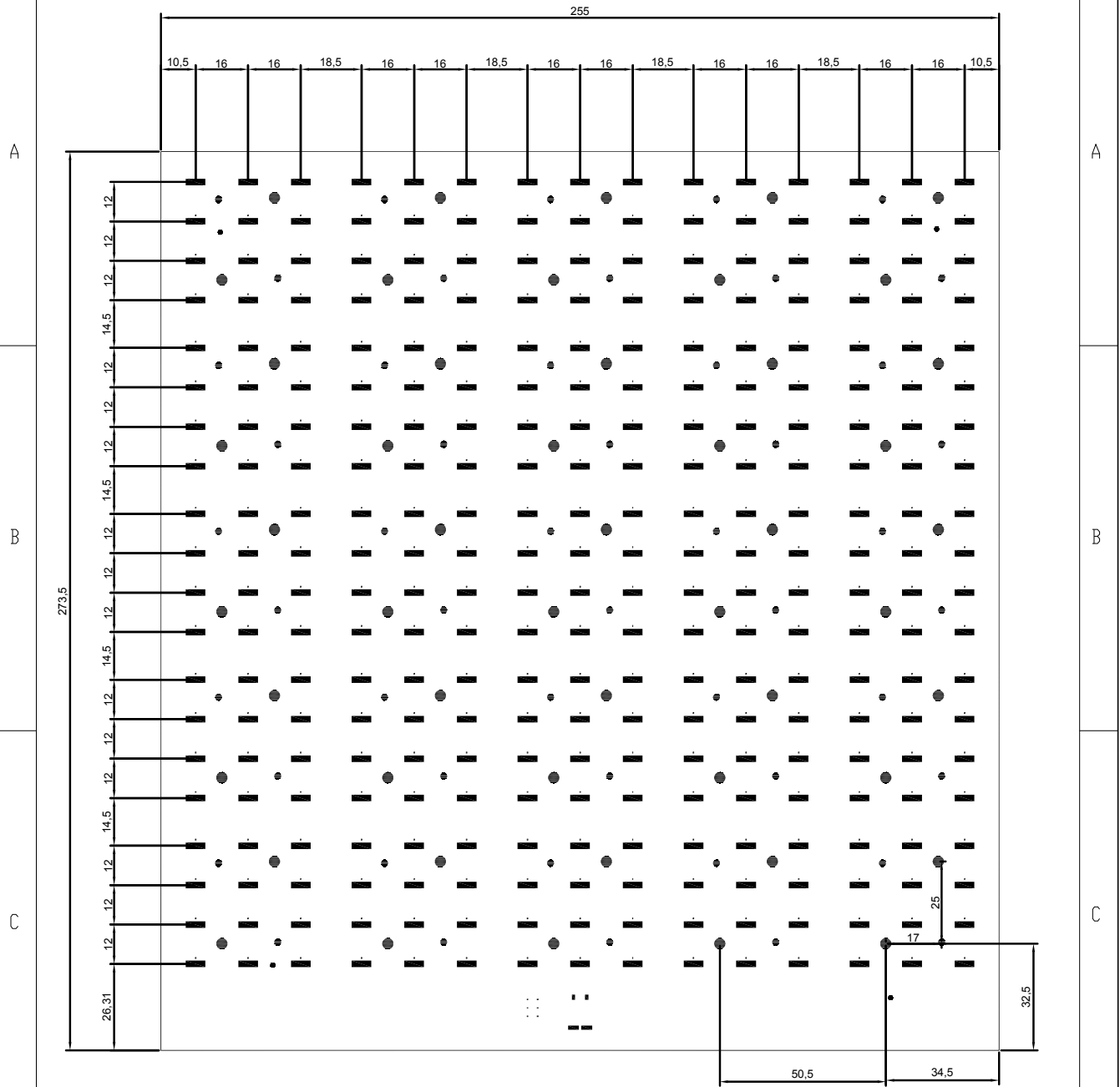
Common Characteristic [@Tj : 85°C] ;			
Module Code	X-M5255274NCxx-NF2W757GRV3-300		
PCB Material	ALU	Electrical Connection	
Operating Temperature (°C)	-40 ~ +85	Parallel	6
Storage Temperature (°C)	-40 ~ +55	Series	50
Thermal Conductivity (W/m-K)	1,5>	LED Quantity	300
LED	NF2W757GR-V3_R8000		
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	290,00	297,50	310,00
Module Operating Current (mA)	500	700	1050
Branch Operating Current (mA)	83	117	175
Module Power (W)	145,00	208,25	325,50
Module Light Output (lm)	22.040	29.155	41.664
Module Efficiency (lm/W)	152	140	128
LED	3030 2D-SQ		
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	298,50	305,00	315,00
Module Operating Current (mA)	500	700	1050
Branch Operating Current (mA)	83	117	175
Module Power (W)	149,25	213,50	330,75
Module Light Output (lm)	24.626	33.733	45.644
Module Efficiency (lm/W)	165	158	138

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

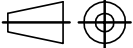
Lumen Output Multiplier					
LED	2700°K (CRI 80)	3000°K (CRI 80)	4000°K (CRI 80)	5000°K (CRI 80)	6500°K (CRI 80)
NF2W757GR-V3_R8000	0,875	0,916	1	1	1
3030 2D-SQ	0,9	1	1,08	1,08	1,08

Relative luminous intensity versus CCT (°K)

X-MS255274NCxx-NF2W757GRV3-300 MECHANICAL DRAWINGS



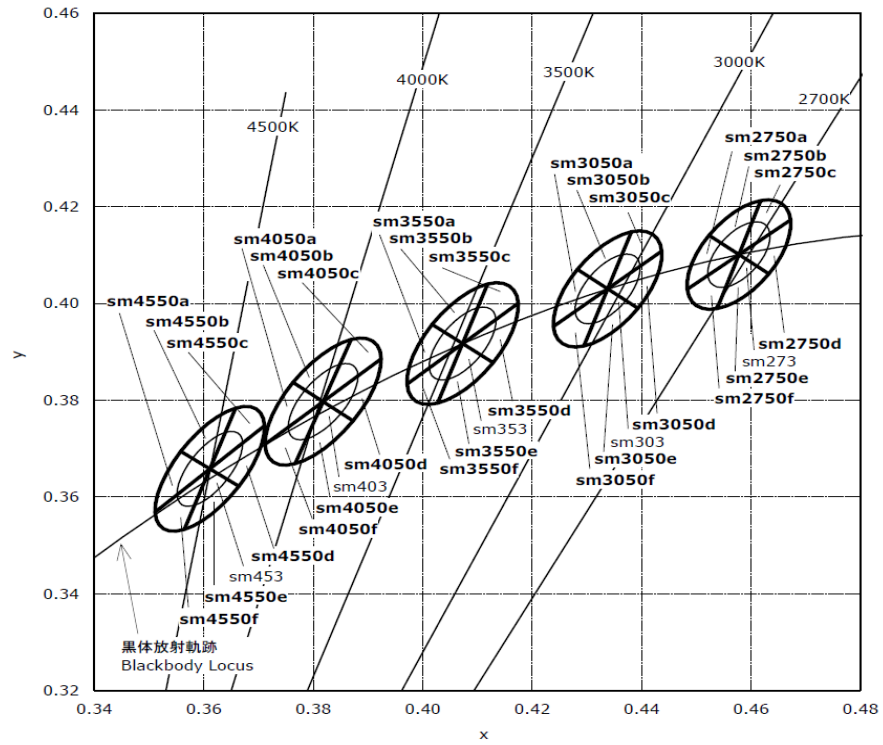
SERBEST ÖLÇÜ TOLERANSLARI -DIN 2768-1 / General Tolerances for linear and angular dimensions (DIN ISO 2768-1)

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) XXX		AGIRLIK (WEIGHT) XXX							
Revision		00											
Date		10.12.2019		TLS-001-15S255274NC-300						OLÇEK / SCALE		A4	
Sheet													
Drawn By		Kaan ALTINTEN				 TD Lighting Solutions							
Checked By		Ibrahim OKMEN											
Approved By		Mesut CINAR											

TLS Teknoloji Sanayi ve Dis Ticaret A.S

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CCT AND BINNING INFORMATION



LIFE TIME

MODEL NUMBER: NF2W757GR-V3

Test Summary:

Data Set	Case Temperature [°C]	Ambient Temperature [°C]	Drive Current [mA]	Lumen maintenance at 10K hours [%]	Chromaticity Shift ($\Delta u'v'$) at 10K hours	TM-21 Projection $L_{70}(10K)$ [hours]	TM-21 Projection $L_{80}(10K)$ [hours]	TM-21 Projection $L_{90}(10K)$ [hours]
1	55	> 50	100	98.1	0.0014	> 60600	> 60600	> 60600
2	55	> 50	150	98.3	0.0017	> 60400	> 60400	> 60400
3	55	> 50	200	98.2	0.0020	> 60500	> 60500	48300
4	85	> 80	100	96.4	0.0014	> 60600	> 60600	52500
5	85	> 80	150	96.3	0.0020	> 60400	> 60400	38800
6	85	> 80	200	93.9	0.0035	55900	35300	17100
7	105	> 100	100	92.3	0.0019	> 60600	43700	15500
8	105	> 100	150	93.4	0.0027	> 60400	57800	21000
9	105	> 100	200	90.7	0.0034	42800	26200	11600

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