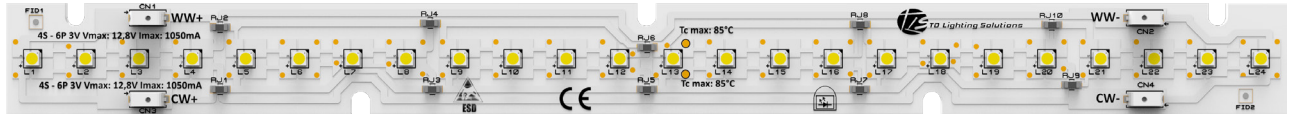


PRODUCT PHOTO



SPECIFICATIONS

- Default driving method is constant current input
- CCT Range adjustable 2700K up to 6500K
- This module has 2 channels and each channel can be connected as 4series 6 parallels.
- Luminous flux range from 659 lm to 2213 lm
- Efficacy of the module up to 178 lm/W
- CRI 80 is standard.
- 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



Industrial Lighting



Office Lighting

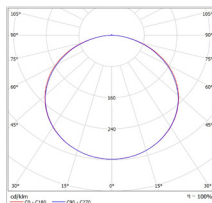


Hospital Lighting



School Lighting

PHOTOMETRY



W/O LENS

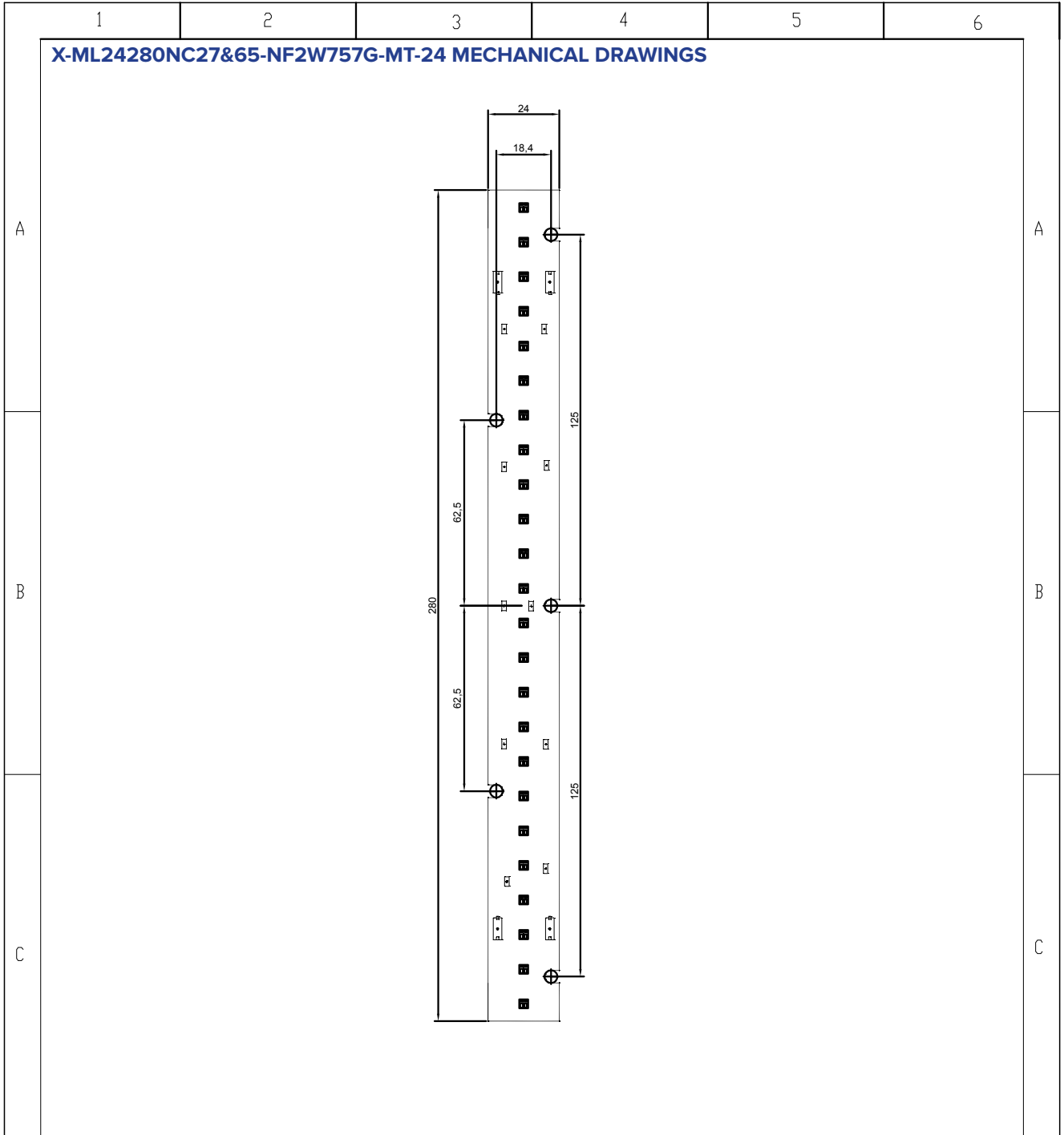
DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

Common Characteristic [@Tj : 85°C] ;				
Module Code	X-ML24280NC27&65-NF2W757G-MT-24			
PCB Material	ALU	Electrical Connection		
Correlated Color Temperature (CCT)	2700K 6500K			
Operating Temperature (°C)	-40 ~ +100	Parallel	6	6
Storage Temperature (°C)	-40 ~ +55	Series	4	4
Thermal Conductivity (W/m-K)	1>	LED Quantity	24	
LED	NF2W757G-MT_Rdf00df			
Correlated Color Temperature (CCT)	2700K			
Color Rendering Index (CRI)	80+			
Module Operating Voltage (V)	11	12	12,4	
Module Operating Current (mA)	350	700	1050	
Branch Operating Current (mA)	58	117	175	
Module Power (W)	3,92	8,12	13,02	
Module Light Output (lm)	659	1.348	2.122	
Module Efficiency (lm/W)	168	166	163	
LED	NF2W757G-MT_Rdf00df			
Correlated Color Temperature (CCT)	6500K			
Color Rendering Index (CRI)	80+			
Module Operating Voltage (V)	11	12	12,4	
Module Operating Current (mA)	350	700	1050	
Branch Operating Current (mA)	58	117	175	
Module Power (W)	3,92	8,26	13,02	
Module Light Output (lm)	698	1.437	2.213	
Module Efficiency (lm/W)	178	174	170	

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


Lumen Output Multiplier					
LED	2700°K (CRI 80)	x	x	x	6500°K (CRI 80)
NF2W757G-MT_Rdf00df	0,94	x	x	x	1,00

Relative luminous intensity versus CCT (°K)



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	15.02.2021	TLSP-001-10L24280NCMT-24-DW-T1.6			OLÇEK / SCALE
Sheet					A4
Drawn By	Kaan ALTINTEN				 TD Lighting Solutions
Checked By	Ibrahim OKMEN				
Approved By	Utku OZTURK				

TLS Teknoloji Sanayi ve Dis Ticaret A.S

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LIFE TIME

MODEL NUMBER: NF2W757G-MT



Report No. : SQETMS630301

LM-80 Test Report

This LM-80 testing is performed in accordance with IES LM-80-15.

Part No. NF2W757G-MT

Issue Date: October 22, 2020 Revision Date: -
 Test Initiation Date: March 23, 2018 Test Completion Date: August 5, 2019
 Test Duration: 10,000 hours Report No.: SQETMS630301

Customer Information:

Company Name: Nichia Corporation
 Address: 491-100, Oka, Kaminaka-cho, Anan-shi, Tokushima, 774-8601, JAPAN

Description of Test Samples:

Manufacturer's Name: Nichia Corporation
 Classification: LED Package
 Part Name: White LED
 Part No.: NF2W757G-MT
 Nominal CCT: 2700 K

Test Summary:

Data Set	Case Temperature [°C]	Ambient Temperature [°C]	Drive Current [mA]	Luminous Flux Maintenance at 10K hours [%]	Chromaticity Shift ($\Delta u'v'$) at 10K hours	TM-21 Projection $L_{50}(10K)$ [hours]	TM-21 Projection $L_{60}(10K)$ [hours]	TM-21 Projection $L_{70}(10K)$ [hours]
1	55	> 50	80 / 0	98.2	0.0012	> 60000	> 60000	> 60000
2	55	> 50	125 / 0	97.9	0.0014	> 60000	> 60000	> 60000
3	55	> 50	150 / 0	97.9	0.0015	> 60000	> 60000	55500
4	55	> 50	180 / 0	97.6	0.0017	> 60000	> 60000	52000
5	85	> 80	80 / 0	97.1	0.0013	> 60000	> 60000	37800
6	85	> 80	125 / 0	96.7	0.0014	> 60000	> 60000	43700
7	85	> 80	150 / 0	96.1	0.0016	> 60000	> 60000	42300
8	85	> 80	180 / 0	96.1	0.0020	> 60000	> 60000	> 60000
9	105	> 100	80 / 0	94.4	0.0018	> 60000	43600	20000
10	105	> 100	125 / 0	93.1	0.0024	54700	34100	15900
11	105	> 100	150 / 0	92.4	0.0030	45100	28500	13800
12	105	> 100	180 / 0	91.0	0.0048	34700	22400	11600



Approved Signatory:

Takara WAKAKI, Lab Manager

Nichia Corporation LED Testing Laboratory

1-1, Tatsumi-cho, Anan-shi, TOKUSHIMA 774-0001, JAPAN

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