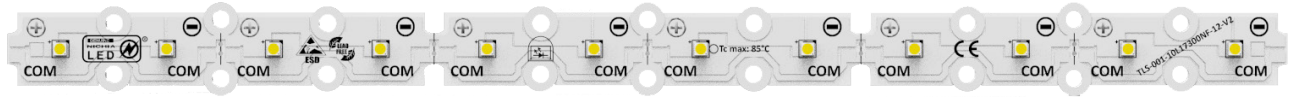




## PRODUCT PHOTO



## SPECIFICATIONS

- Default driving method is constant current input
- CCT Range from 2000°K up to 6500°K
- Luminous flux range from 1322 lm to 2238 lm
- Efficacy of the module up to 170 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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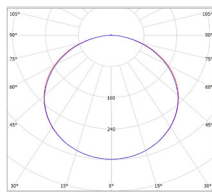
## APPLICATIONS



Cove Light

Panel Light

## PHOTOMETRY



W/O LENS



## DRIVING CURRENT VS LUMEN OUTPUT SPECIFICATION

Common Characteristic [ @Tj : 85°C ] ;			
Module Code	X-ML17300NCxx-NF2W757GRV3-12		
PCB Material	ALU	Electrical Connection	
Operating Temperature (°C)	-40 ~ +85	Parallel	2
Storage Temperature (°C)	-40 ~ +55	Series	6
Thermal Conductivity (W/m-K)	1>	LED Quantity	12
<b>LED</b>			
<b>NF2W757GR-V3_R8000</b>			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	34,80	34,80	37,20
Module Operating Current (mA)	250	350	400
Branch Operating Current (mA)	125	175	200
Module Power (W)	8,70	12,18	14,88
Module Light Output (lm)	1.322	1.705	2.053
Module Efficiency (lm/W)	152	140	138
<b>LED</b>			
<b>3030 2D-SQ</b>			
Correlated Color Temperature (CCT)	4000K		
Color Rendering Index (CRI)	80+		
Module Operating Voltage (V)	35,82	36,60	37,80
Module Operating Current (mA)	250	350	400
Branch Operating Current (mA)	125	175	200
Module Power (W)	8,96	12,81	15,12
Module Light Output (lm)	1.522	2.024	2.238
Module Efficiency (lm/W)	170	158	148

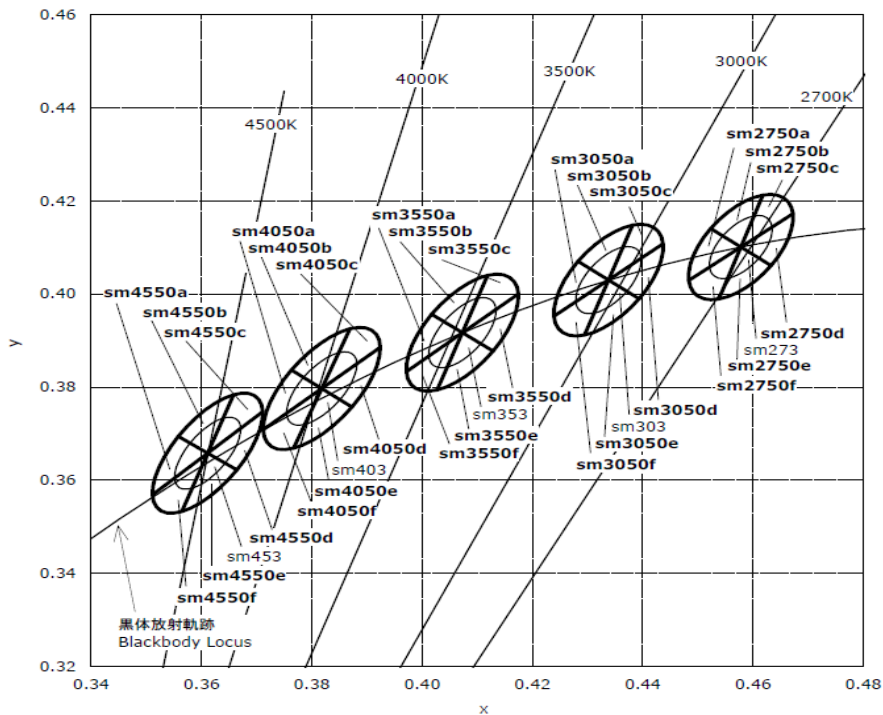
The table below shows how to Module Light Output changes depending on CCT (°K)

LED	Lumen Output Multiplier				
	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	0,92	1,04	1,15	1,15	1,15

Relative luminous intensity versus CCT (°K)

1		2		3		4		5		6	
<b>X-ML17300NCxx-NF2W757GRV3-12 MECHANICAL DRAWINGS</b>											
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		10.12.2019		TLS-001-10L-17300NC-12				OLÇEK / SCALE		A4	
Sheet											
Drawn By		Kaan ALTINTEN									
Checked By		Ibrahim OKMEN									
Approved By		Mesut CINAR									
<b>TLS Teknoloji Sanayi ve Dis Ticaret A.S</b> This drawing is our property. It cant be reproduced or communicated without our written agreement.											

CCT AND BINNING INFORMATION



DATASHEET

X-ML17300NCxx-NF2W757GRV3-12

## 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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