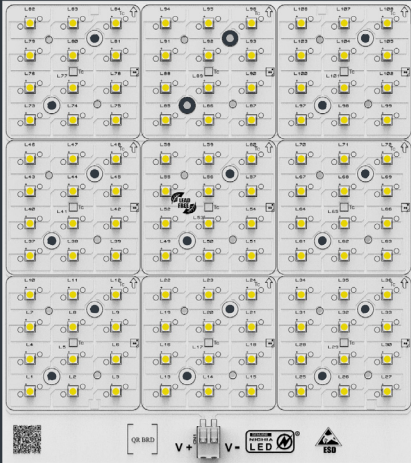




**TD Lighting Solutions**

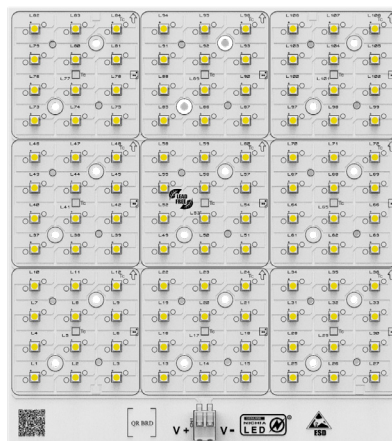
## **X-MS154173NCxx-NF2W757GRV3-108**

Square Series



[www.tlsteknoloji.com](http://www.tlsteknoloji.com)

## PRODUCT PHOTO



## SPECIFICATIONS

- Default driving method is constant current input
- CCT Range from 2000°K up to 6500°K
- Luminous flux range from 7405 lm to 17622 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



Street Lighting

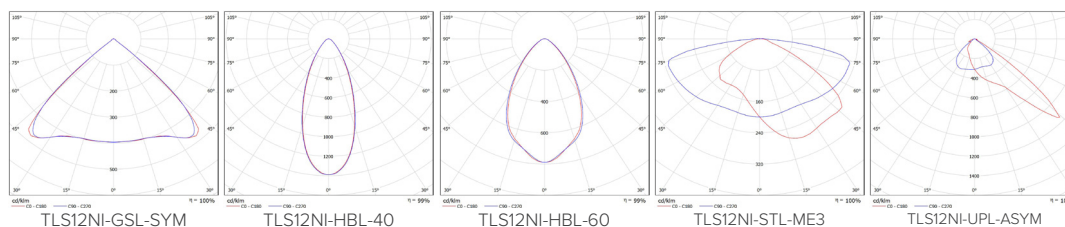


Flood Lighting

Gas Station  
Lighting

Tunnel Lighting

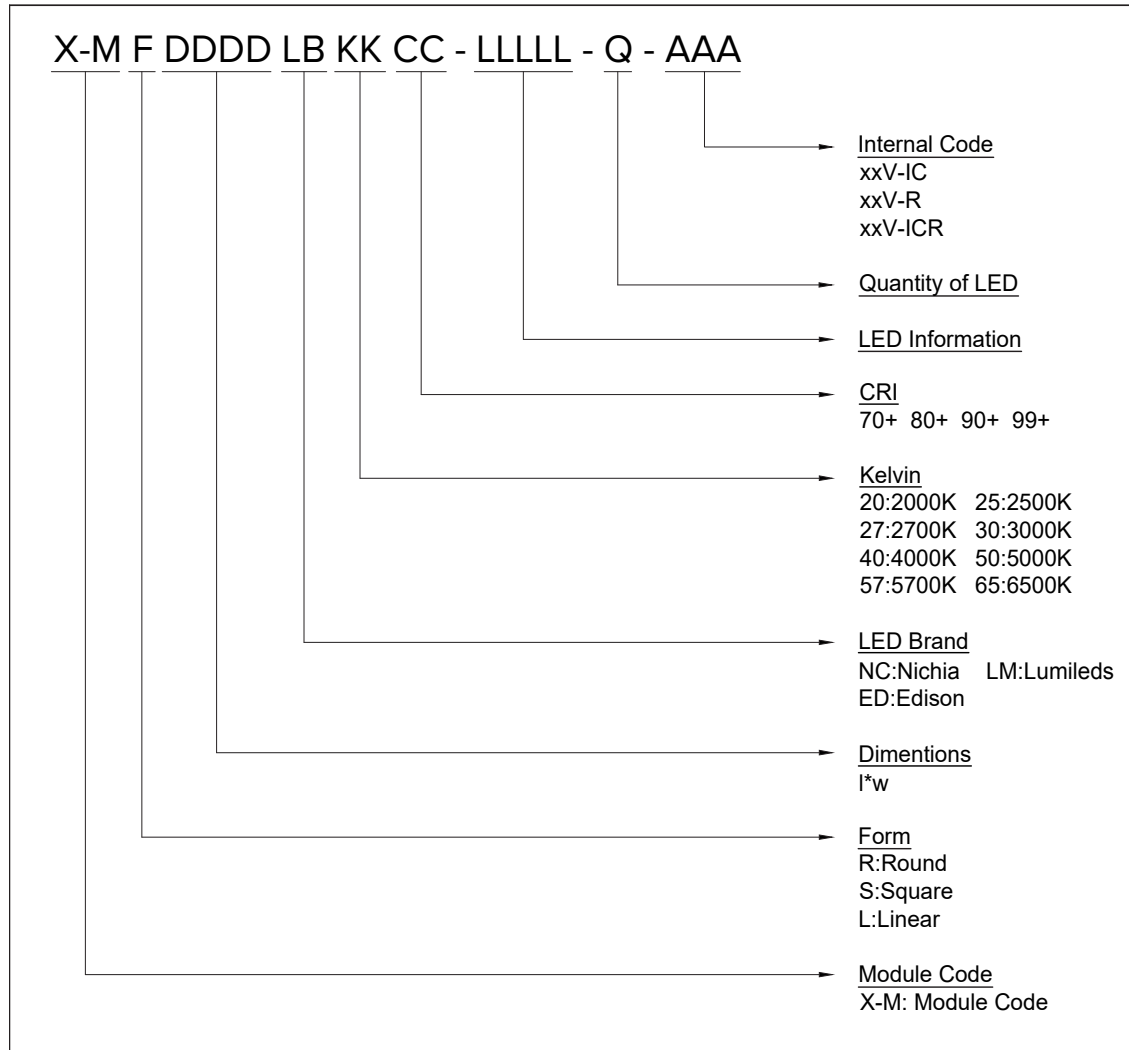
## PHOTOMETRY



## 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 | 170V         |
| Insulation test voltage                      | 2kV          |
| ESD classification                           | Class 1      |
| Risk group (EN 62471:2008)                   | 1            |
| Type of protection                           | IP00         |

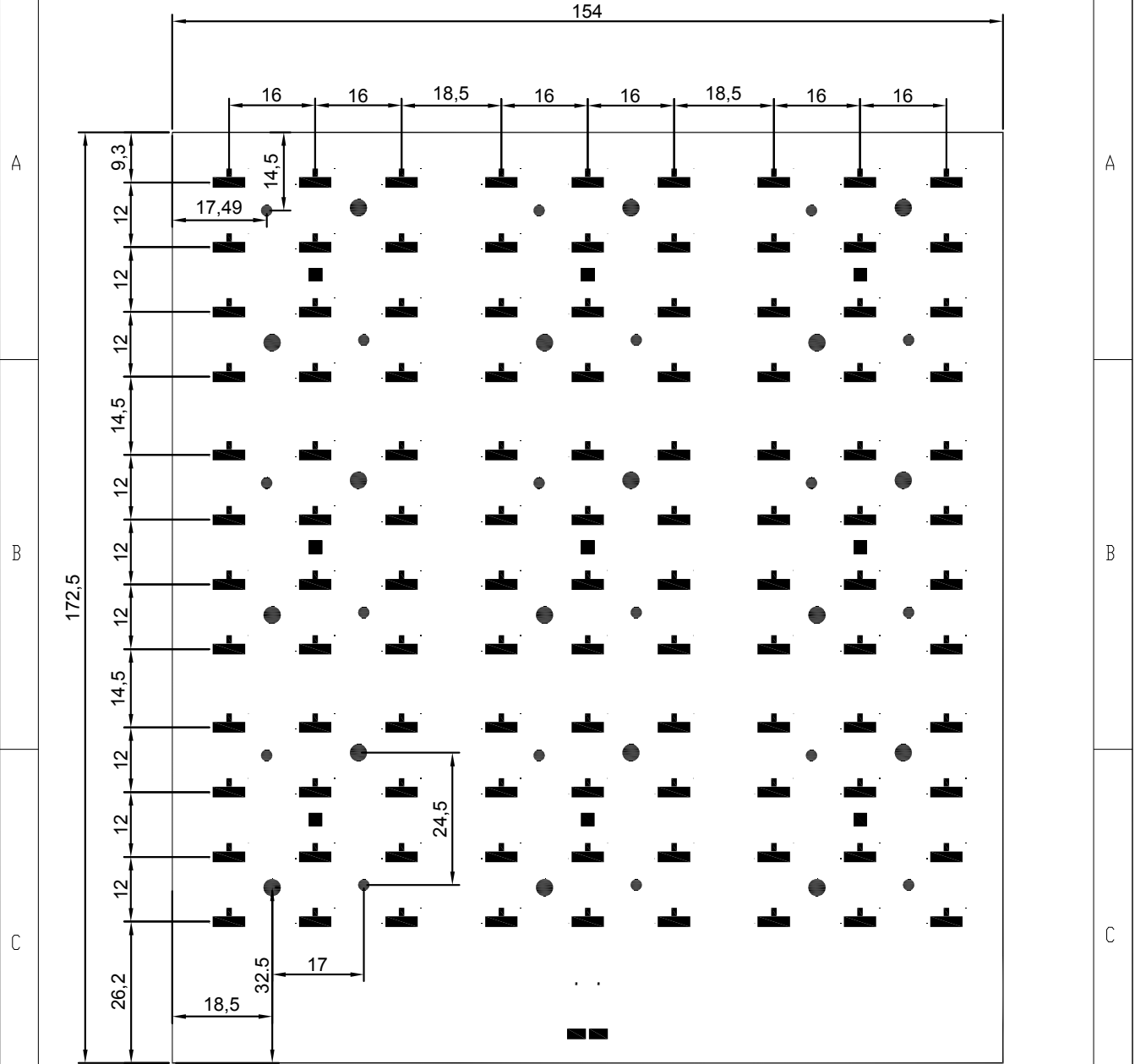
## ORDERING INFORMATION



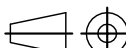
The table below shows how to Module Light Output changes depending on CCT (°K)

Relative luminous intensity versus CCT (°K)

## X-MS154173NCxx-NF2W757GRV3-108 MECHANICAL DRAWINGS



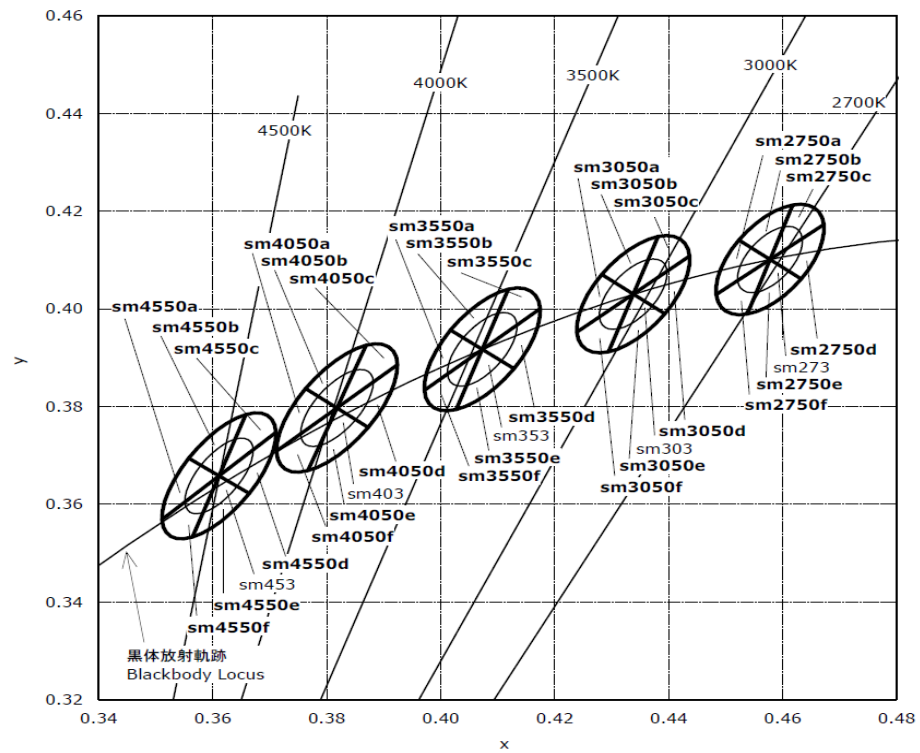
## SERBEST ÖLÇÜ TOLERANSLARI -DIN 2768-1 / General Tolerances for linear and angular dimensions ( DIN ISO 2768-1)

|               |  |                  |  |                           |  |                                                                                                                    |  |                      |  |                       |  |
|---------------|--|------------------|--|---------------------------|--|--------------------------------------------------------------------------------------------------------------------|--|----------------------|--|-----------------------|--|
| 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)<br>XXX |  | AGIRLIK (WEIGHT)<br>XXX                                                                                            |  |                      |  |                       |  |
| Revision      |  | 00               |  |                           |  |                                                                                                                    |  |                      |  |                       |  |
| Date          |  | 10.12.2019       |  | TLS-001-15S154173NC-108   |  |                               |  | OLÇEK / SCALE        |  | A4                    |  |
| Sheet         |  |                  |  |                           |  |                                                                                                                    |  |                      |  |                       |  |
| Drawn By      |  | Kaan ALTINTEN    |  |                           |  |  <b>TD Lighting Solutions</b> |  |                      |  |                       |  |
| Checked By    |  | Ibrahim OKMEN    |  |                           |  |                                                                                                                    |  |                      |  |                       |  |
| Approved By   |  | Mesut CINAR      |  |                           |  |                                                                                                                    |  |                      |  |                       |  |

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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 (Δu'v') at 10K hours | TM-21 Projection L <sub>70</sub> (10K) [hours] | TM-21 Projection L <sub>80</sub> (10K) [hours] | TM-21 Projection L <sub>90</sub> (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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### CONTACT

#### **TLS Teknoloji Sistemleri San ve Dış Tic AŞ**

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

info@tsteknoloji.com  
+90 444 27 33