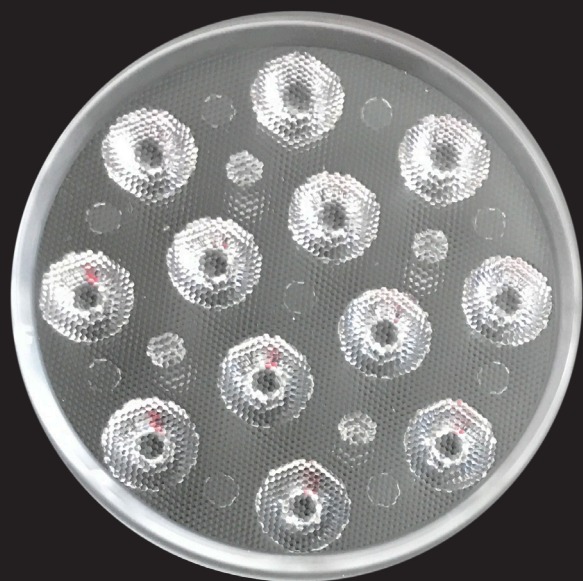


LIMBUS

CONTROL YOUR LIGHT



BY  *TD Lighting Solutions*

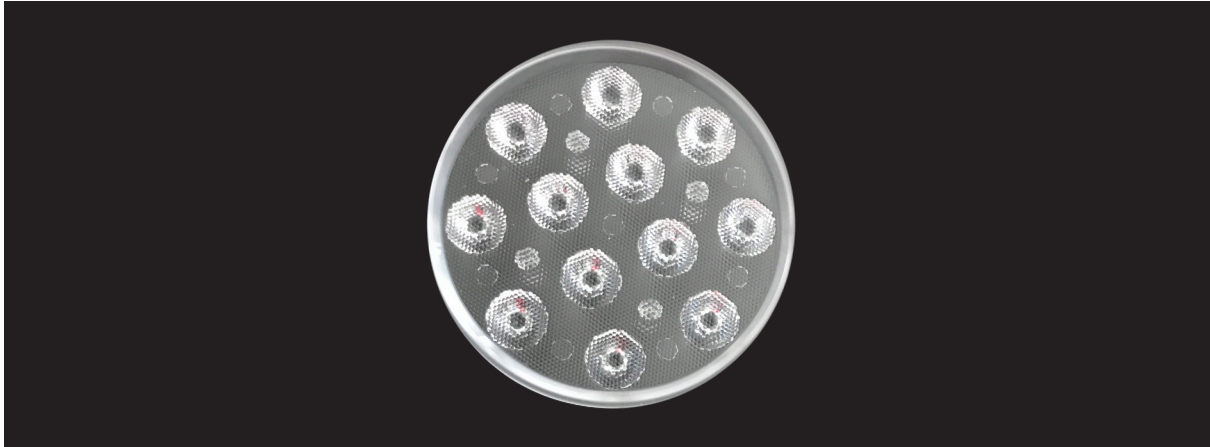


TLS12NI

Round Design Series

FAMILY DATASHEET

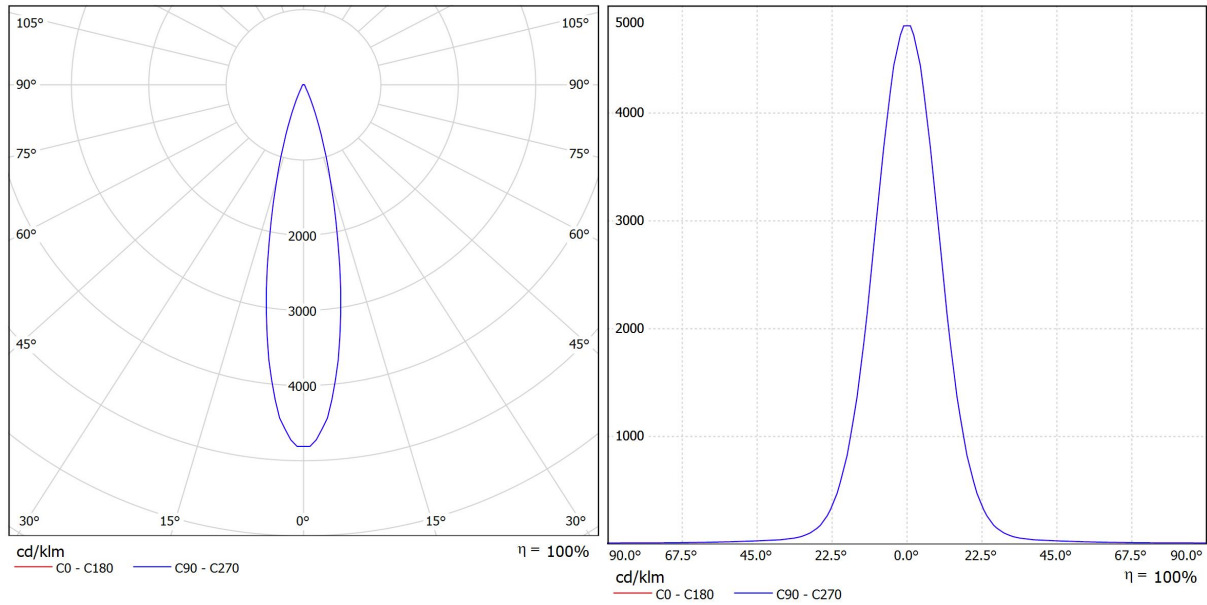
PRODUCT PICTURE



GENERAL SPECIFICATIONS

Product Code	O-TLS12NI-D92-15
Description	Downlight,Spotlight
Degree (FWHM)	22
Efficiency	97%
Type	Multi Lens
Diameter	Φ92mm
Height	16.2mm
Material	PMMA
Box Size (mm) WxLxH	320x245x115
Box Quantity	96
Box Weight (g)	400
Rohs Compliant	Yes
Operating Temperature	-40 ° C ~ + 80 ° C max
Storage Temperature	0 ° C ~ 40 ° C max

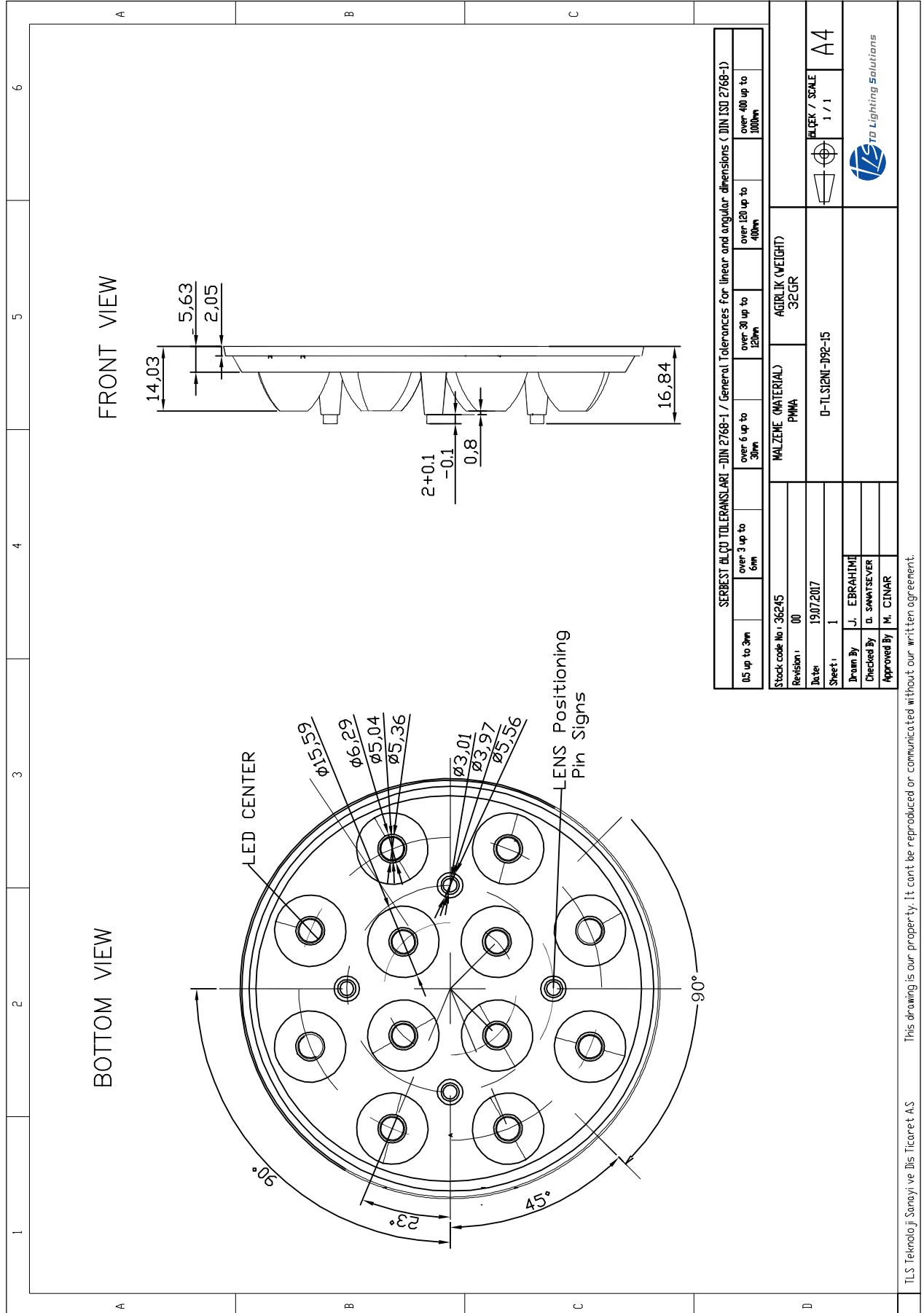
PHOTOMETRIC SPECIFICATIONS



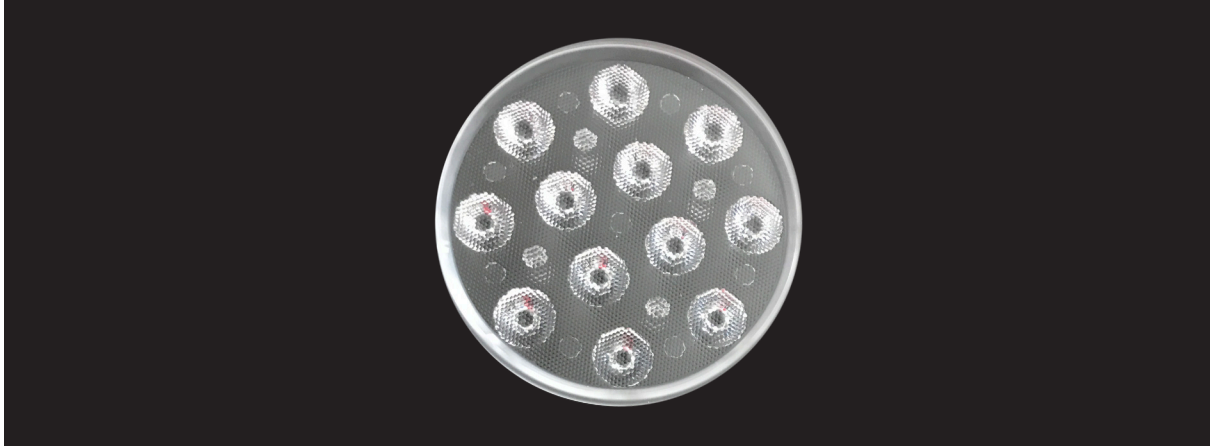
APPLICATION NOTES

- Please use a little water and soft fabric (air-laid paper) to clean the lens & reflector if necessary.
- Forbid to use industrial solvent to clean the lens, such as alcohol.
- The working temperature is -25[C~+80]C.
- Storage environment temperature is 0[C~40]C, humidity is 30%~95%.
- Optic Lens has the function to change the ray of light, it is made of optical material, the effect shall be influenced once pollute. Please do not open the packing before use it, to avoid the dust pollution.
- Protect the product from the sun and other ultraviolet ray, as these will lead to aging, change color, crack, etc.
- Please wear gloves once install the lens, avoid to abrasion the lens surface.
- Forbid to use acidic or alkaline solution touch the product, avoid to generate the chemical reactions.

MECHANICAL DRAWINGS



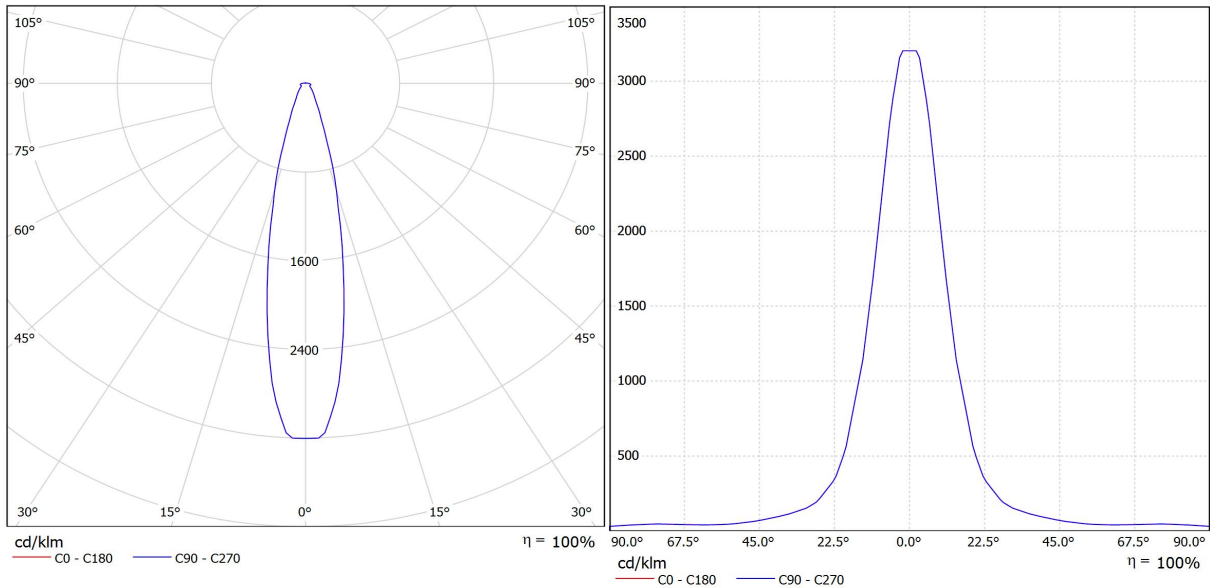
PRODUCT PICTURE



GENERAL SPECIFICATIONS

Product Code	O-TLS12NI-D92-25
Description	Downlight,Spotlight
Degree (FWHM)	24
Efficiency	98%
Type	Multi Lens
Diameter	Φ92mm
Height	16.2mm
Material	PMMA
Box Size (mm) WxLxH	320x245x115
Box Quantity	96
Box Weight (g)	400
Rohs Complaint	Yes
Operating Temperature	-40 ° C ~ + 80 ° C max
Storage Temperature	0 ° C ~ 40 ° C max

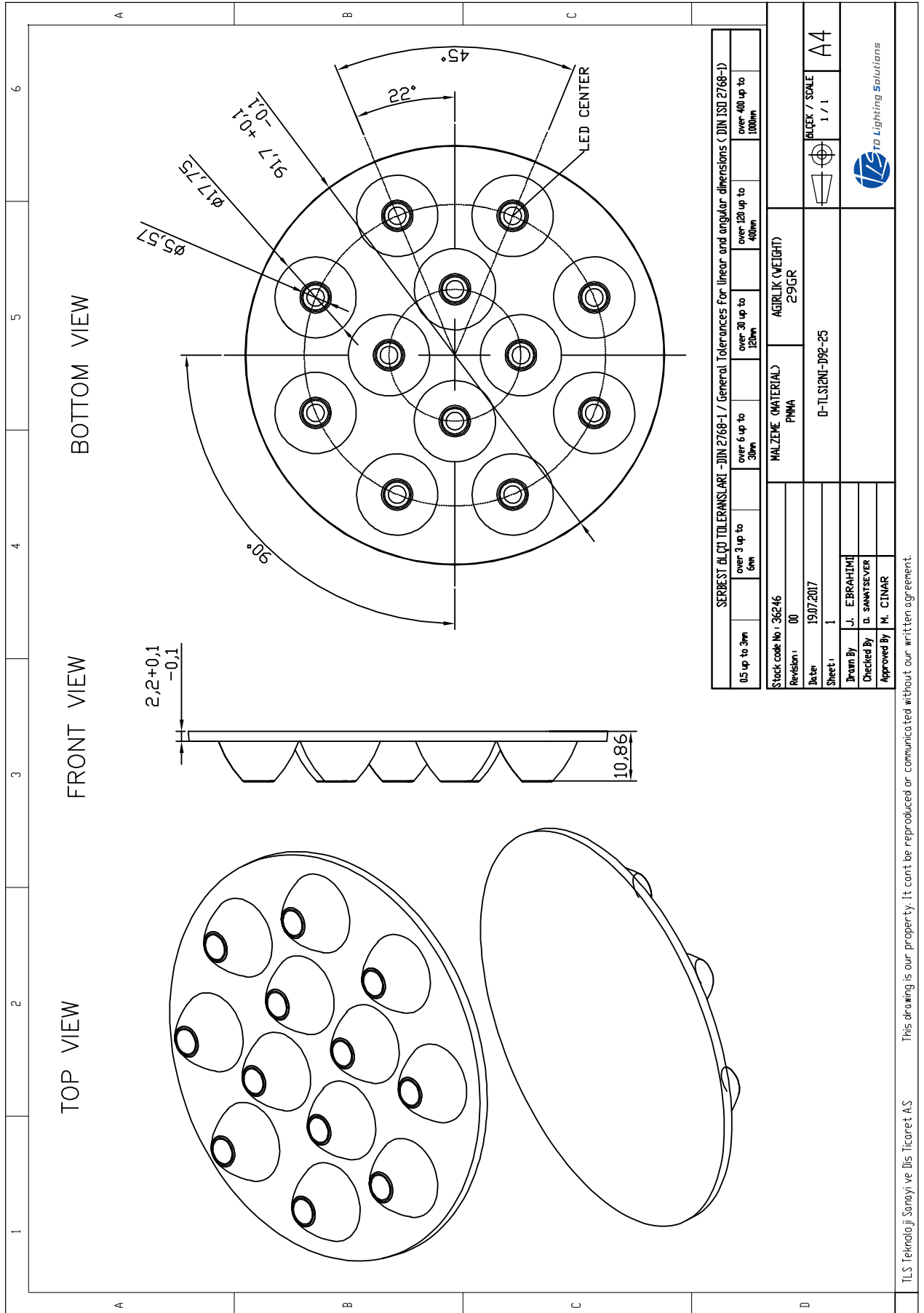
PHOTOMETRIC SPECIFICATIONS



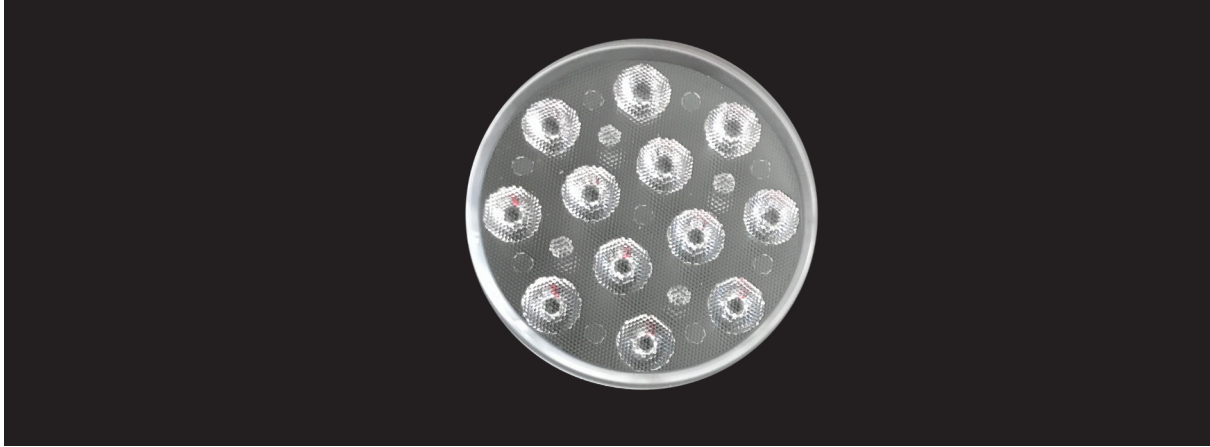
APPLICATION NOTES

- Please use a litter water and soft fabric (air-laid paper) to clean the lens & reflector if necessary.
- Forbid to use industrial solvent to clean the lens, such as alcohol.
- The working temperature is -25°C~+80°C.
- Storage environment temperature is 0°C~40°C,humidity is 30%~95%.
- Optic Lens has the function to change the ray of light, it is made of optical material, the effect shall be influenced once pollute. Please do not open the packing before use it,to avoid the dust pollution.
- Protect the product from the sun and other ultraviolet ray, as these will lead to aging, change color, crack, etc.
- Please ware gloves once install the lens, avoid to abrasion the lens surface.
- Forbid to use acidic or alkaline solution touch the product, avoid to generate the chemical reactions.

MECHANICAL DRAWINGS



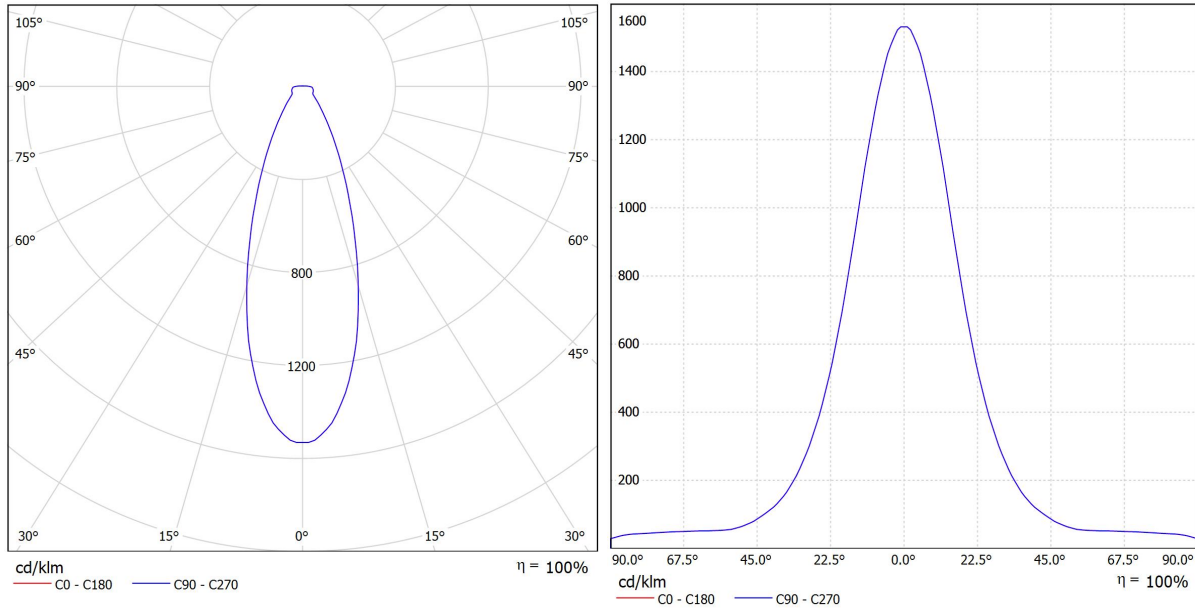
PRODUCT PICTURE



GENERAL SPECIFICATIONS

Product Code	O-TLS12NI-D92-40
Description	Downlight,Spotlight
Degree (FWHM)	36
Efficiency	91%
Type	Multi Lens
Diameter	Φ92mm
Height	16.2mm
Material	PMMA
Box Size (mm) WxLxH	320x245x115
Box Quantity	96
Box Weight (g)	400
Rohs Complaint	Yes
Operating Temperature	-40 ° C ~ + 80 ° C max
Storage Temperature	0 ° C ~ 40 ° C max

PHOTOMETRIC SPECIFICATIONS



APPLICATION NOTES

- Please use a litter water and soft fabric (air-laid paper) to clean the lens & reflector if necessary.
- Forbid to use industrial solvent to clean the lens, such as alcohol.
- The working temperature is -25°C~+80°C.
- Storage environment temperature is 0°C~40°C, humidity is 30%~95%.
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