

LIMBUS

CONTROL YOUR LIGHT

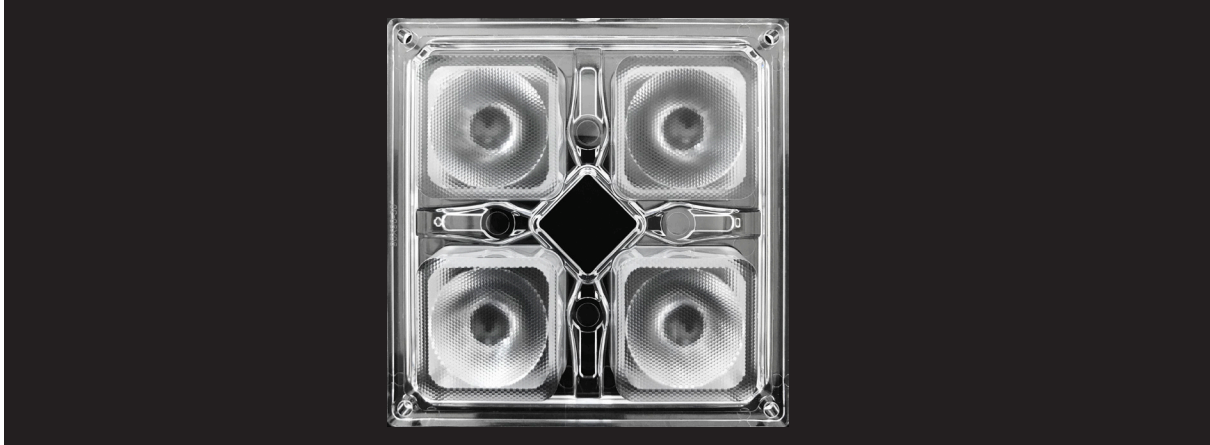


BY  *TD Lighting Solutions*

TLS04NI 9090 Series

FAMILY DATASHEET

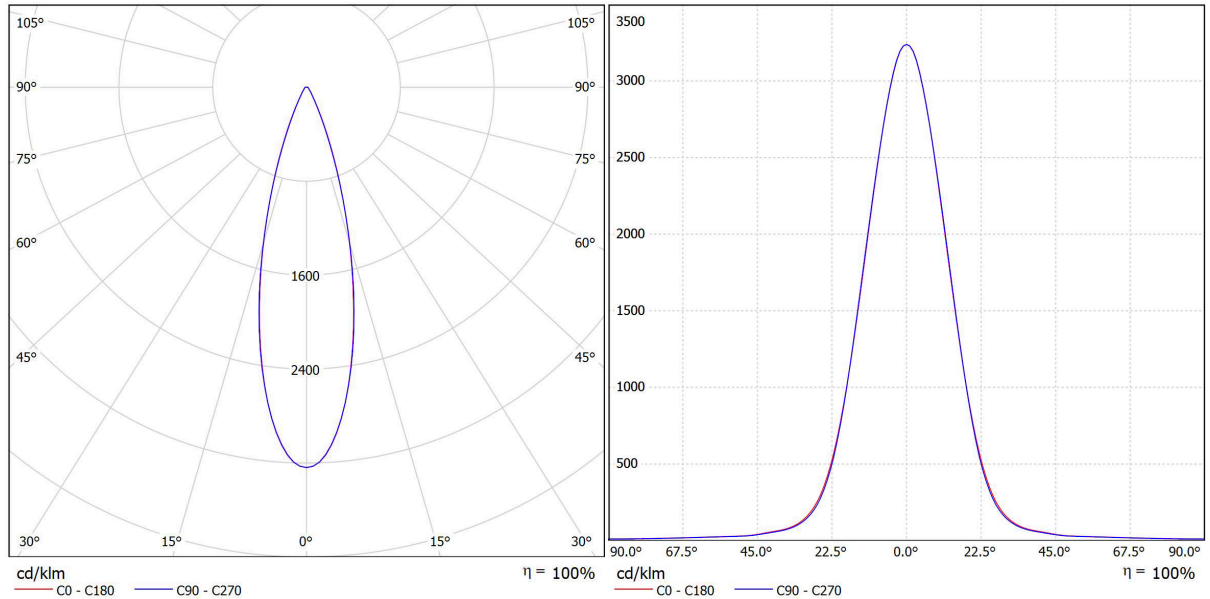
PRODUCT PICTURE



GENERAL SPECIFICATIONS

Product Code	TLS04NI-9090-30
Description	Street lighting
Degree (FWHM)	28
Efficiency	92%
Type	Multi Lens
Size (mm) W x L x H	90X90X9
Material	PC
Fastening	Screw
Box Size (mm) WxLxH	320x245x115
Box Weight (g)	400
Rohs Complaint	Yes
Operating Temperature	-35 ° C ~ + 120 ° C max
Storage Temperature	0 ° C ~ 40 ° C max
Compatible LED MODULE	X-MS9090NCxx-NV4L144ART-4

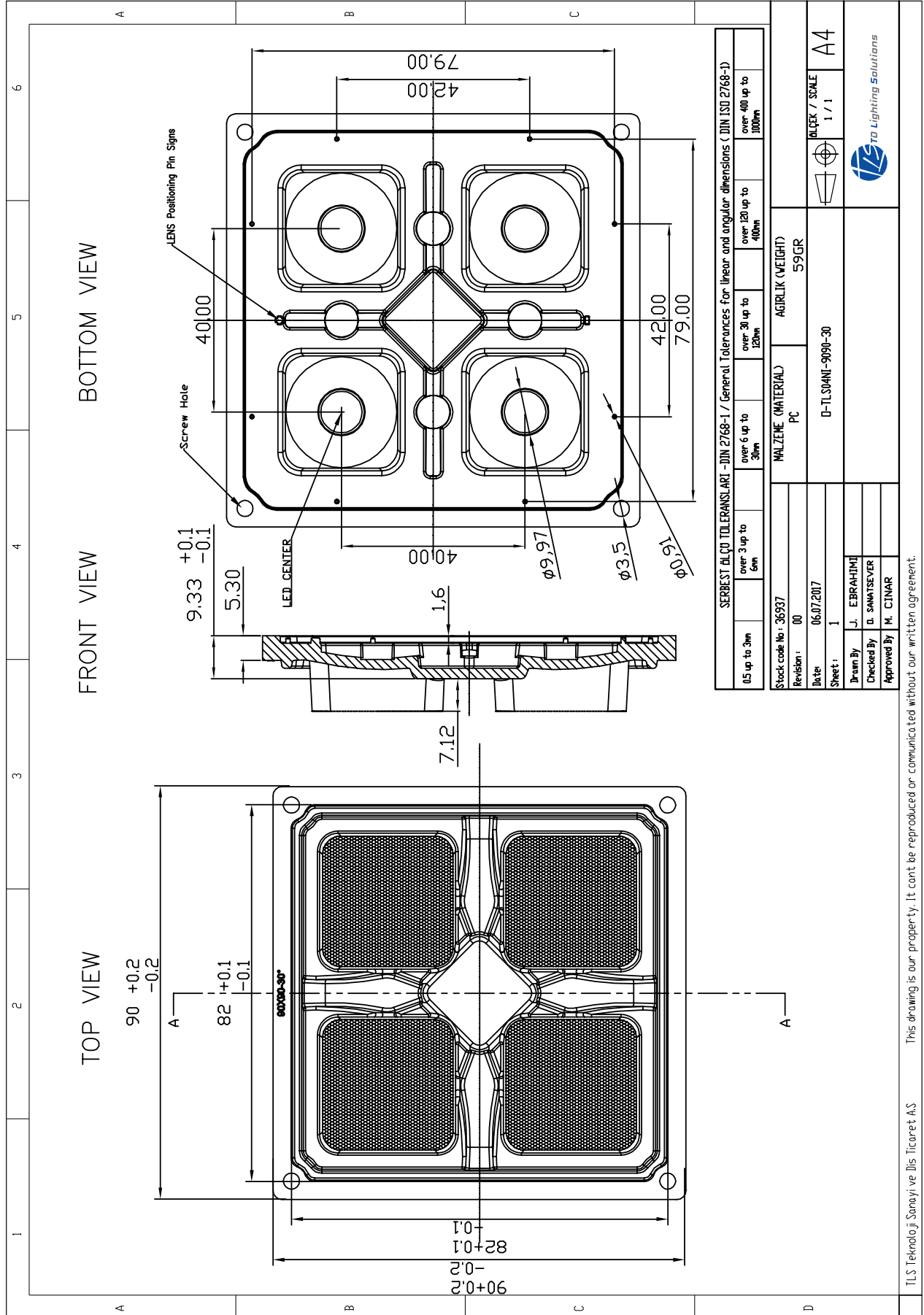
PHOTOMETRIC SPECIFICATIONS



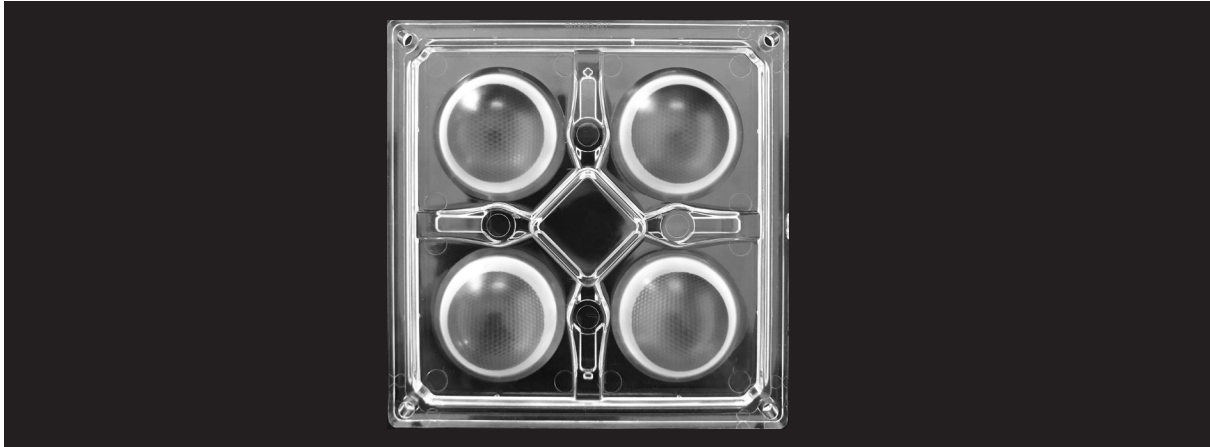
APPLICATION NOTES

- 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



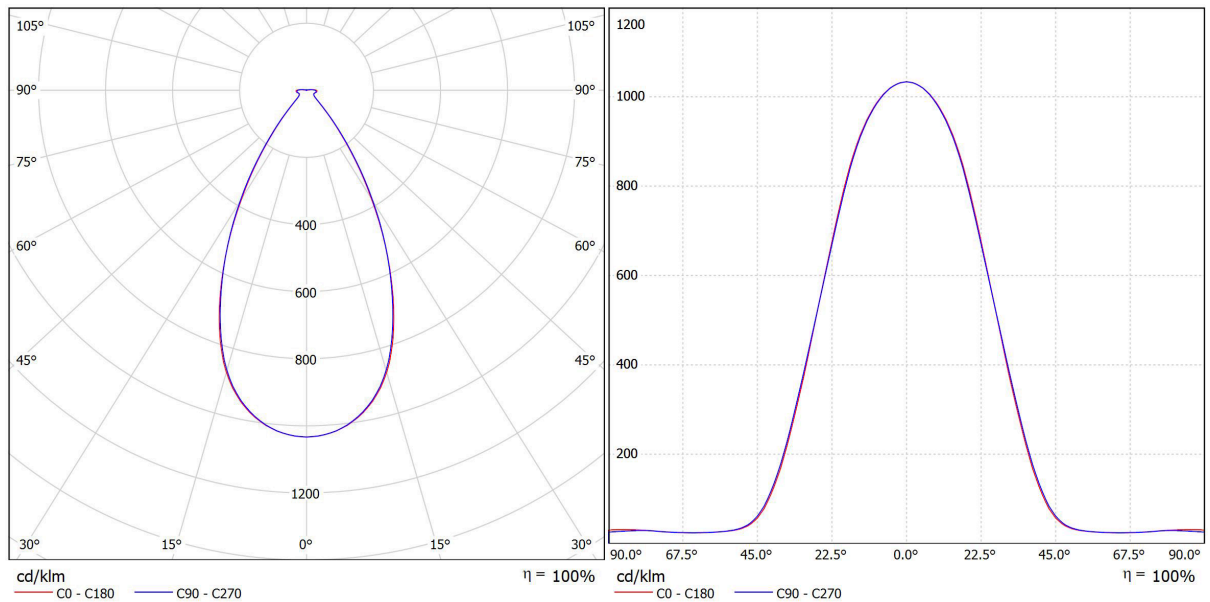
PRODUCT PICTURE



GENERAL SPECIFICATIONS

Product Code	TLS04NI-9090-60
Description	Street lighting
Degree (FWHM)	56
Efficiency	92%
Type	Multi Lens
Size (mm) W x L x H	90X90X9,3
Material	PC
Fastening	Screw
Box Size (mm) WxLxH	320x245x115
Box Weight (g)	400
Rohs Complaint	Yes
Operating Temperature	-35 ° C ~ + 120 ° C max
Storage Temperature	0 ° C ~ 40 ° C max
Compatible LED MODULE	X-MS9090NCxx-NV4L144ART-4

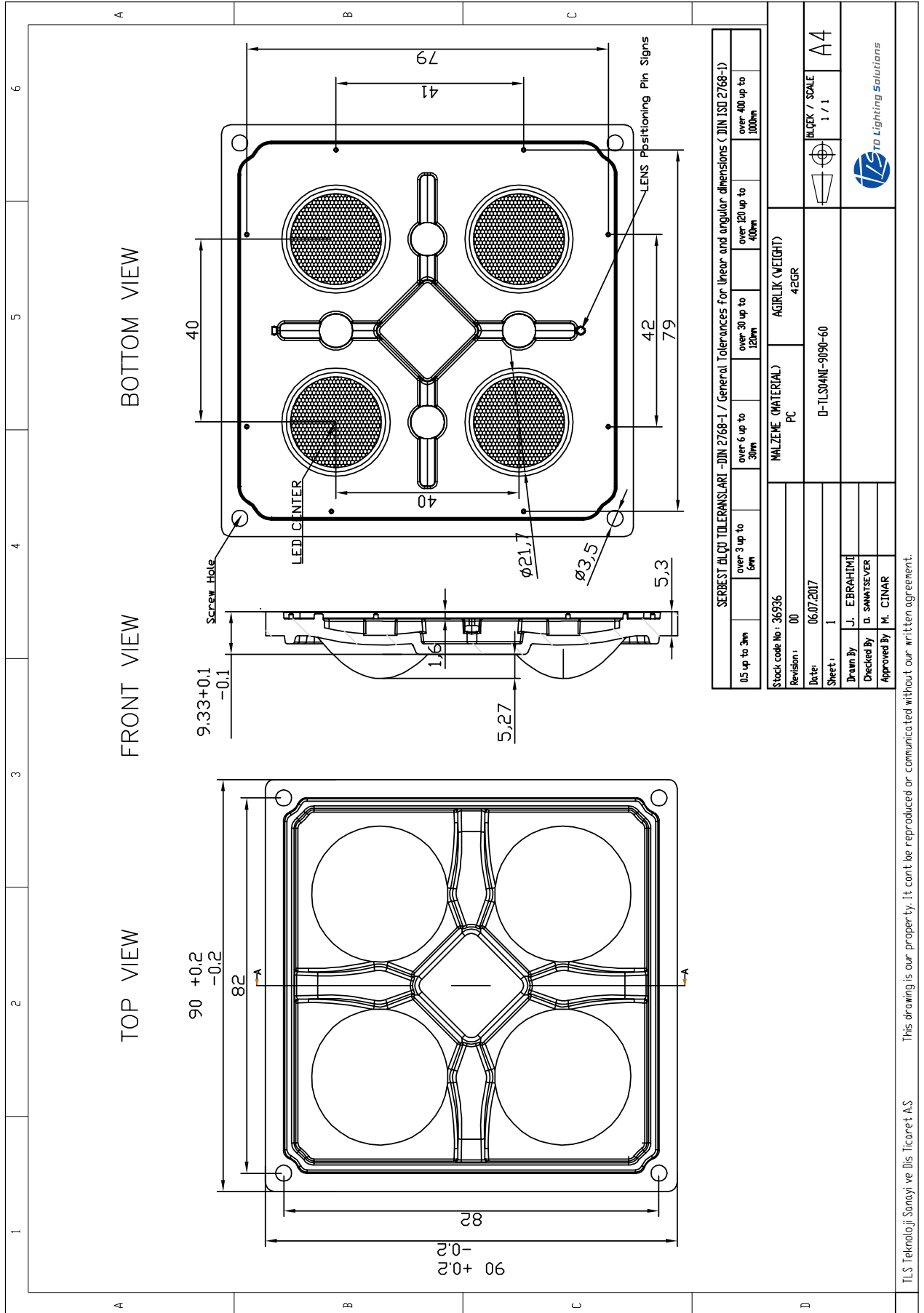
PHOTOMETRIC SPECIFICATIONS



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



This drawing is our property. It can't be reproduced or communicated without our written agreement.

TLS Teknoloji Sanayi ve Ticaret A.Ş.

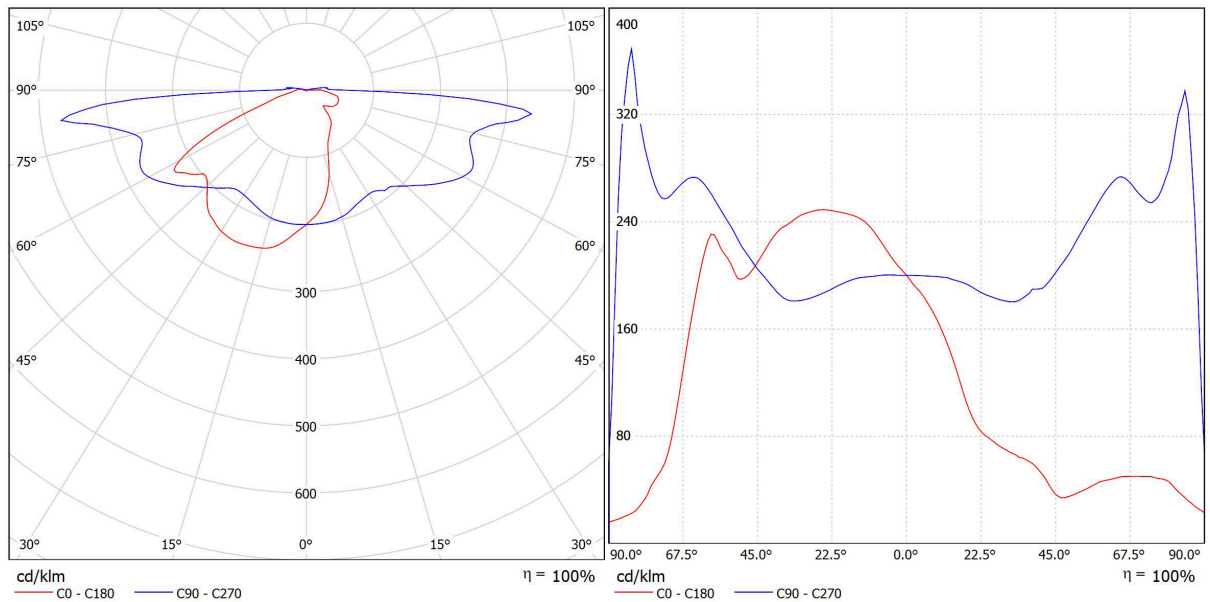
PRODUCT PICTURE



GENERAL SPECIFICATIONS

Product Code	O-TLS04NI-9090-80x157
Description	Street lighting
Degree (FWHM)	100
Efficiency	92%
Type	Multi Lens
Size (mm) W x L x H	90X90X13.5
Material	PMMA
Fastening	Screw
Box Size (mm) WxLxH	320x245x115
Box Weight (g)	400
Rohs Complaint	Yes
Operating Temperature	-40 ° C ~ + 80 ° C max
Storage Temperature	0 ° C ~ 40 ° C max
Compatible LED MODULE	X-MS9090NCxx-NV4L144ART-4

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.

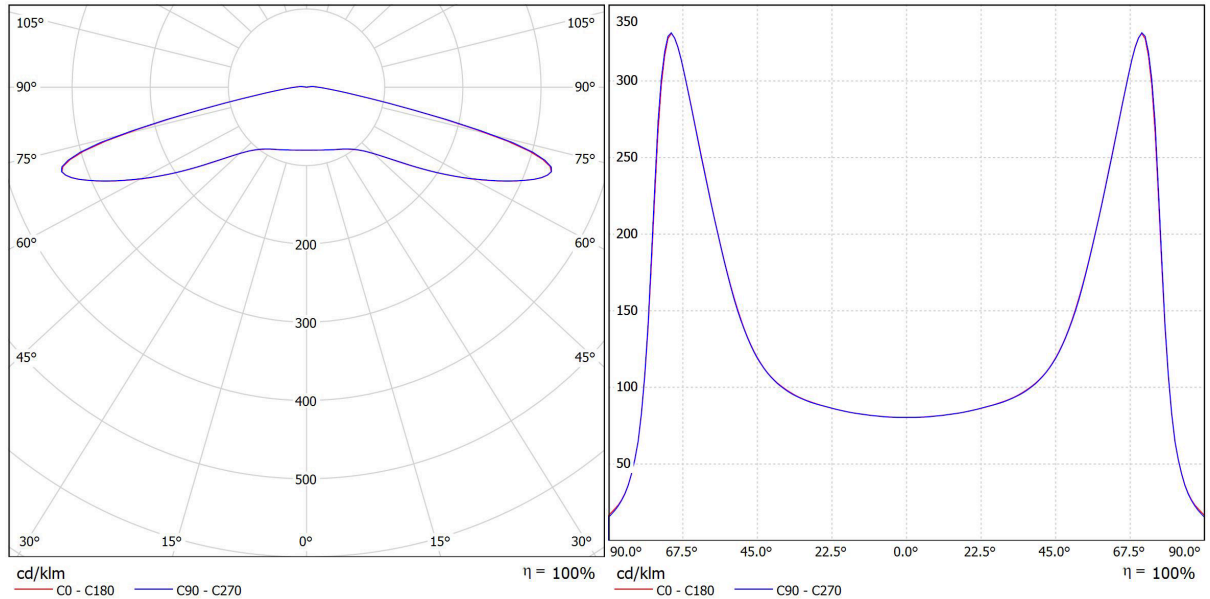
PRODUCT PICTURE



GENERAL SPECIFICATIONS

Product Code	TLS04NI-9090-150
Description	Street lighting
Degree (FWHM)	156
Efficiency	92%
Type	Multi Lens
Size (mm) W x L x H	90X90X9,3
Material	PMMA
Fastening	Screw
Box Size (mm) WxLxH	320x245x115
Box Weight (g)	400
Rohs Complaint	Yes
Operating Temperature	-35 ° C ~ + 120 ° C max
Storage Temperature	0 ° C ~ 40 ° C max
Compatible LED MODULE	X-MS9090NCxx-NV4L144ART-4

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.

