

LIMBUS

CONTROL YOUR LIGHT

BY  *TD Lighting Solutions*



TLS16NI 5050 Series

FAMILY DATASHEET

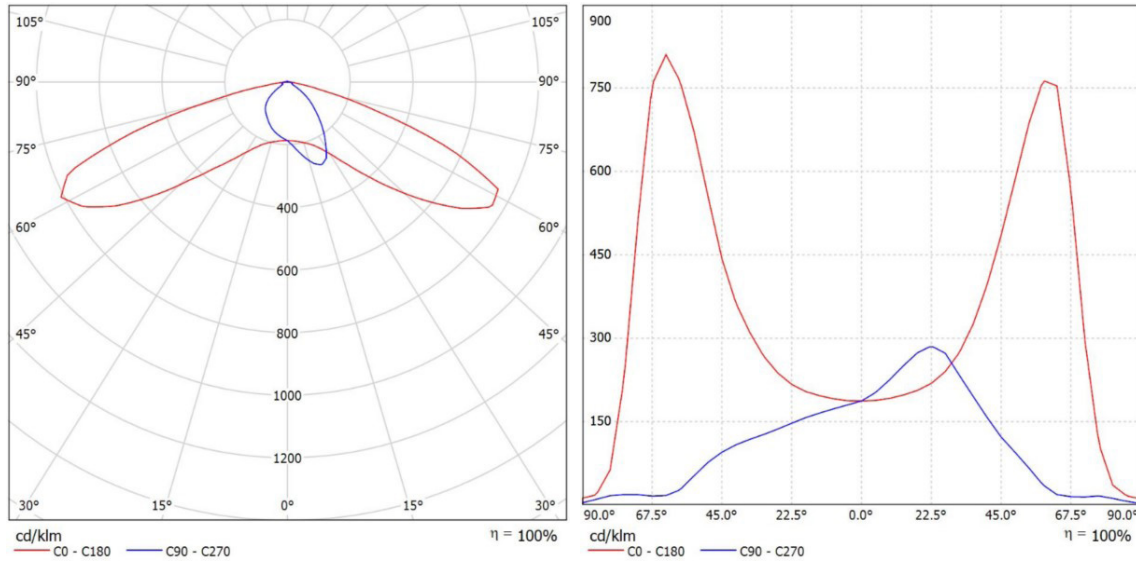
PRODUCT PICTURE



GENERAL SPECIFICATIONS

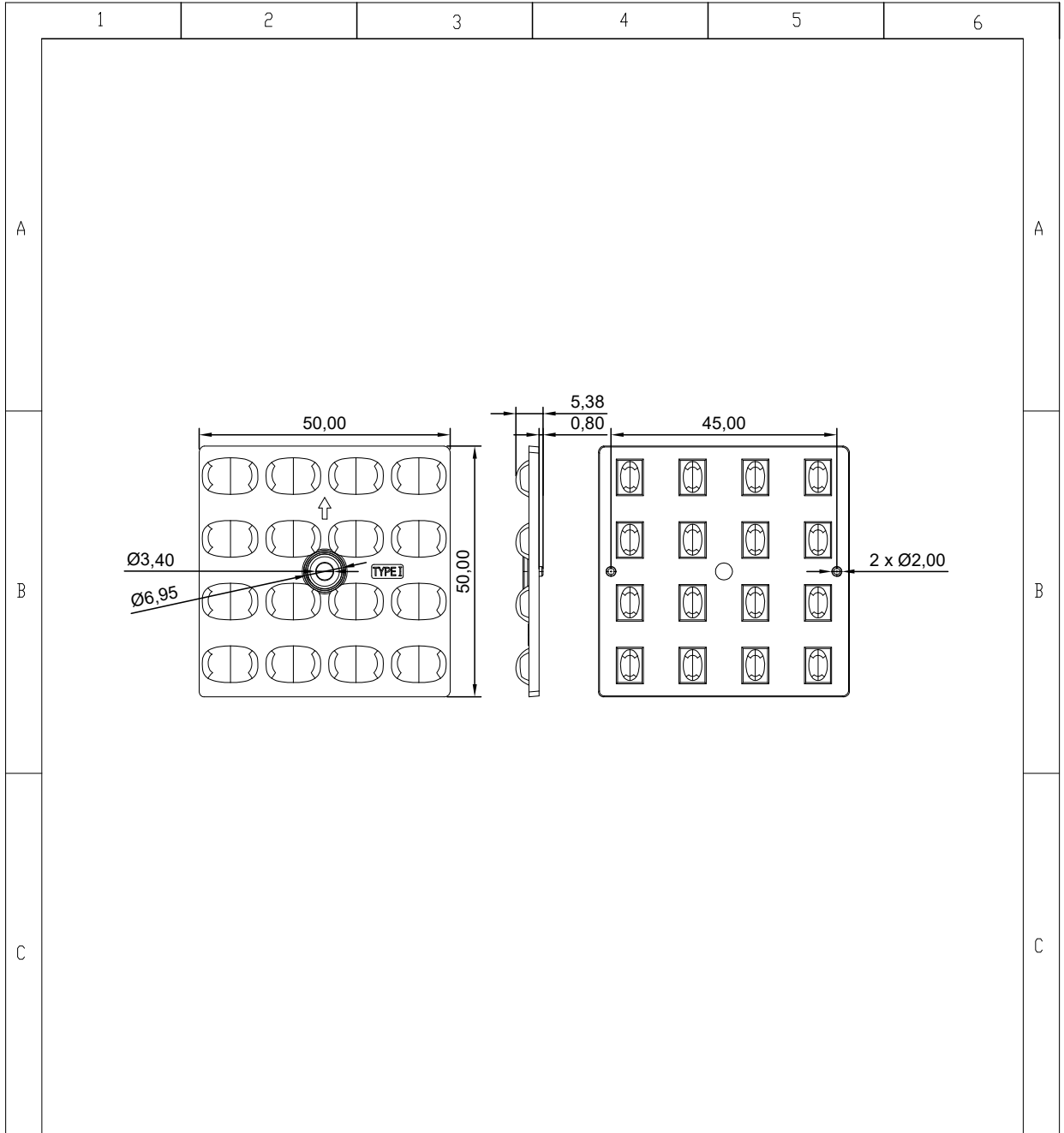
Product Code	TLS16NI-5050-TP1
Description	Street Lighting
Degree (FWHM)	ASYM
Efficiency	92%
Type	4x4
Size (mm) W x L x H	50x50x6.18
Material / Operating Temp.	PMMA -40 ° C / +90 ° C max - PC -40 ° C / +110 ° C max
Fastening	Screw
Rohs Complaint	Yes
Storage Temperature	0 ° C ~ 40 ° C max

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.
- 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.



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	PC	7,09 g		
Date	26.02.2024	NAME : TLS16NI-5050-TP1			OLÇEK / SCALE 1 / 1
Sheet					
Drawn By	Esra GENC				
Checked By	Ibrahim OKMEN				
Approved By	--				

TLS Teknoloji Sanayi ve Dis Ticaret A.S

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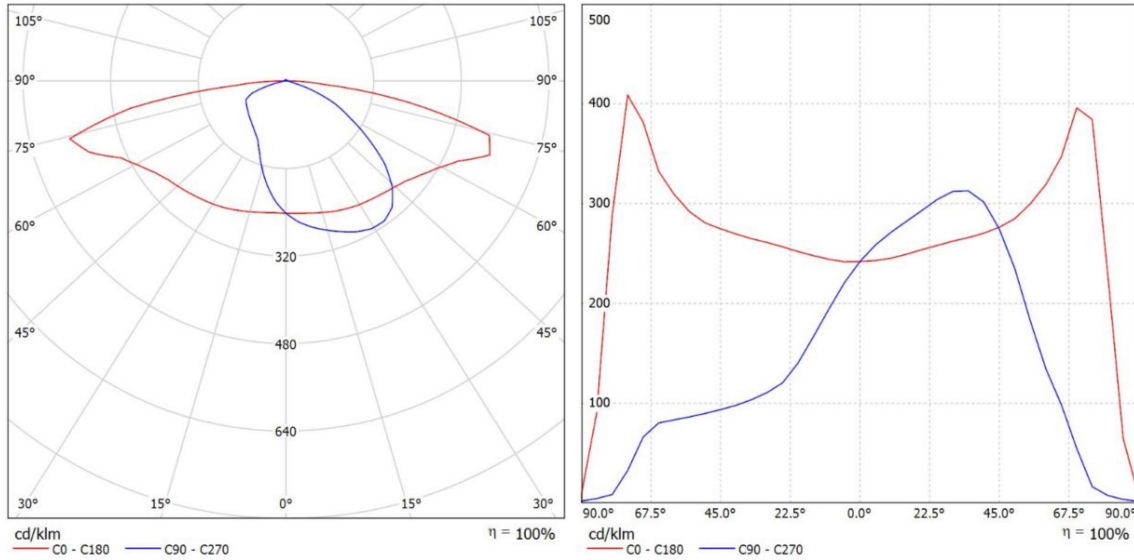
PRODUCT PICTURE



GENERAL SPECIFICATIONS

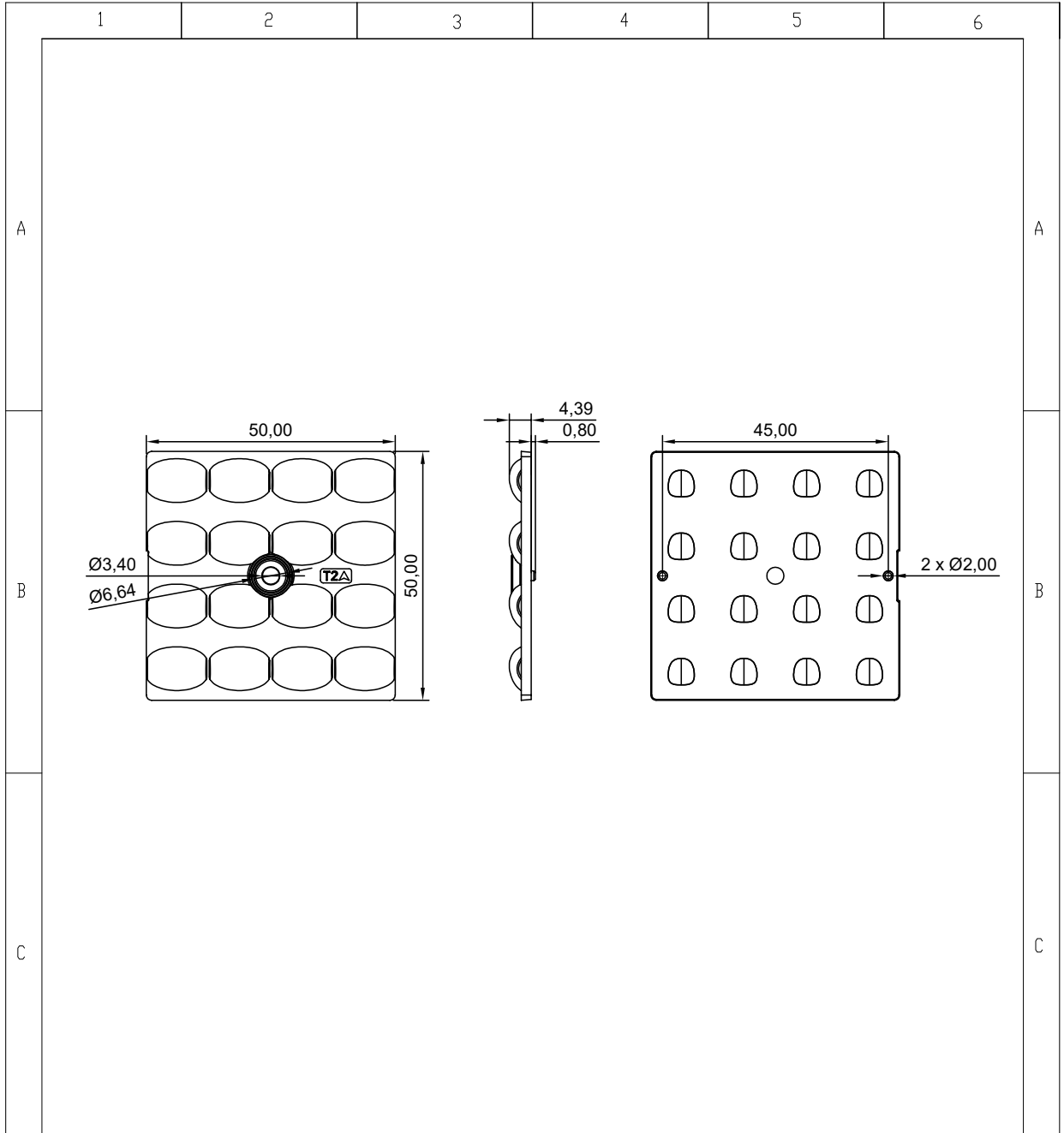
Product Code	TLS16NI-5050-TP2
Description	Street Lighting
Degree (FWHM)	ASYM
Efficiency	92%
Type	4x4
Size (mm) W x L x H	50x50x5.19
Material / Operating Temp.	PMMA -40 ° C / +90 ° C max - PC -40 ° C / +110 ° C max
Fastening	Screw
Rohs Complaint	Yes
Storage Temperature	0 ° C ~ 40 ° C max

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.
- 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.



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	PC	7,61 g		
Date	26.02.2024	NAME : TLS16NI-5050-TP2			OLÇEK / SCALE 1 / 1
Sheet					
Drawn By	Esra GENC				
Checked By	Ibrahim OKMEN				
Approved By	--				

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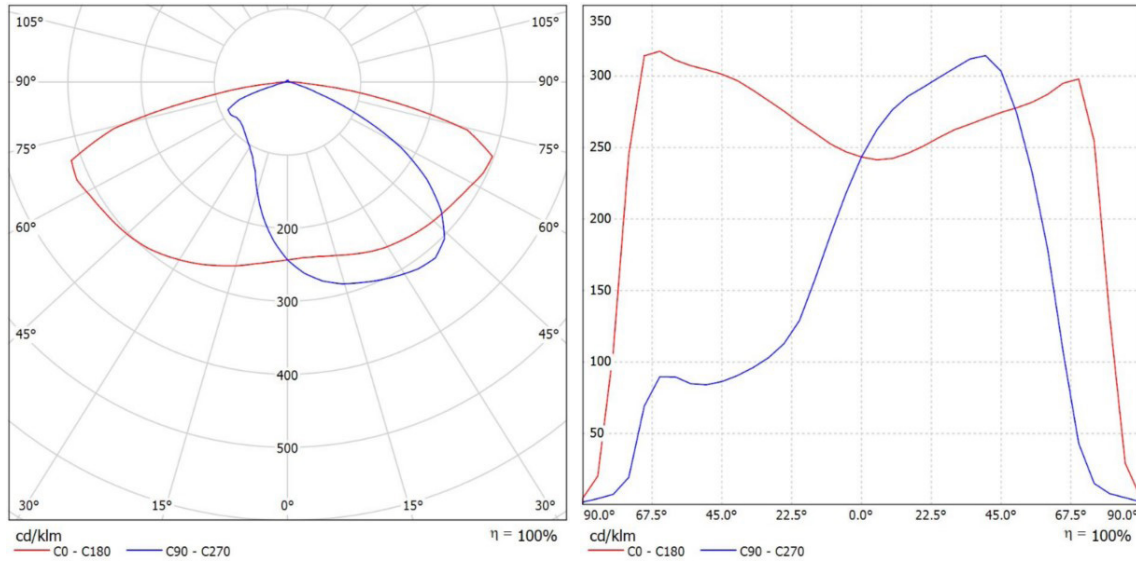
PRODUCT PICTURE



GENERAL SPECIFICATIONS

Product Code	TLS16NI-5050-TP3
Description	Street Lighting
Degree (FWHM)	ASYM
Efficiency	92%
Type	4x4
Size (mm) W x L x H	50x50x5.18
Material / Operating Temp.	PMMA -40 ° C / +90 ° C max - PC -40 ° C / +110 ° C max
Fastening	Screw
Rohs Complaint	Yes
Storage Temperature	0 ° C ~ 40 ° C max

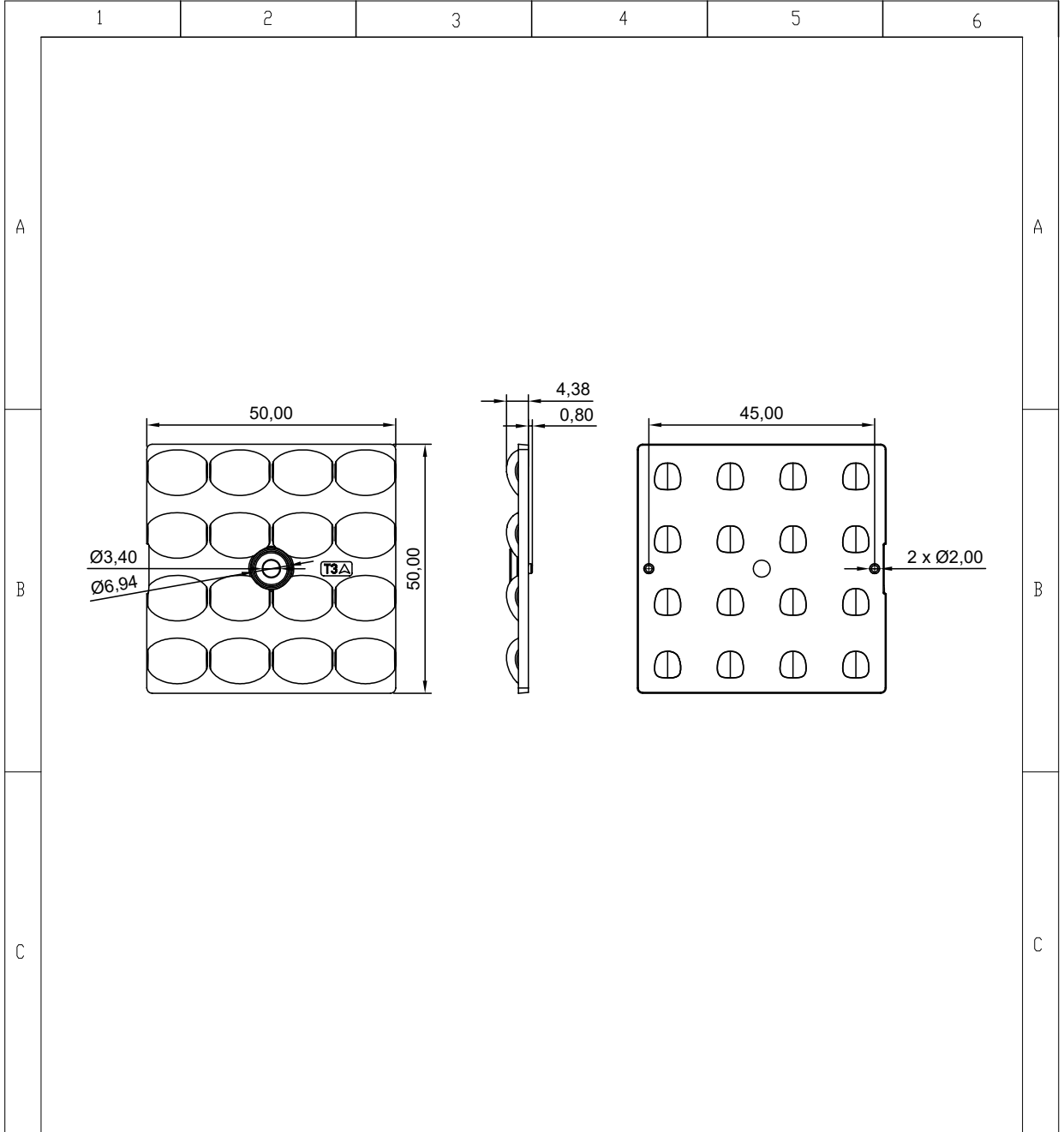
PHOTOMETRIC SPECIFICATIONS



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.
- 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.
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- 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



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	PC	8,11 g		
Date	26.02.2024	NAME : TLS16NI-5050-TP3		OLÇEK / SCALE 1 / 1	A4
Sheet					
Drawn By	Esra GENC				
Checked By	Ibrahim OKMEN				
Approved By	--				

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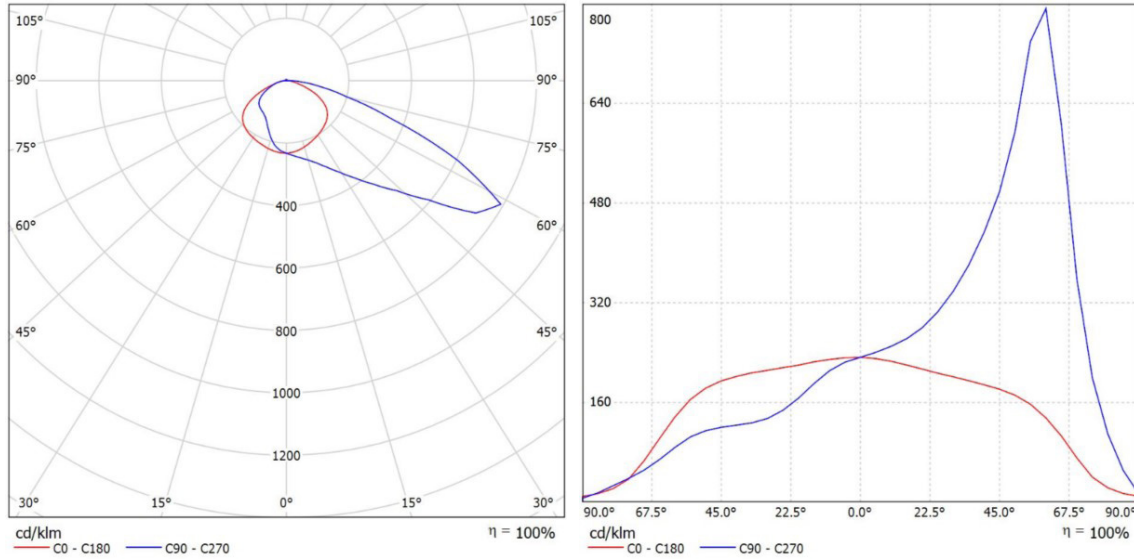
PRODUCT PICTURE



GENERAL SPECIFICATIONS

Product Code	TLS16NI-5050-TP4
Description	Street Lighting
Degree (FWHM)	ASYM
Efficiency	92%
Type	4x4
Size (mm) W x L x H	50x50x5.90
Material / Operating Temp.	PMMA -40 ° C / +90 ° C max - PC -40 ° C / +110 ° C max
Fastening	Screw
Rohs Complaint	Yes
Storage Temperature	0 ° C ~ 40 ° C max

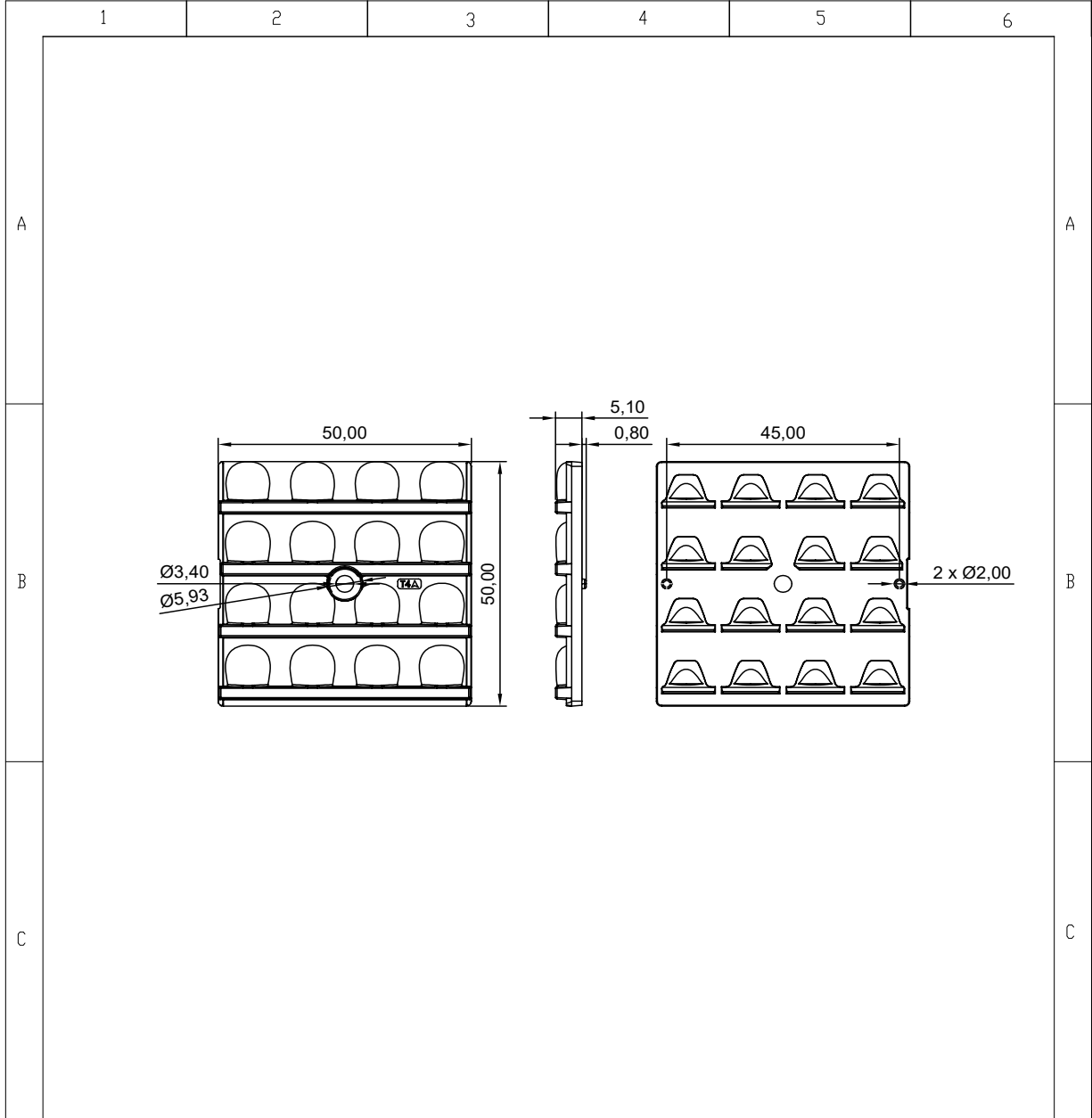
PHOTOMETRIC SPECIFICATIONS



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.
- 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.
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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)	AGIRLIK (WEIGHT)		
Revision	00	PC	8,66 g		
Date	26.02.2024	NAME : TLS16NI-5050-TP4		OLÇEK / SCALE 1 / 1	A4
Sheet					
Drawn By	Esra GENÇ				
Checked By	İbrahim OKMEN				
Approved By	--				

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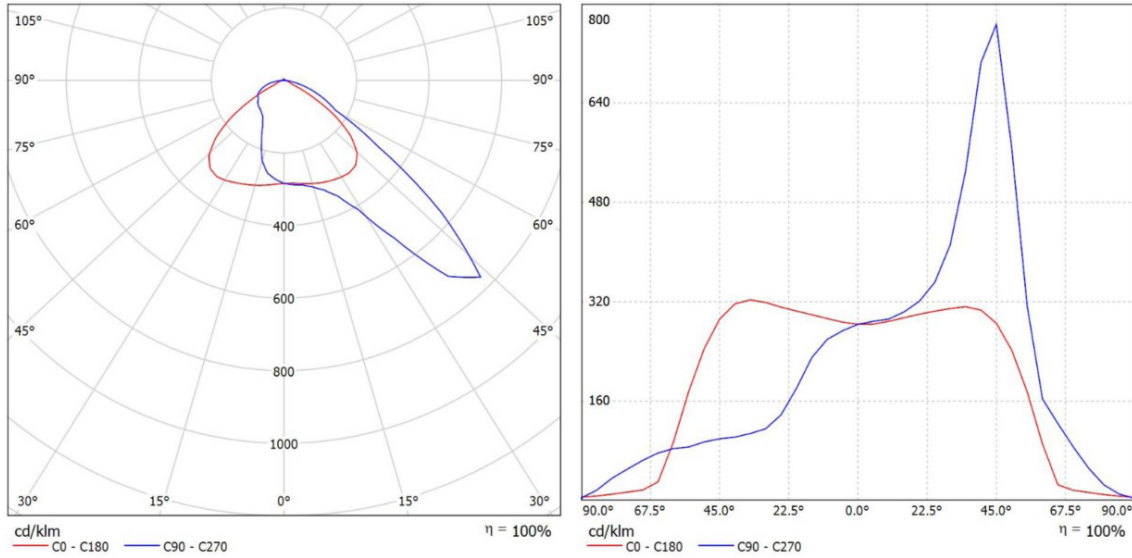
PRODUCT PICTURE



GENERAL SPECIFICATIONS

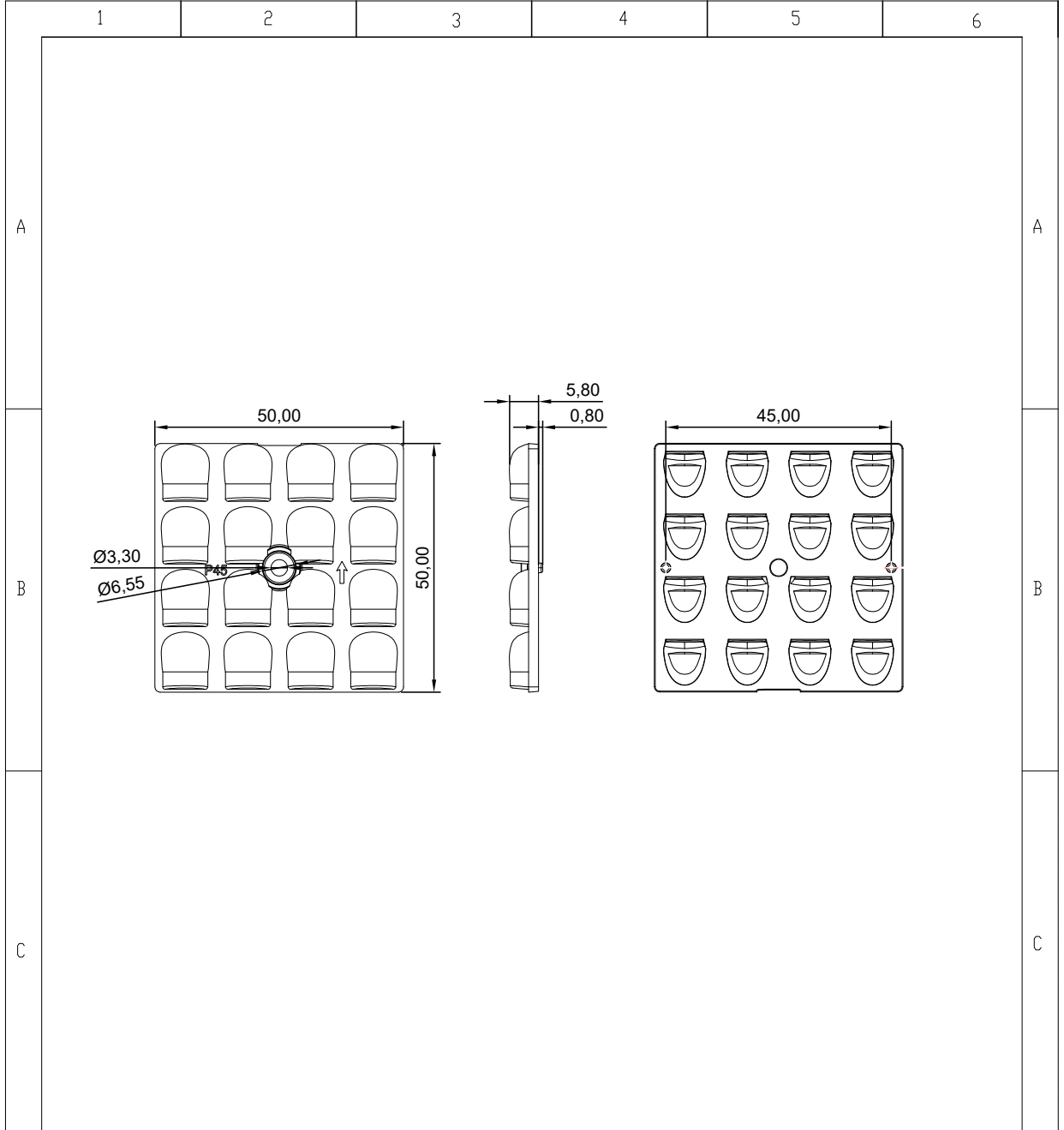
Product Code	TLS16NI-5050-PX
Description	Street Lighting
Degree (FWHM)	ASYM
Efficiency	92%
Type	4x4
Size (mm) W x L x H	50x50x6.6
Material / Operating Temp.	PMMA -40 ° C / +90 ° C max - PC -40 ° C / +110 ° C max
Fastening	Screw
Rohs Complaint	Yes
Storage Temperature	0 ° C ~ 40 ° C max

PHOTOMETRIC SPECIFICATIONS



APPLICATION NOTES

- Please use a litter water and soft fabric (air-laid paper) to clean the lens & reflector if necessary.
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- 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.
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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	PC	9,27 g		
Date	26.02.2024	NAME : TLS16NI-5050-PX			OLÇEK / SCALE 1 / 1
Sheet					
Drawn By	Esra GENC				
Checked By	Ibrahim OKMEN				
Approved By	--				

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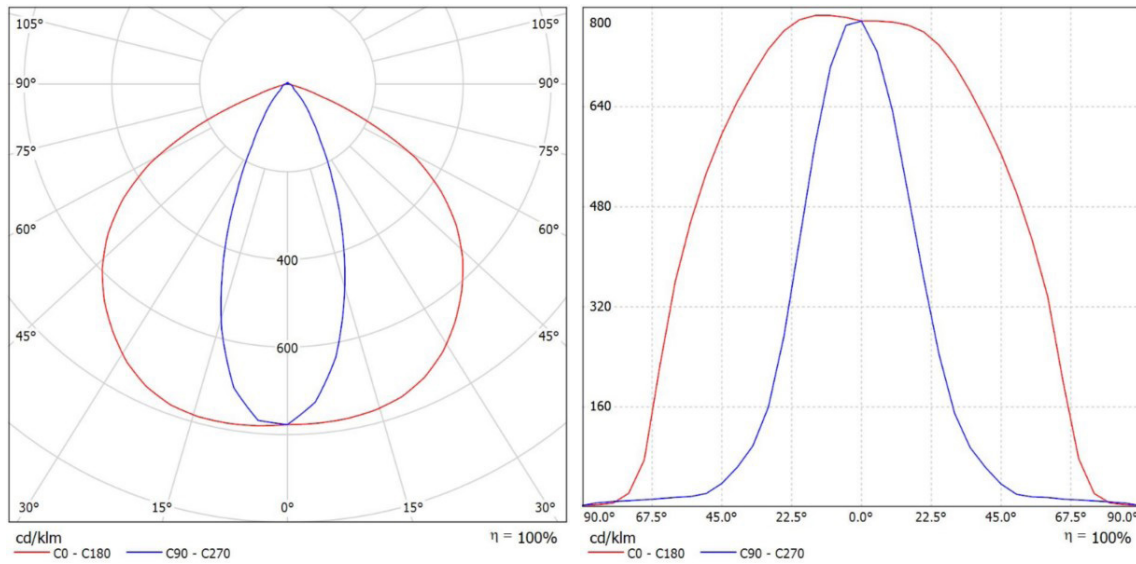
PRODUCT PICTURE



GENERAL SPECIFICATIONS

Product Code	TLS16NI-5050-STL-40x110
Description	Street Lighting
Degree (FWHM)	ASYM
Efficiency	92%
Type	4x4
Size (mm) W x L x H	50x50x6.6
Material / Operating Temp.	PMMA -40 ° C / +90 °C max - PC -40 ° C / +110 °C max
Fastening	Screw
Rohs Complaint	Yes
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.
- 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.
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- 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.

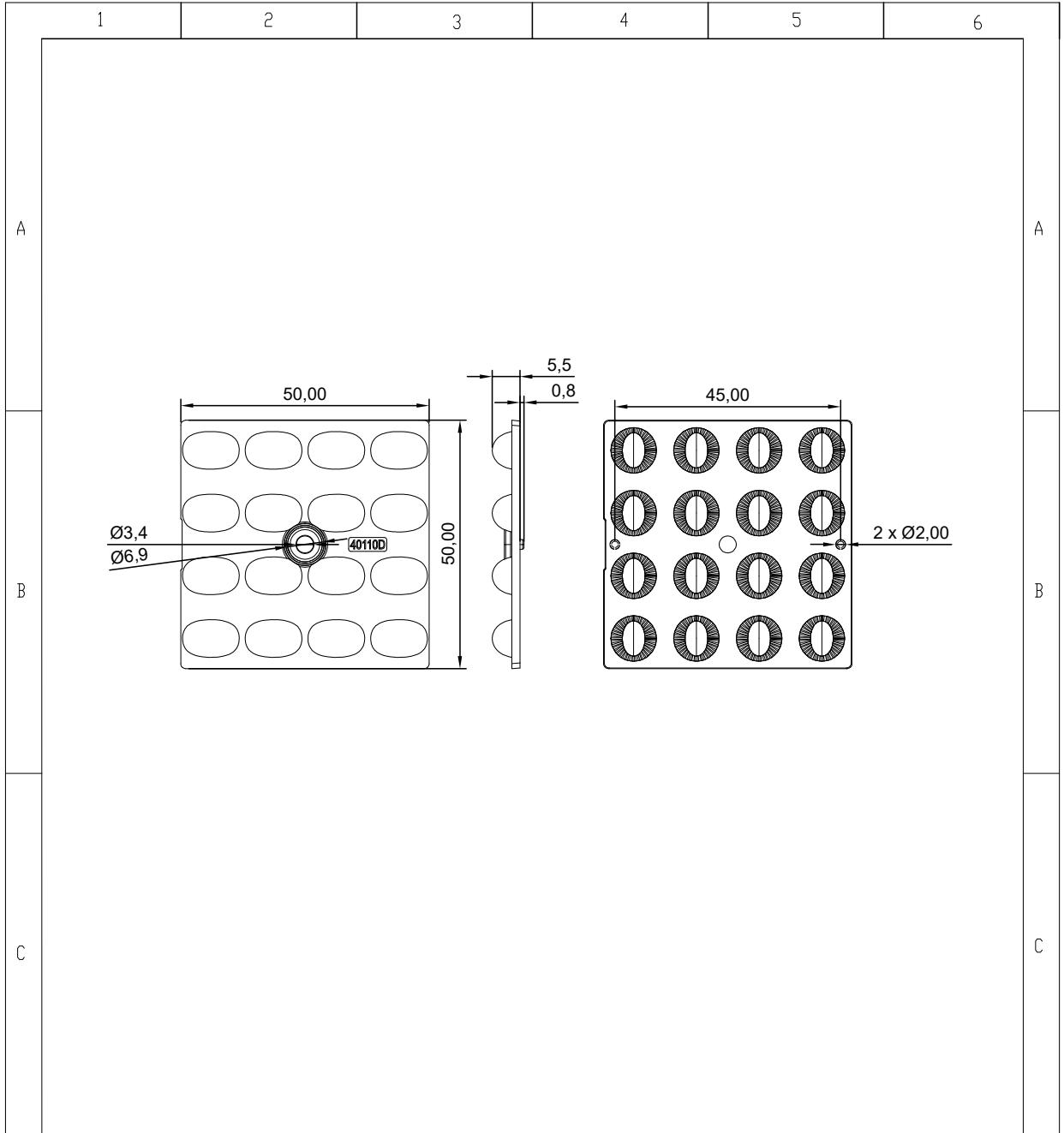
TLS16NI-5050-STL-40x110

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MECHANICAL DRAWINGS



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

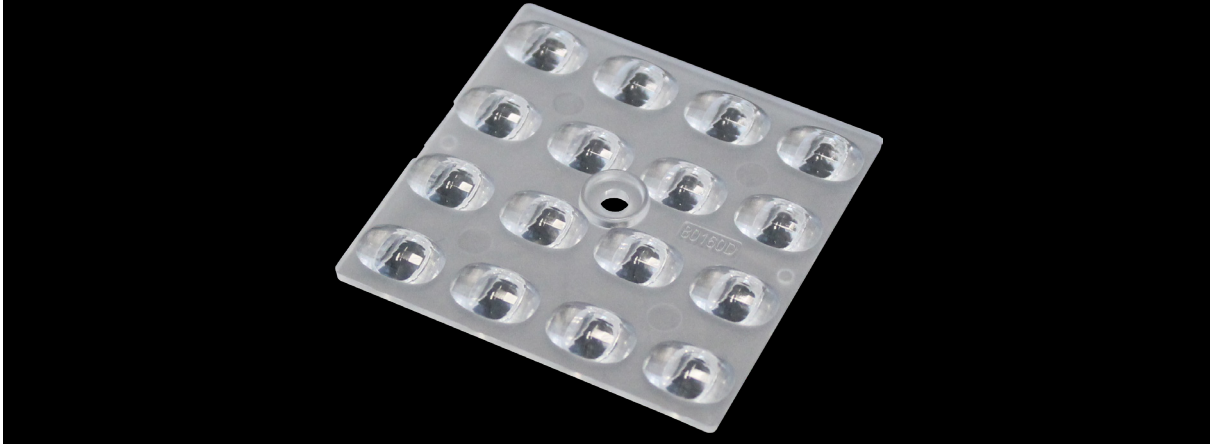
0.5 up to 3mm	over 3 up to 6mm	over 6 up to 30mm	over 30 up to 120mm	over 120 up to 400mm	over 400 up to 1000mm
± 0.1	± 0.1	± 0.2	± 0.3	± 0.5	± 0.8

Stock code No		MALZEME (MATERIAL)	AGIRLIK (WEIGHT)		
Revision	00	PC	6,96 g		
Date	26.02.2024	NAME : TLS16NI-5050-STL-40X110			OLÇEK / SCALE 1 / 1
Sheet					
Drawn By	Esra GENÇ				
Checked By	Ibrahim OKMEN				
Approved By	--				

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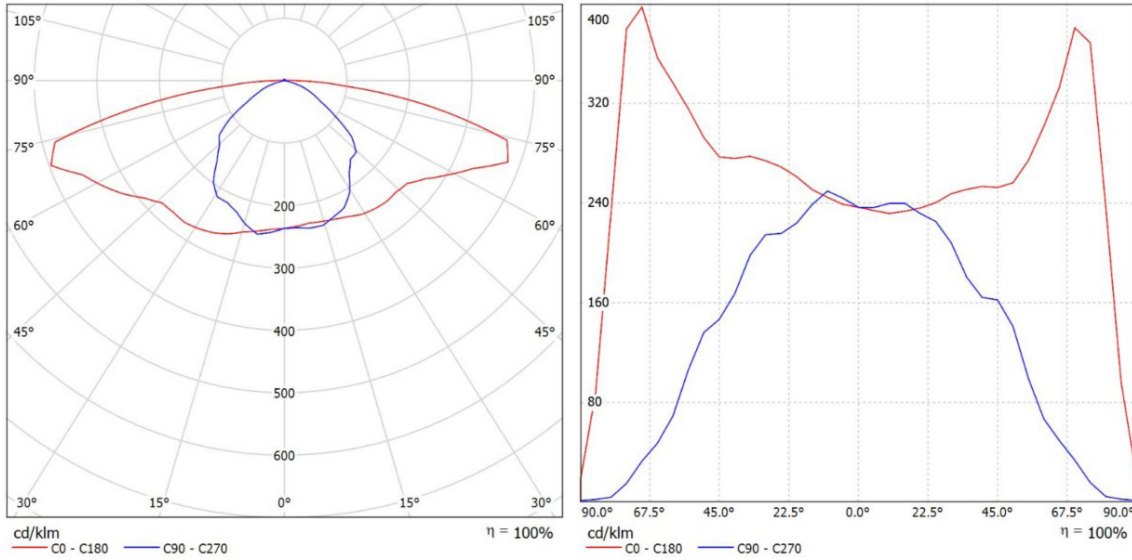
PRODUCT PICTURE



GENERAL SPECIFICATIONS

Product Code	TLS16NI-5050-STL-100x160
Description	HighBay
Degree (FWHM)	ASYM
Efficiency	92%
Type	4x4
Size (mm) W x L x H	50x50x4.3
Material / Operating Temp.	PMMA -40 ° C / +90 ° C max - PC -40 ° C / +110 ° C max
Fastening	Screw
Rohs Complaint	Yes
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.
- 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.

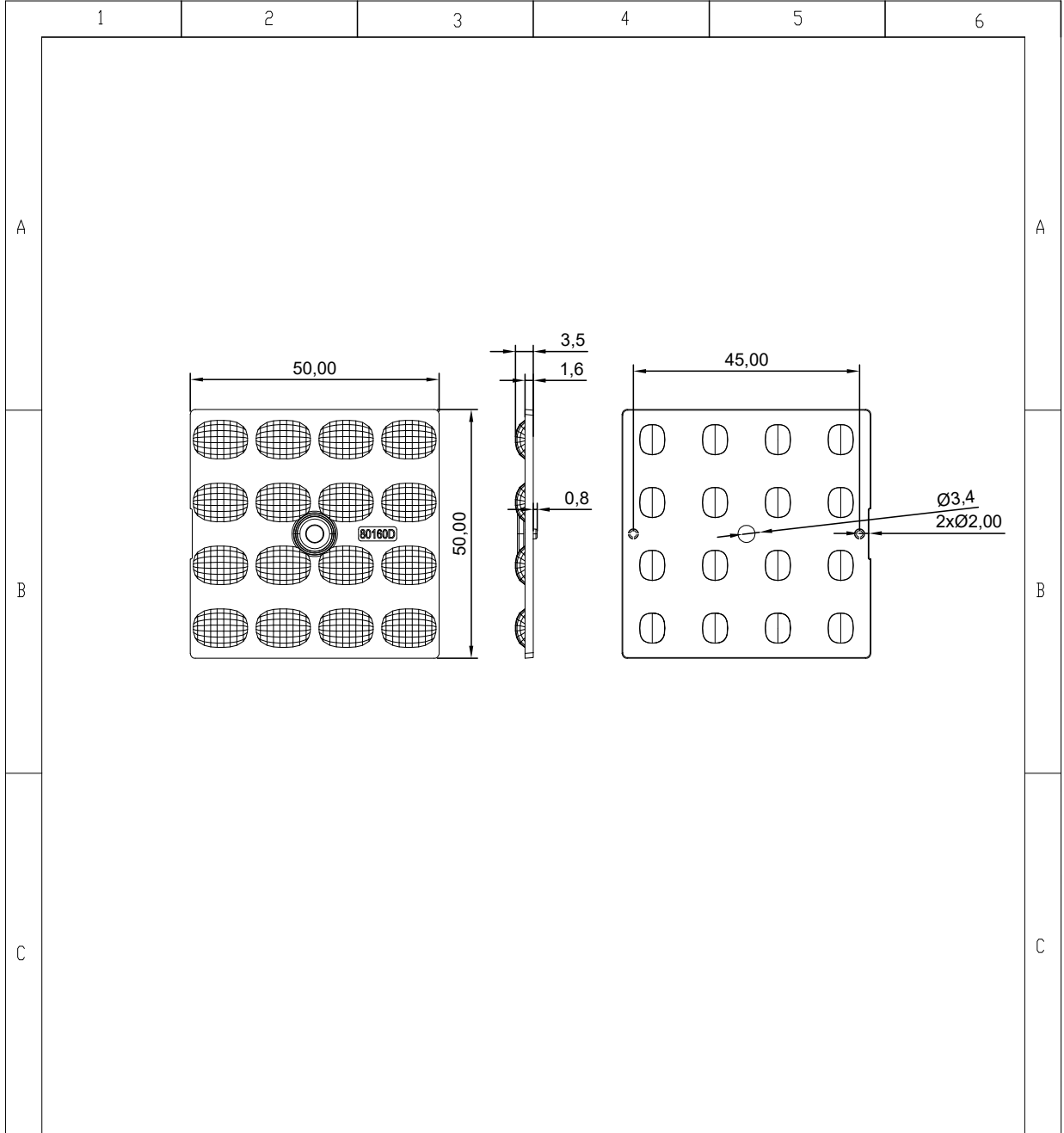
TLS16NI-5050-STL-100x160

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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)	AGIRLIK (WEIGHT)		
Revision	00	PC	5,71 g		
Date	27.02.2024	NAME : TLS16NI-5050-STL-100x160		OLÇEK / SCALE 1 / 1	A4
Sheet					
Drawn By	Sena KAYABAS				
Checked By	Ibrahim OKMEN				
Approved By	--				

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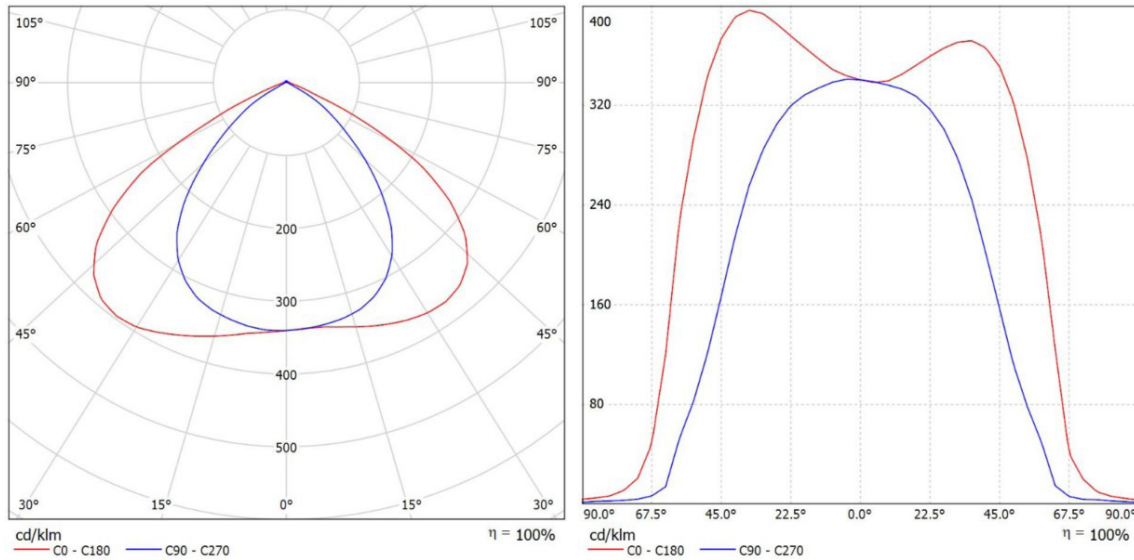
PRODUCT PICTURE



GENERAL SPECIFICATIONS

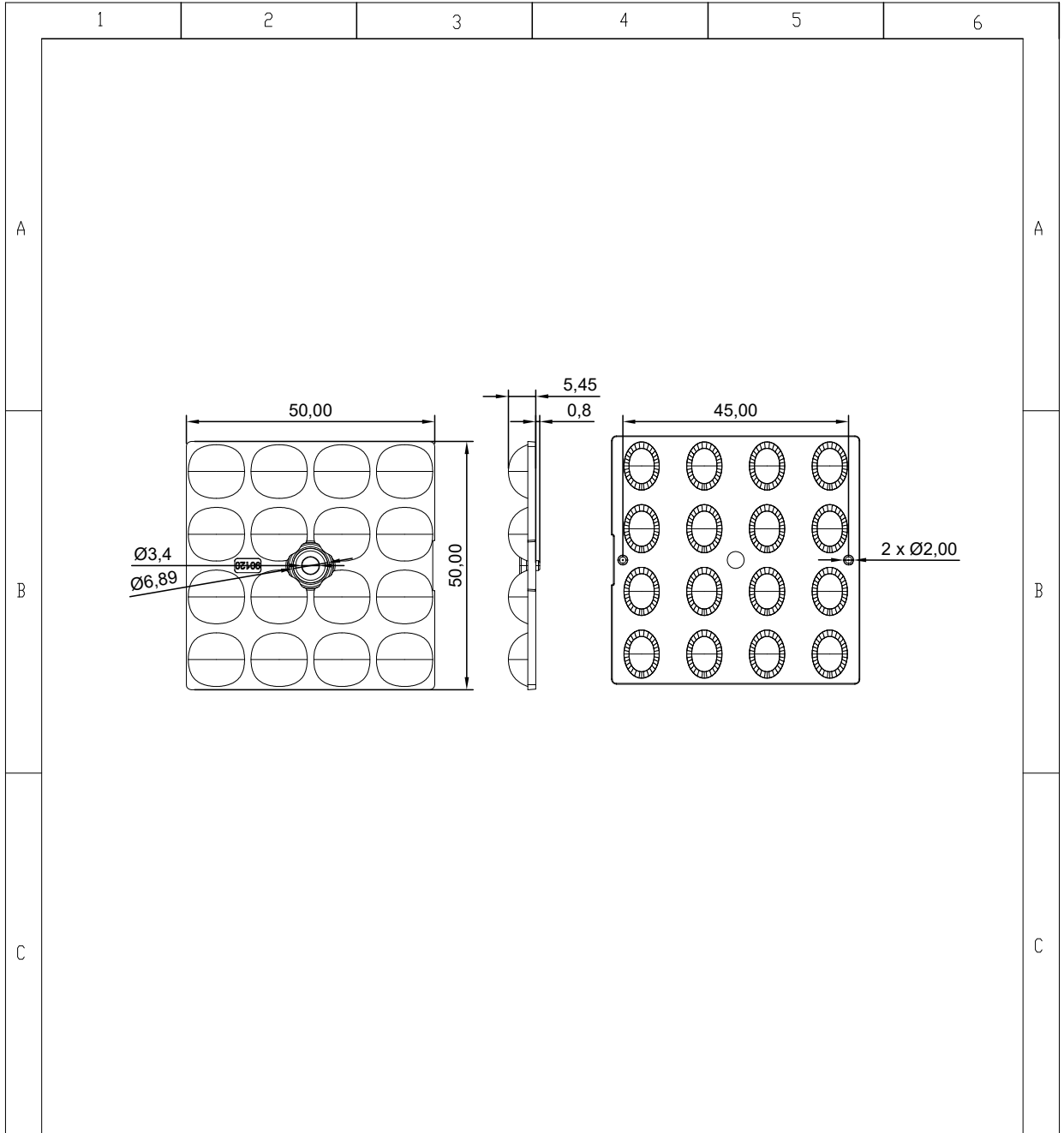
Product Code	TLS16NI-5050-STL-90x120
Description	Street Lighting
Degree (FWHM)	ASYM
Efficiency	92%
Type	4x4
Size (mm) W x L x H	50x50x6.25
Material / Operating Temp.	PMMA -40 ° C / +90 ° C max - PC -40 ° C / +110 ° C max
Fastening	Screw
Rohs Complaint	Yes
Storage Temperature	0 ° C ~ 40 ° C max

PHOTOMETRIC SPECIFICATIONS



APPLICATION NOTES

- Please use a litter water and soft fabric (air-laid paper) to clean the lens & reflector if necessary.
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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	PC	8,69 g		
Date	26.02.2024	NAME : TLS16NI-5050-STL-90X120			OLÇEK / SCALE 1 / 1
Sheet					
Drawn By	Esra GENC				
Checked By	Ibrahim OKMEN				
Approved By	--				

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TLS16NI-5050 Series

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CONTACT

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