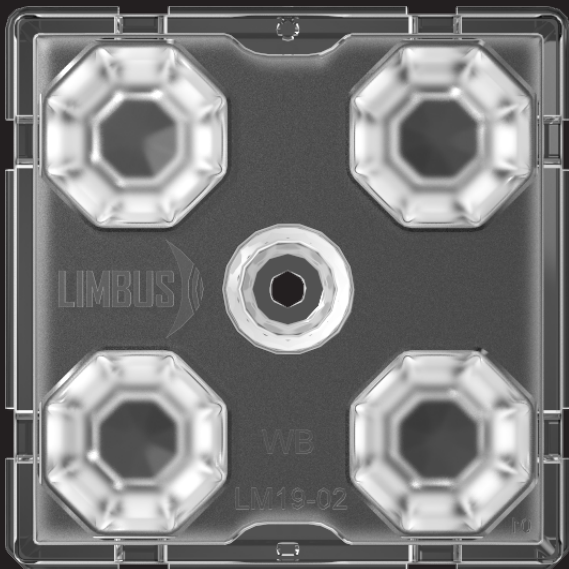


# LIMBUS

CONTROL YOUR LIGHT

BY  *TD Lighting Solutions*



## TLS04NI-5050-90-WB

- NICHIA NVSW219F
- LUMILEDS LUXEON 5050
- ETI 3535 AV1

**TLS04NI-5050-90-WB**  
**with NICHIA NVSW219F**  
 LED OPTIC DATASHEET

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 444 27 33

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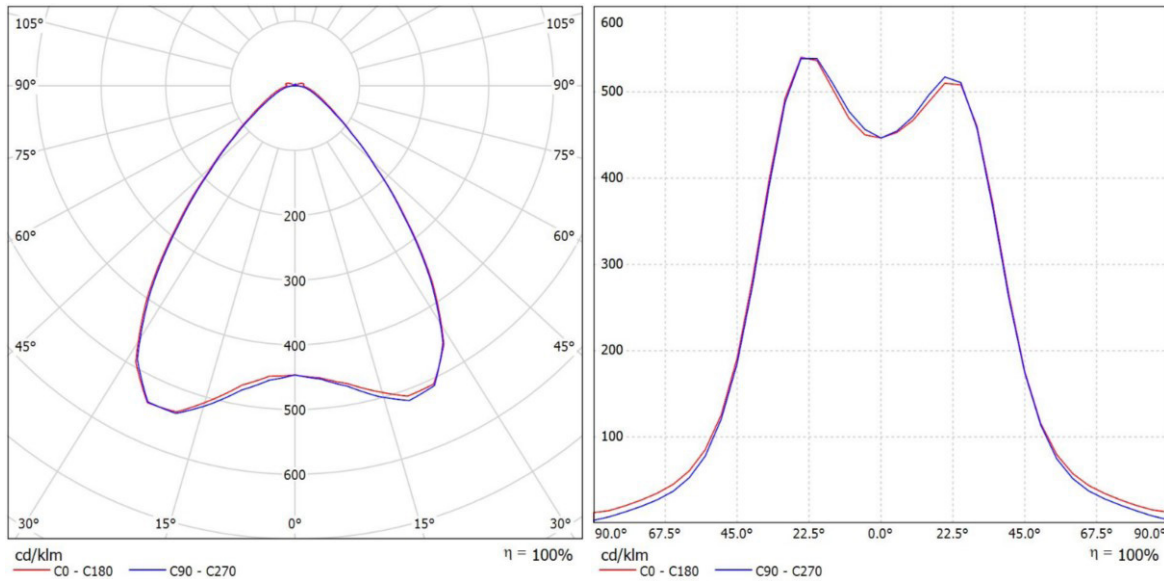
PRODUCT PICTURE



GENERAL SPECIFICATIONS

<b>Product Code</b>	TLS04NI-5050-90-WB
<b>Description</b>	Area Lighting
<b>Degree (FWHM)</b>	80.9°
<b>Efficiency</b>	91%
<b>Type</b>	4in1
<b>Size (mm) W x L x H</b>	50x50x10.5
<b>Material / Operating Temp.</b>	PMMA / -40 °C ~ + 90 °C max
<b>Fastening</b>	screw, pin
<b>Box Size (mm) WxLxH</b>	305x405x315
<b>Box Quantity</b>	720 pcs
<b>Box Weight (g)</b>	11.750
<b>Rohs Complaint</b>	Yes
<b>Storage Temperature</b>	0 °C ~ 40 °C max
<b>Compatible LED MODULE</b>	X-MS51221NCxx-NVSW319B-16

PHOTOMETRIC SPECIFICATIONS



APPLICATION NOTES

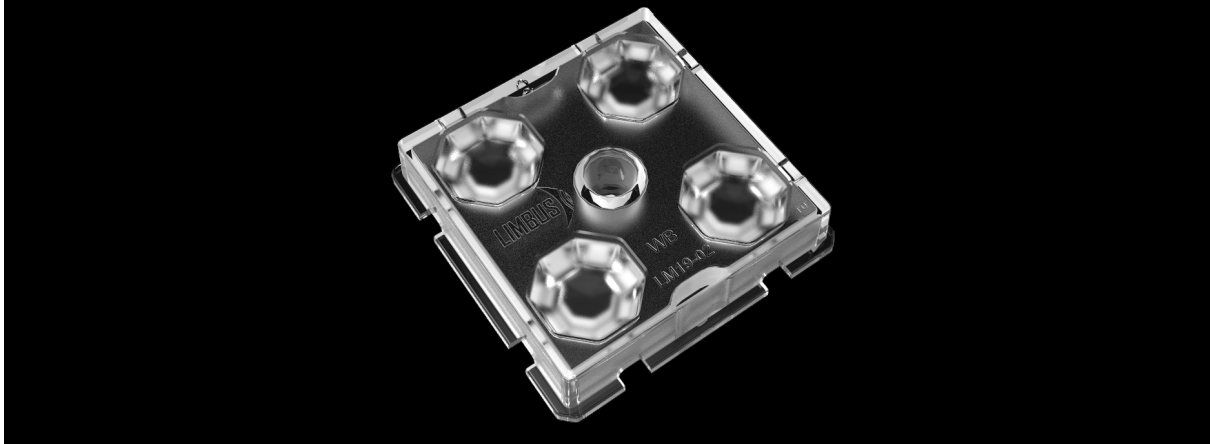
- Please use a litter water and soft fabric (air-laid paper) to clean the lens & reflector if necessary.
- Forbid to use industrial solvent to clean the lens, such as alcohol.
- Storage environment temperature is 0°C~40°C, humidity is 30%~95%.
- Optic Lens has the function to change the ray of light, 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.

**TLS04NI-5050-90-WB**  
**with LUMILEDS LUXEON 5050**  
 LED OPTIC DATASHEET

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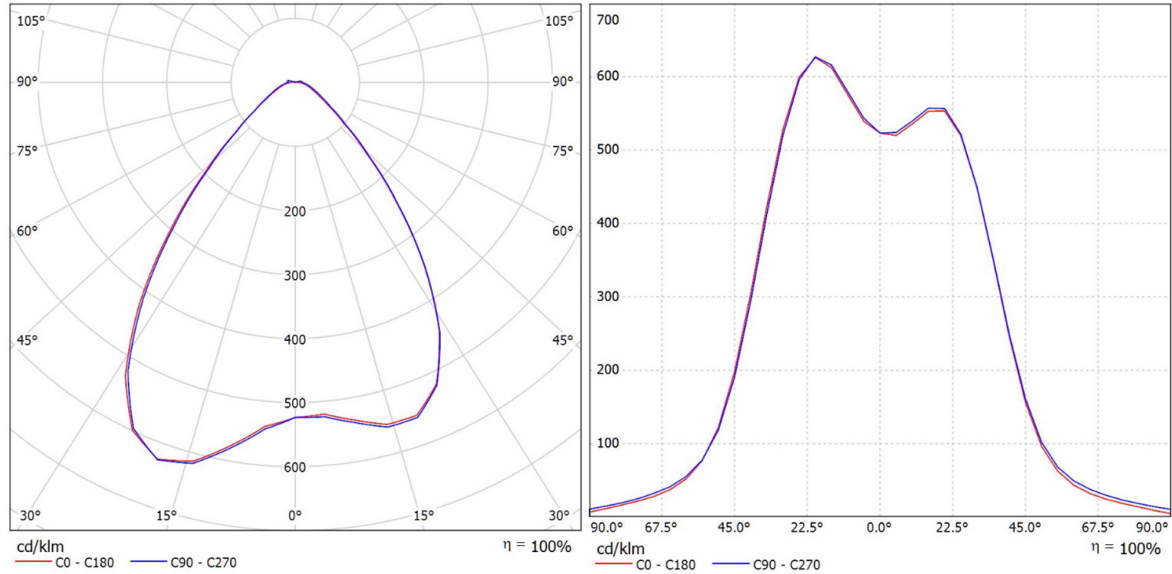
PRODUCT PICTURE



GENERAL SPECIFICATIONS

<b>Product Code</b>	TLS04NI-5050-90-WB
<b>Description</b>	Area Lighting
<b>Degree (FWHM)</b>	76°
<b>Efficiency</b>	91%
<b>Type</b>	4in1
<b>Size (mm) W x L x H</b>	50x50x10.5
<b>Material / Operating Temp.</b>	PMMA / -40 °C ~ + 90 °C max
<b>Fastening</b>	screw, pin
<b>Box Size (mm) WxLxH</b>	305x405x315
<b>Box Quantity</b>	720 pcs
<b>Box Weight (g)</b>	11.750
<b>Rohs Complaint</b>	Yes
<b>Storage Temperature</b>	0 °C ~ 40 °C max
<b>Compatible LED MODULE</b>	X-ML51222LM-5050-16

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.
- 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 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.

# TLS04NI-5050-90-WB with ETI 3535 AV1

LED OPTIC DATASHEET

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**LIMBUS**  
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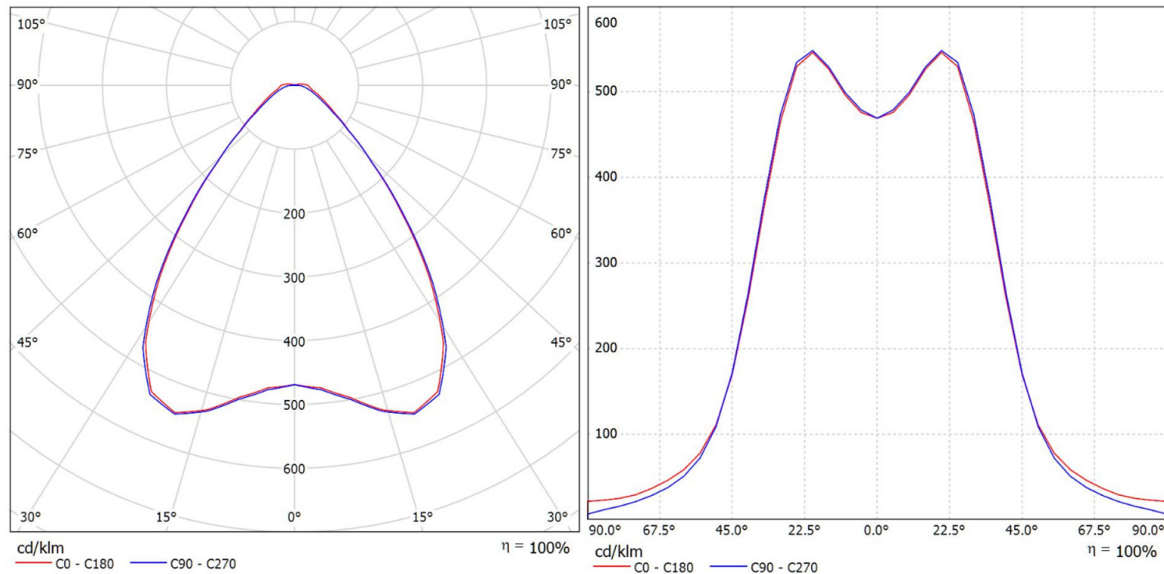
PRODUCT PICTURE



GENERAL SPECIFICATIONS

<b>Product Code</b>	TLS04NI-5050-90-WB
<b>Description</b>	Area Lighting
<b>Degree (FWHM)</b>	80°
<b>Efficiency</b>	91%
<b>Type</b>	4in1
<b>Size (mm) W x L x H</b>	50x50x10.5
<b>Material / Operating Temp.</b>	PMMA / -40 °C ~ + 90 °C max
<b>Fastening</b>	screw, pin
<b>Box Size (mm) WxLxH</b>	305x405x315
<b>Box Quantity</b>	720 pcs
<b>Box Weight (g)</b>	11.750
<b>Rohs Complaint</b>	Yes
<b>Storage Temperature</b>	0 °C ~ 40 °C max
<b>Compatible LED MODULE</b>	X-MS51221NCxx-ETI3535-16

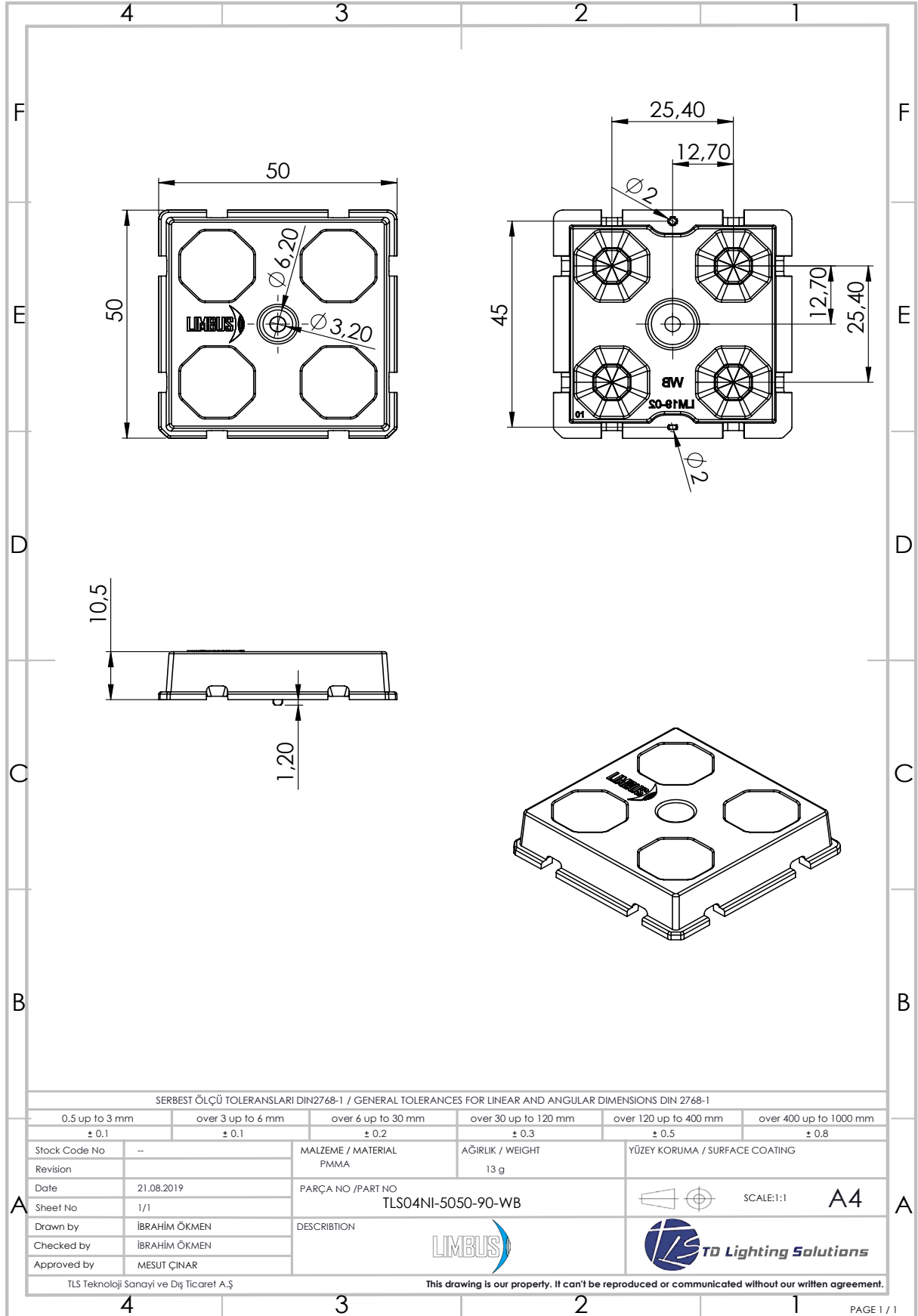
PHOTOMETRIC SPECIFICATIONS



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.
- Storage environment temperature is 0°C~40°C, humidity is 30%~95%.
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MECHANICAL DRAWINGS



SERBEST ÖLÇÜ TOLERANLARI DIN2768-1 / GENERAL TOLERANCES FOR LINEAR AND ANGULAR DIMENSIONS DIN 2768-1

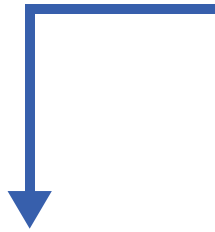
0.5 up to 3 mm ± 0.1	over 3 up to 6 mm ± 0.1	over 6 up to 30 mm ± 0.2	over 30 up to 120 mm ± 0.3	over 120 up to 400 mm ± 0.5	over 400 up to 1000 mm ± 0.8
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Stock Code No	--	MALZEME / MATERIAL	AĞIRLIK / WEIGHT	YÜZEY KORUMA / SURFACE COATING	
Revision		PMMA	13 g		
Date	21.08.2019	PARÇA NO /PART NO			
Sheet No	1/1	TLS04NI-5050-90-WB		SCALE:1:1 A4	
Drawn by	İBRAHİM ÖKMEN	DESCRIPTION			
Checked by	İBRAHİM ÖKMEN				
Approved by	MESUT ÇINAR				

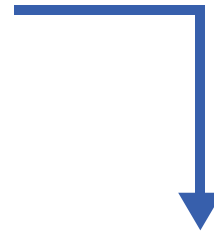
TLS Teknoloji Sanayi ve Dış Ticaret A.Ş.

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

Item	Quantity	Total Parts	Size (L*W*H*)	G.W
Tray	30 pcs per Tray	30 pcs	50*50*10.5 mm	0.39 Kg
Outer Box	30 Trays per Outer Box	720 pcs	405*305*315 mm	11.75 Kg



- 24 Trays / 30 Optics each



- 24 Trays / Outer Box

PACKAGING

## LEGAL NOTICE

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