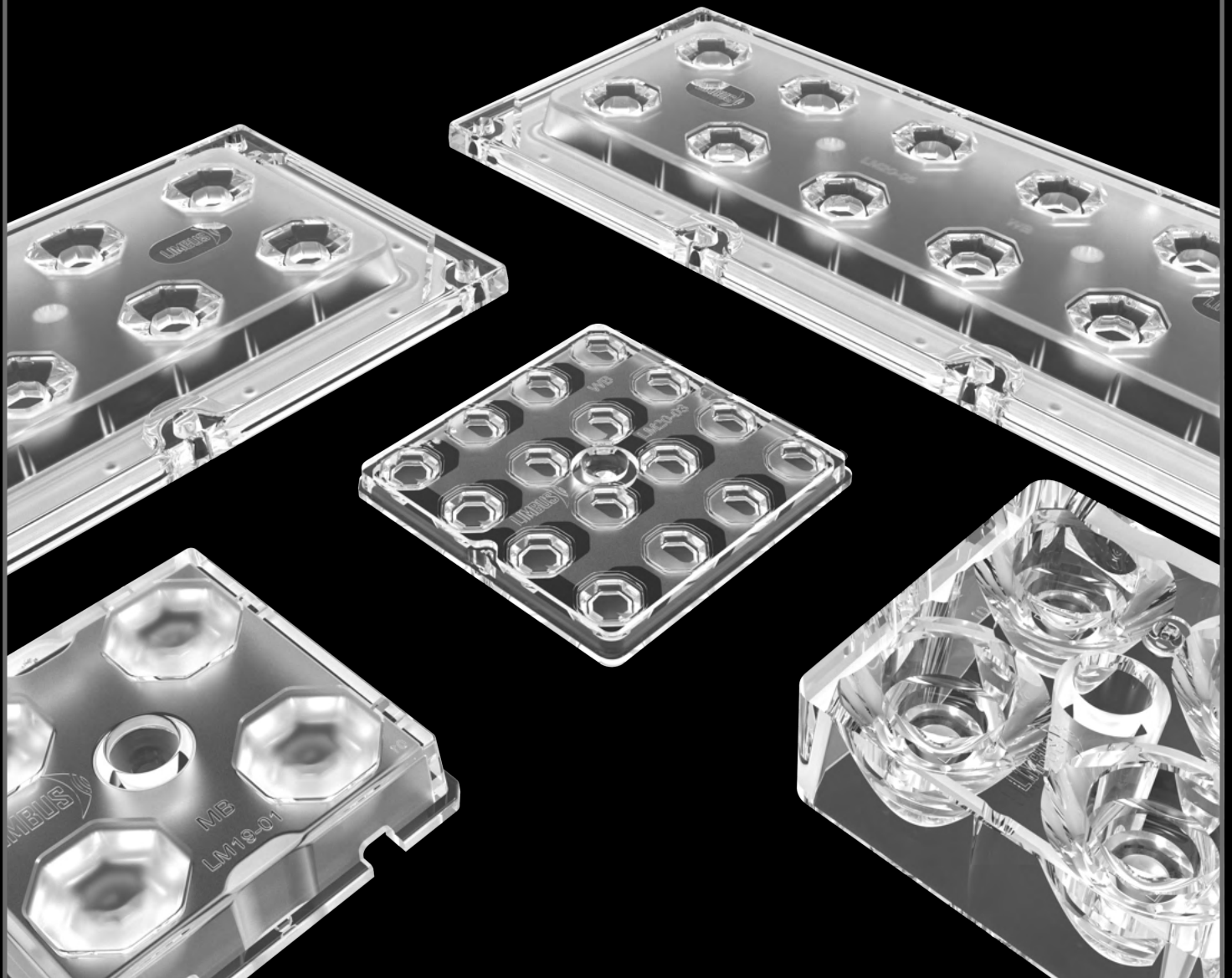


# LIMBUS

CONTROL YOUR LIGHT



***HIGHBAY LIGHTING***

# TL504NI-5050-10-UNB



## Details

- Degree (FWHM): 10°
- Size W x L x H: 50x50x16.7mm
- Efficiency: 95%
- Material: PMMA
- Fastening: Screw, Pin

MADE IN  
TURKEY

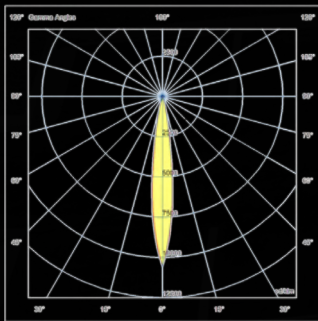
PATENT  
PENDING

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

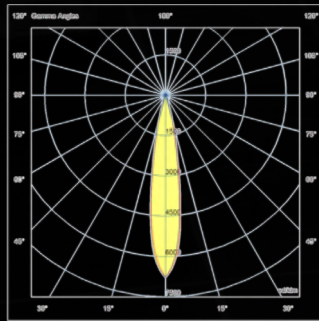
## Optical Results

NICHIA



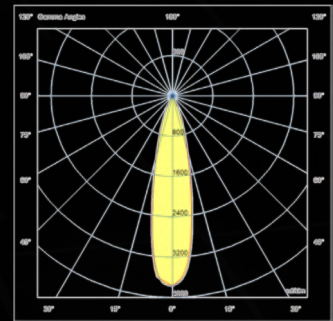
NVSW219F

NICHIA



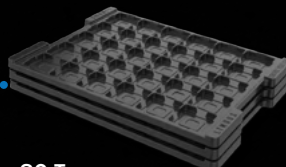
NV4WB35AM

NICHIA



NV4W144AR

## Packing

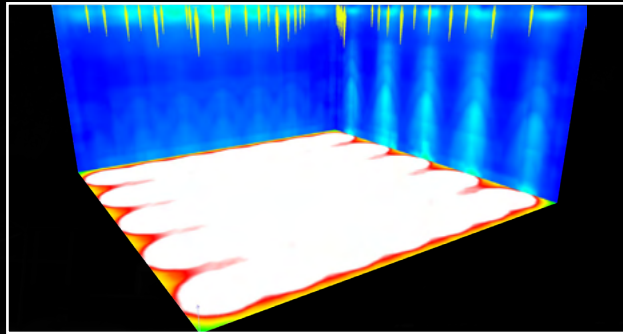
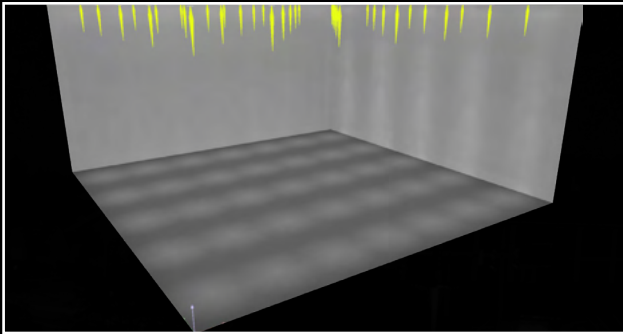


30 Trays  
15 Optics each



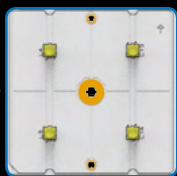
30 Trays  
450 Pcs  
Outer Box

# Polar Curves



## Module

### X-MS51221NCxx-NVSW319B-16



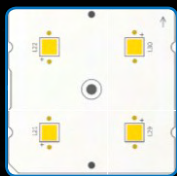
**NICHIA**  
NVSW219F

350mA	15,62W	2.500lm
700mA	32,48W	4.742lm
1400mA	68,54W	8.637lm

**NICHIA**  
NVSW319B

350mA	15,23W	2.513lm
700mA	31,81W	4.803lm
1400mA	66,98W	8.841lm

### X-MS51222LMxx-5050-16



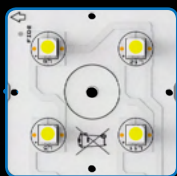
**LUMILEDS**  
5050-Round

700mA	15,12W	2.933lm
1400mA	31,58W	5.464lm
2000mA	46,56W	7.356lm

**LUMILEDS**  
5050-SQ

700mA	15,20W	3.102lm
1400mA	31,36W	5.896lm
2000mA	45,92W	8.082lm

### X-MS50172NCxx-NVSW319B-12



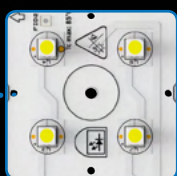
**NICHIA**  
NVSW219F

350mA	11,72W	1.875lm
700mA	24,36W	3.557lm
1400mA	51,41W	6.477lm

**NICHIA**  
NVSW319B

350mA	11,42W	1.885lm
700mA	23,86W	3.602lm
1400mA	50,23W	6.631lm

### X-MS50122LMxx-5050-8



**LUMILEDS**  
5050-Round

500mA	10,60W	2.056lm
700mA	15,40W	2.664lm
1000mA	23,40W	3.697lm

**LUMILEDS**  
5050-SQ

500mA	10,60W	2.162lm
700mA	15,40W	2.895lm
1000mA	23,40W	4.118lm

# TL504NI-5050-30



## Details

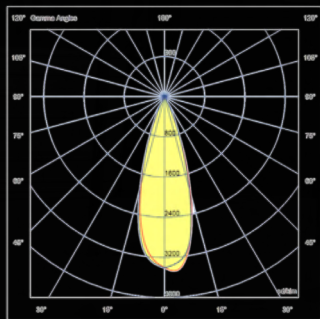
- Degree (FWHM): 30°
- Size W x L x H: 50x50x8.6mm
- Efficiency: 92%
- Material: PMMA
- Fastening: Screw, Pin

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

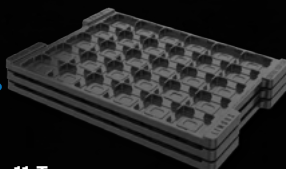
## Optical Results

NICHIA



NVSW219D

## Packing

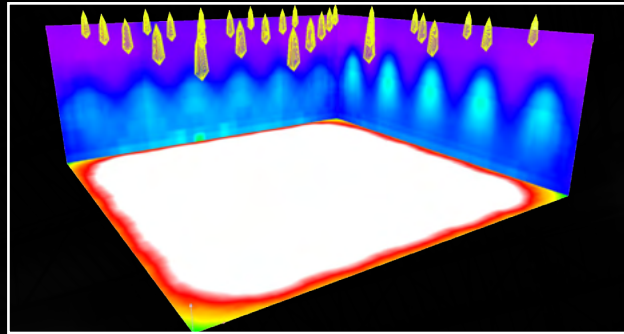
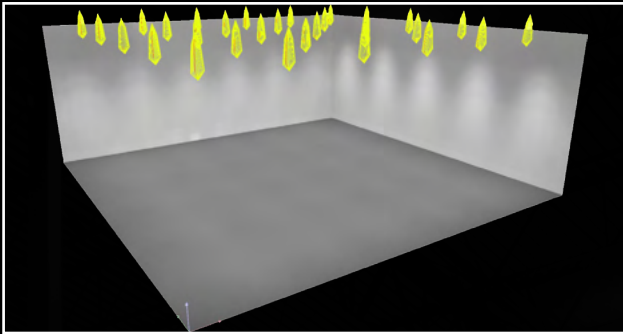


11 Trays  
20 Optics each



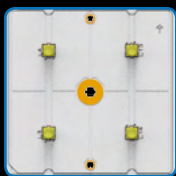
11 Trays  
220 Pcs  
Outer Box

# Polar Curves



## Module

### X-MS51221NCxx-NVSW319B-16



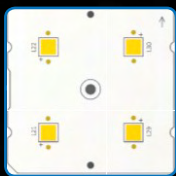
**NICHIA**  
NVSW219F

350mA	15,62W	2.500lm
700mA	32,48W	4.742lm
1400mA	68,54W	8.637lm

**NICHIA**  
NVSW319B

350mA	15,23W	2.513lm
700mA	31,81W	4.803lm
1400mA	66,98W	8.841lm

### X-MS51222LMxx-5050-16



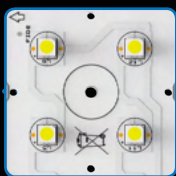
**LUMILEDS**  
5050-Round

700mA	15,12W	2.933lm
1400mA	31,58W	5.464lm
2000mA	46,56W	7.356lm

**LUMILEDS**  
5050-SQ

700mA	15,20W	3.102lm
1400mA	31,36W	5.896lm
2000mA	45,92W	8.082lm

### X-MS50172NCxx-NVSW319B-12



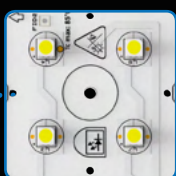
**NICHIA**  
NVSW219F

350mA	11,72W	1.875lm
700mA	24,36W	3.557lm
1400mA	51,41W	6.477lm

**NICHIA**  
NVSW319B

350mA	11,42W	1.885lm
700mA	23,86W	3.602lm
1400mA	50,23W	6.631lm

### X-MS50122LMxx-5050-8



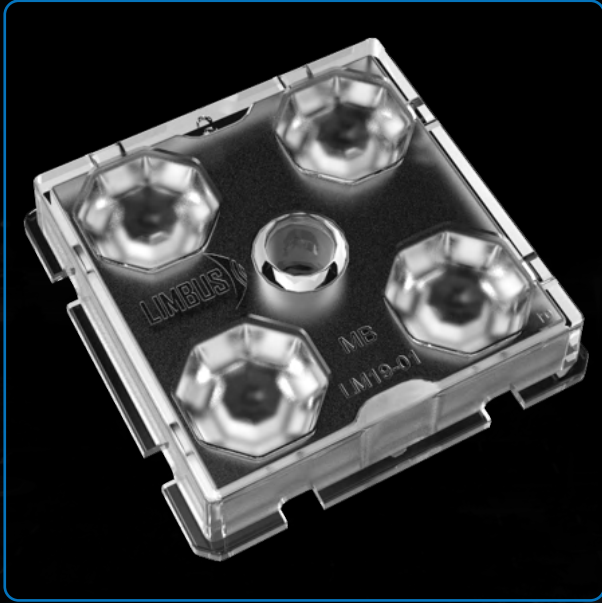
**LUMILEDS**  
5050-Round

500mA	10,60W	2.056lm
700mA	15,40W	2.664lm
1000mA	23,40W	3.697lm

**LUMILEDS**  
5050-SQ

500mA	10,60W	2.162lm
700mA	15,40W	2.895lm
1000mA	23,40W	4.118lm

# TL504NI-5050-60-MB



## Details

- Degree (FWHM): 60°
- Size W x L x H: 50x50x10.15mm
- Efficiency: 93%
- Material: PMMA / PC
- Fastening: Screw, Pin

MADE IN  
TURKEY

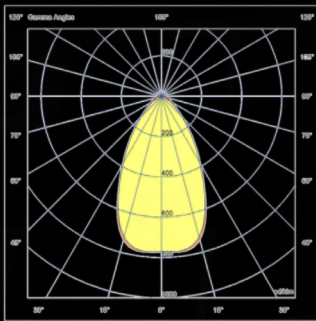
PATENT  
PENDING

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

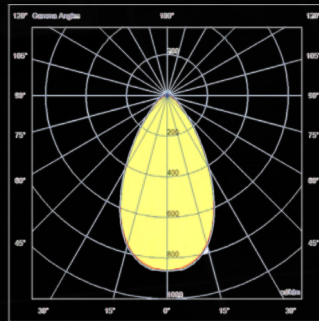
## Optical Results

NICHIA



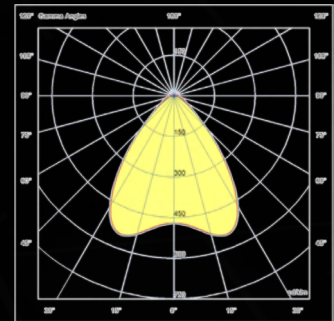
NVSW219D

LUMILEDS



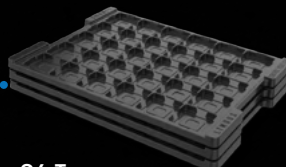
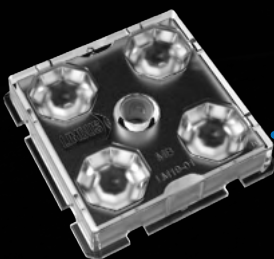
LUXEON 5050

ET



3535 AV1

## Packing

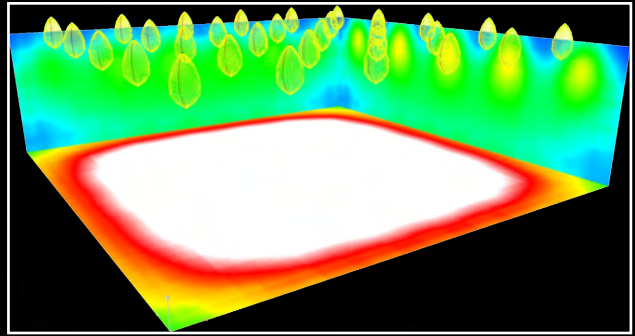
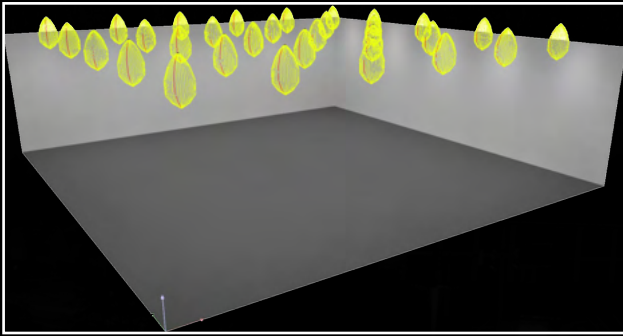


24 Trays  
30 Optics each



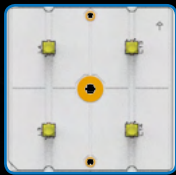
24 Trays  
720 Pcs  
Outer Box

# Polar Curves



## Module

### X-MS51221NCxx-NVSW319B-16



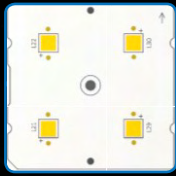
**NICHIA**  
NVSW219F

350mA	15,62W	2.500lm
700mA	32,48W	4.742lm
1400mA	68,54W	8.637lm

**NICHIA**  
NVSW319B

350mA	15,23W	2.513lm
700mA	31,81W	4.803lm
1400mA	66,98W	8.841lm

### X-MS51222LMxx-5050-16



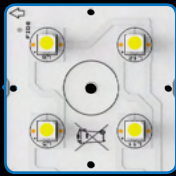
**LUMILEDS**  
5050-Round

700mA	15,12W	2.933lm
1400mA	31,58W	5.464lm
2000mA	46,56W	7.356lm

**LUMILEDS**  
5050-SQ

700mA	15,20W	3.102lm
1400mA	31,36W	5.896lm
2000mA	45,92W	8.082lm

### X-MS50172NCxx-NVSW319B-12



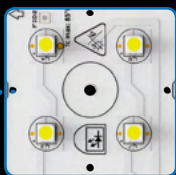
**NICHIA**  
NVSW219F

350mA	11,72W	1.875lm
700mA	24,36W	3.557lm
1400mA	51,41W	6.477lm

**NICHIA**  
NVSW319B

350mA	11,42W	1.885lm
700mA	23,86W	3.602lm
1400mA	50,23W	6.631lm

### X-MS50122LMxx-5050-8



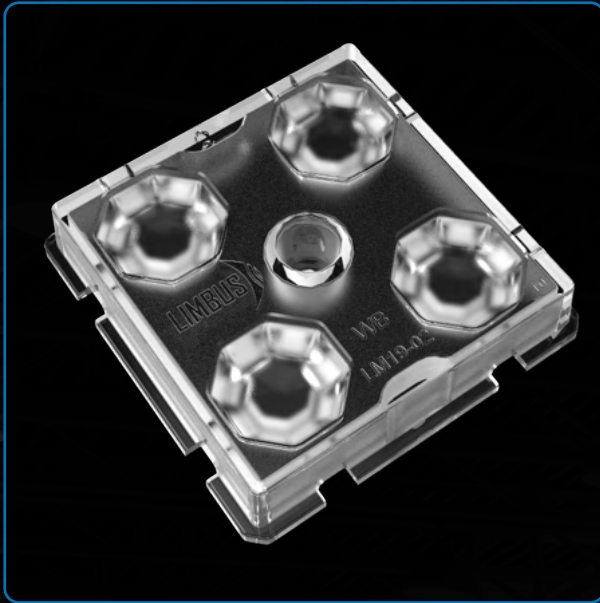
**LUMILEDS**  
5050-Round

500mA	10,60W	2.056lm
700mA	15,40W	2.664lm
1000mA	23,40W	3.697lm

**LUMILEDS**  
5050-SQ

500mA	10,60W	2.162lm
700mA	15,40W	2.895lm
1000mA	23,40W	4.118lm

# TL504NI-5050-90-MB



## Details

- Degree (FWHM): 90°
- Size W x L x H: 50x50x10.15mm
- Efficiency: 93%
- Material: PMMA / PC
- Fastening: Screw, Pin

MADE IN  
TURKEY

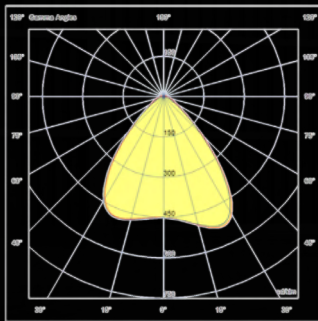
PATENT  
PENDING

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

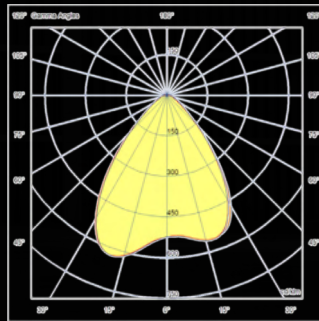
## Optical Results

NICHIA



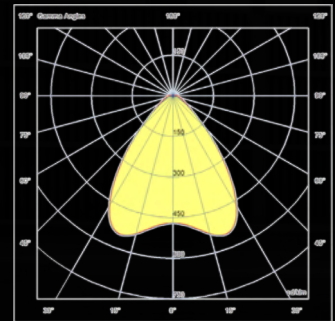
NVSW219D

LUMILEDS



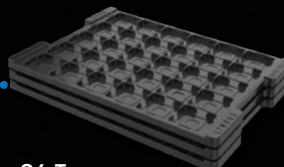
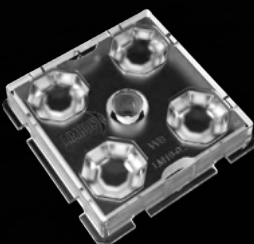
LUXEON 5050

ET



3535 AV1

## Packing



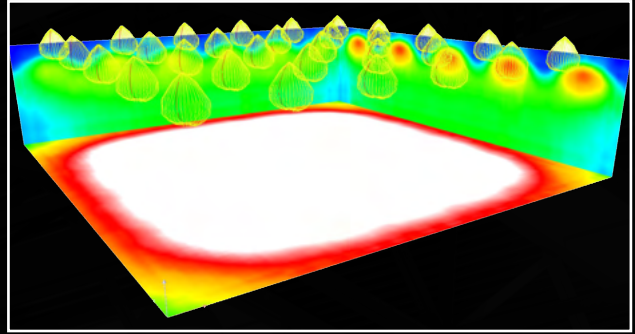
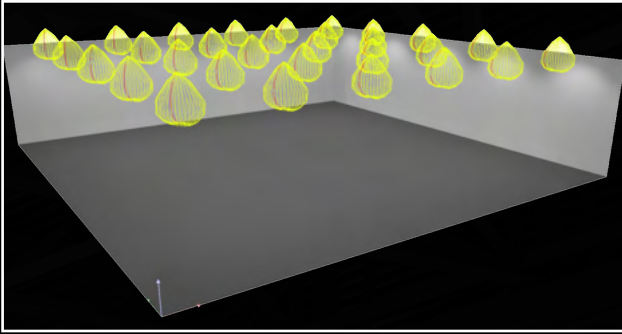
24 Trays  
30 Optics each



24 Trays  
720 Pcs  
Outer Box

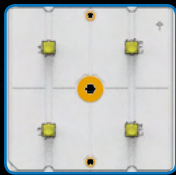


# Polar Curves



## Module

### X-MS51221NCxx-NVSW319B-16



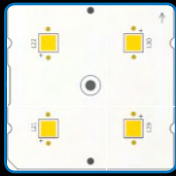
**NICHIA**  
NVSW219F

350mA	15,62W	2.500lm
700mA	32,48W	4.742lm
1400mA	68,54W	8.637lm

**NICHIA**  
NVSW319B

350mA	15,23W	2.513lm
700mA	31,81W	4.803lm
1400mA	66,98W	8.841lm

### X-MS51222LMxx-5050-16



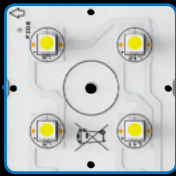
**LUMILEDS**  
5050-Round

700mA	15,12W	2.933lm
1400mA	31,58W	5.464lm
2000mA	46,56W	7.356lm

**LUMILEDS**  
5050-SQ

700mA	15,20W	3.102lm
1400mA	31,36W	5.896lm
2000mA	45,92W	8.082lm

### X-MS50172NCxx-NVSW319B-12



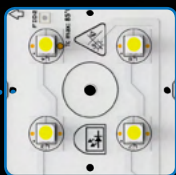
**NICHIA**  
NVSW219F

350mA	11,72W	1.875lm
700mA	24,36W	3.557lm
1400mA	51,41W	6.477lm

**NICHIA**  
NVSW319B

350mA	11,42W	1.885lm
700mA	23,86W	3.602lm
1400mA	50,23W	6.631lm

### X-MS50122LMxx-5050-8



**LUMILEDS**  
5050-Round

500mA	10,60W	2.056lm
700mA	15,40W	2.664lm
1000mA	23,40W	3.697lm

**LUMILEDS**  
5050-SQ

500mA	10,60W	2.162lm
700mA	15,40W	2.895lm
1000mA	23,40W	4.118lm

# TL504NI-9090-30



## Details

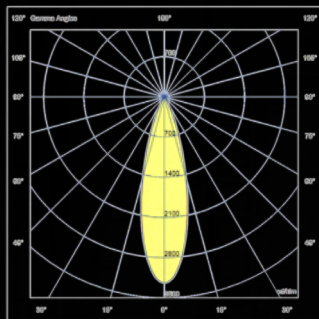
- Degree (FWHM): 30°
- Size W x L x H: 90x90x9mm
- Efficiency: 92%
- Material: PC
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



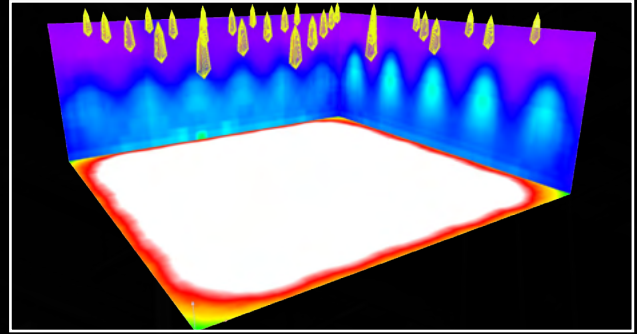
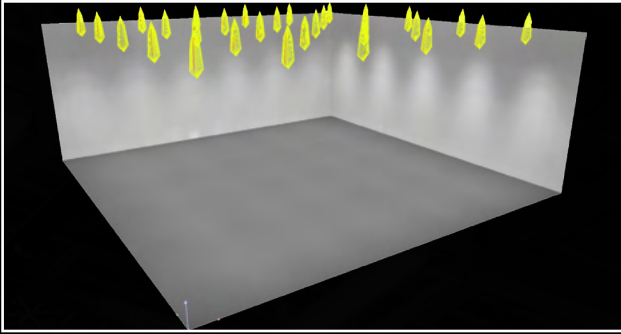
NV4X144A

## Packing



55 Pcs  
Outer Box

## Polar Curves



## Module

### X-ML45146NCxx-NVSxE21A-12



**NICHIA**  
NV4L144ART

700mA	31,36W	4.234lm
1050mA	48,30W	5.941lm
1400mA	66,64W	7.464lm

# TL504NI-9090-60



## Details

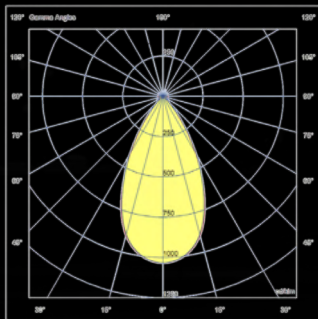
- Degree (FWHM): 60°
- Size W x L x H: 90x90x9.3mm
- Efficiency: 92%
- Material: PC
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



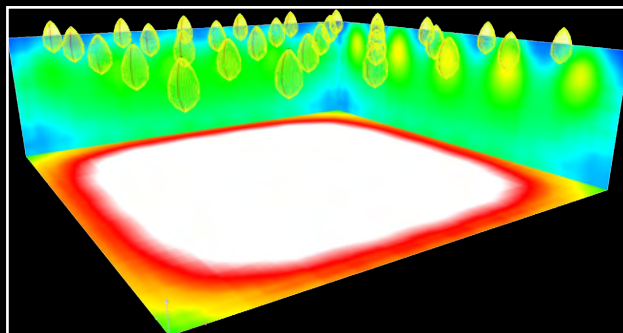
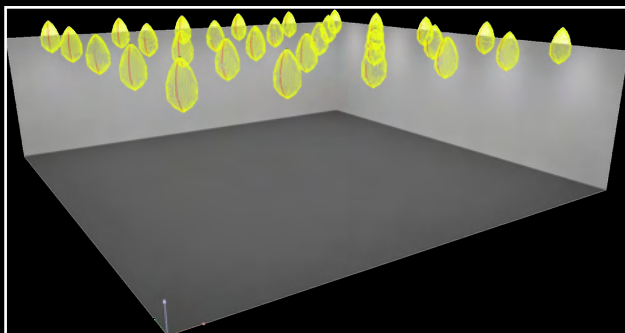
NV4X144A

## Packing



97 Pcs  
Outer Box

## Polar Curves



## Module

### X-ML45146NCxx-NVSxE21A-12



**NICHIA**  
NV4L144ART

700mA	31,36W	4.234lm
1050mA	48,30W	5.941lm
1400mA	66,64W	7.464lm

# TL508NI-5050-30



## Details

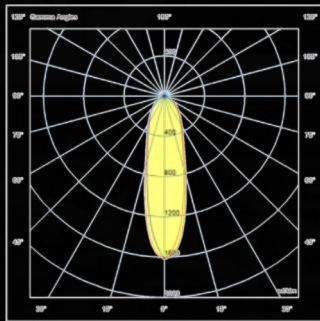
- Degree (FWHM): 30°
- Size W x L x H: 50x50x7.5mm
- Efficiency: 92%
- Material: PMMA
- Fastening: Screw, Pin

COMPATIBLE  
MODULE OPTIONS

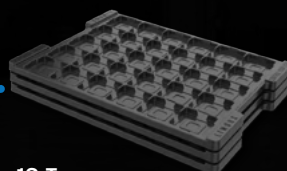
HIGH QUALITY

## Optical Results

NICHIA



## Packing

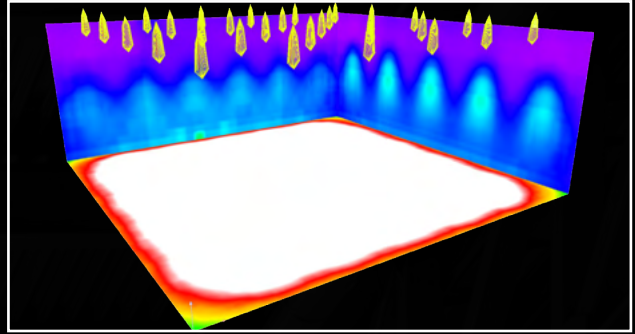
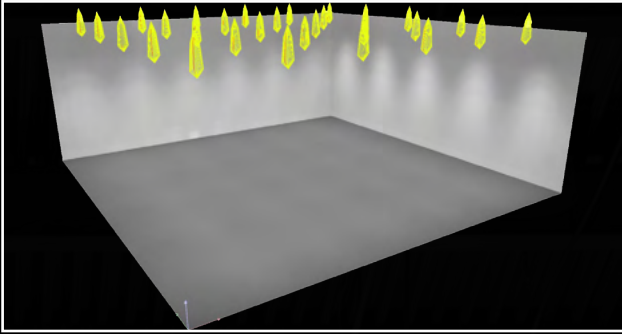


12 Trays  
20 Optics each



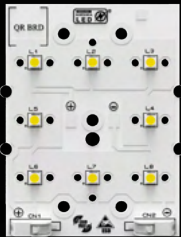
12 Trays  
240 Pcs  
Outer Box

# Polar Curves



# Module

## X-MS5067NCxx-NFSW757H-8



**NICHIA**  
NFSW757H

150mA	1,62W	285lm
250mA	2,80W	454lm
350mA	4,06W	625lm

**NICHIA**  
NF2W757H-F1

150mA	1,62W	308lm
250mA	2,82W	508lm
350mA	4,06W	690lm

# TL508NI-5050-60



## Details

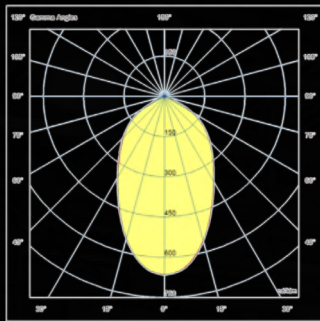
- Degree (FWHM): 60°
- Size W x L x H: 50x50x5.3mm
- Efficiency: 92%
- Material: PMMA
- Fastening: Screw, Pin

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



NFSW757H

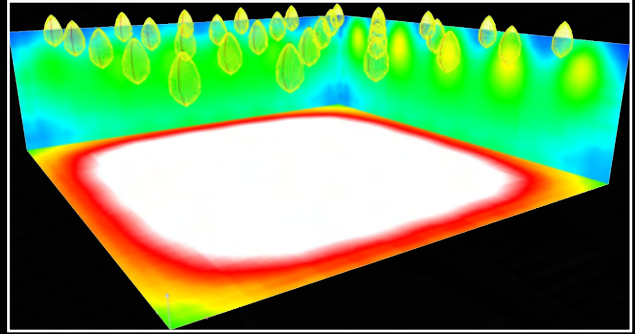
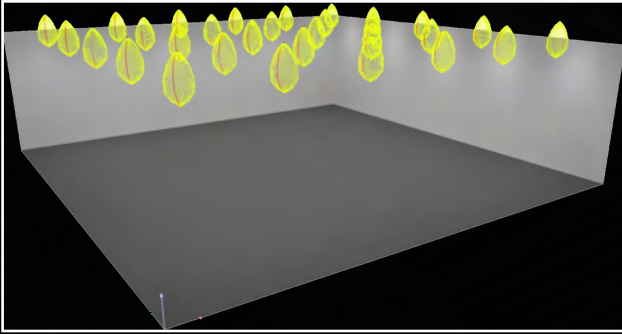
## Packing



280 Pcs  
Outer Box

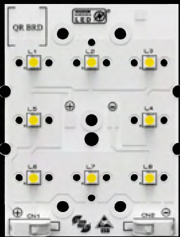


# Polar Curves



# Module

## X-MS5067NCxx-NFSW757H-8



**NICHIA**  
NFSW757H

150mA	1,62W	285lm
250mA	2,80W	454lm
350mA	4,06W	625lm

**NICHIA**  
NF2W757H-F1

150mA	1,62W	308lm
250mA	2,82W	508lm
350mA	4,06W	690lm

# TL508NI-5050-90



## Details

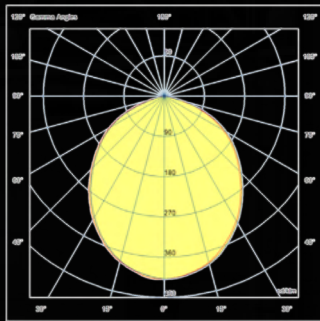
- Degree (FWHM): 90°
- Size W x L x H: 50x50x5mm
- Efficiency: 92%
- Material: PMMA
- Fastening: Screw, Pin

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



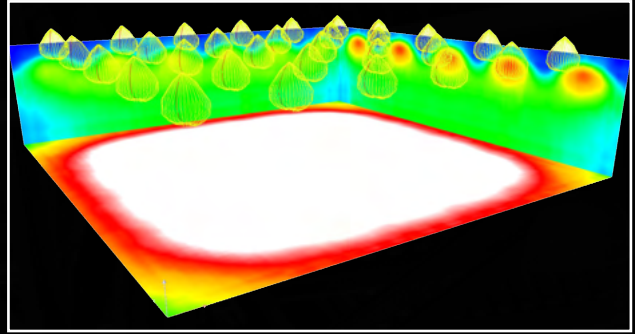
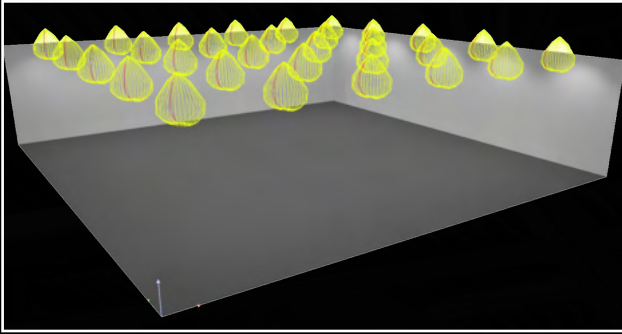
NFSW757H

## Packing



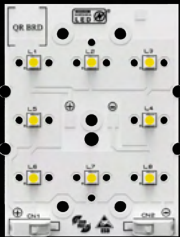
280 Pcs  
Outer Box

# Polar Curves



# Module

## X-MS5067NCxx-NFSW757H-8



**NICHIA**  
NFSW757H

150mA	1,62W	285lm
250mA	2,80W	454lm
350mA	4,06W	625lm

**NICHIA**  
NF2W757H-F1

150mA	1,62W	308lm
250mA	2,82W	508lm
350mA	4,06W	690lm

# TL512NI-HBL-40-V1



## Details

- Degree (FWHM): 40°
- Size W x L x H: 50x50x4.79mm
- Efficiency: 94%
- Material: PMMA
- Fastening: Screw

MADE IN  
TURKEY

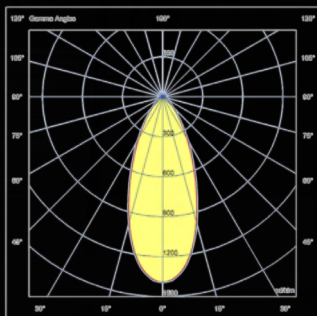
PATENT  
PENDING

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

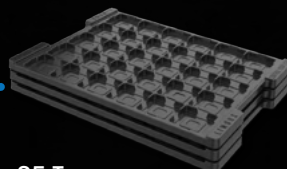
## Optical Results

NICHIA



NF2W757GR-V3

## Packing

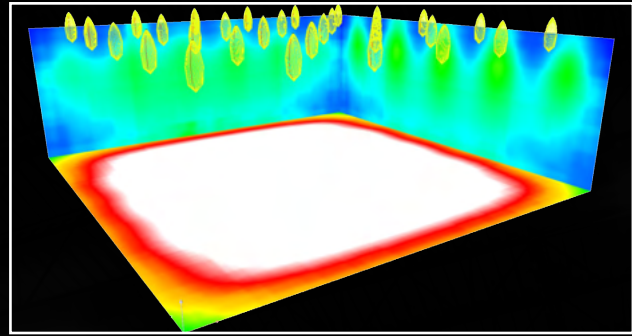
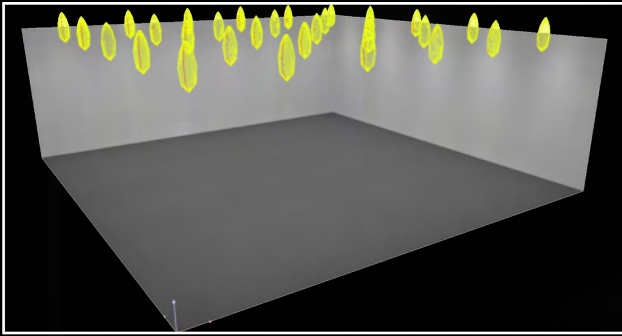


25 Trays  
30 Optics each



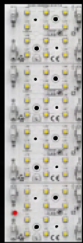
25 Trays  
750 Pcs  
Outer Box

# Polar Curves



## Module

### X-MS60203NCxx-NF2W757GRV3-48



**NICHIA**  
NF2W757GR-V3

350mA	24,36W	3.703lm
500mA	34,80W	4.872lm
700mA	52,08W	7.187lm

**LUMILEDS**  
3030 2D-SQ

350mA	25,07W	4.263lm
500mA	36,60W	5.783lm
700mA	52,92W	7.832lm

### X-MS104173NCxx-NF2W757GRV3-72



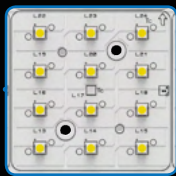
**NICHIA**  
NF2W757GR-V3

350mA	36,54W	5.554lm
500mA	52,20W	7.308lm
700mA	78,12W	10.781lm

**LUMILEDS**  
3030 2D-SQ

350mA	37,61W	6.394lm
500mA	54,90W	8.674lm
700mA	79,38W	11.748lm

### X-MS154173NCxx-NF2W757GRV3-108



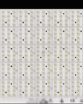
**NICHIA**  
NF2W757GR-V3

350mA	54,81W	8.331lm
500mA	78,30W	10.962lm
700mA	117,18W	16.171lm

**LUMILEDS**  
3030 2D-SQ

350mA	56,42W	9.591lm
500mA	82,35W	13.011lm
700mA	119,07W	17.622lm

### X-MS255274NCxx-NF2W757GRV3-300



**NICHIA**  
NF2W757GR-V3

500mA	145,00W	22.040lm
700mA	208,25W	29.155lm
1050mA	325,50W	41.155lm

**LUMILEDS**  
3030 2D-SQ

500mA	149,25W	24.626lm
700mA	213,50W	33.733lm
1050mA	330,75W	45.644lm

# TL512NI-HBL-60-V1



## Details

- Degree (FWHM): 60°
- Size W x L x H: 50x50x4.79mm
- Efficiency: 94%
- Material: PMMA
- Fastening: Screw

MADE IN  
TURKEY

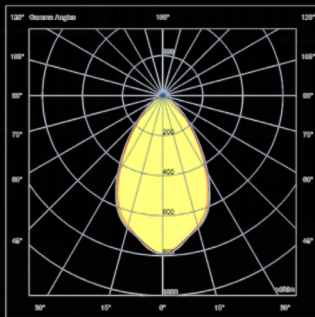
PATENT  
PENDING

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

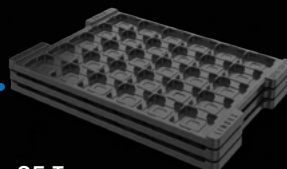
## Optical Results

NICHIA



NF2W757GR-V3

## Packing

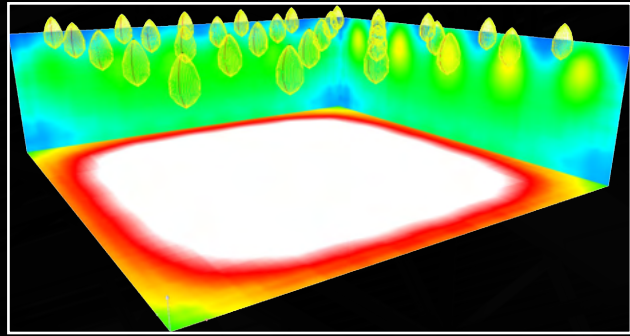
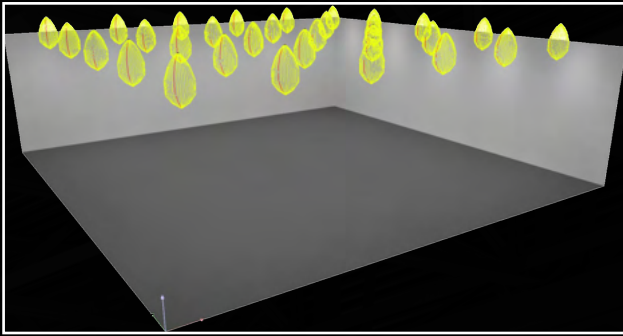


25 Trays  
30 Optics each



25 Trays  
750 Pcs  
Outer Box

# Polar Curves



## Module

### X-MS60203NCxx-NF2W757GRV3-48



**NICHIA**  
NF2W757GR-V3

350mA	24,36W	3.703lm
500mA	34,80W	4.872lm
700mA	52,08W	7.187lm

**LUMILEDS**  
3030 2D-SQ

350mA	25,07W	4.263lm
500mA	36,60W	5.783lm
700mA	52,92W	7.832lm

### X-MS104173NCxx-NF2W757GRV3-72



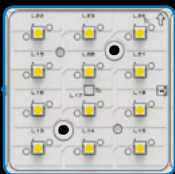
**NICHIA**  
NF2W757GR-V3

350mA	36,54W	5.554lm
500mA	52,20W	7.308lm
700mA	78,12W	10.781lm

**LUMILEDS**  
3030 2D-SQ

350mA	37,61W	6.394lm
500mA	54,90W	8.674lm
700mA	79,38W	11.748lm

### X-MS154173NCxx-NF2W757GRV3-108



**NICHIA**  
NF2W757GR-V3

350mA	54,81W	8.331lm
500mA	78,30W	10.962lm
700mA	117,18W	16.171lm

**LUMILEDS**  
3030 2D-SQ

350mA	56,42W	9.591lm
500mA	82,35W	13.011lm
700mA	119,07W	17.622lm

### X-MS255274NCxx-NF2W757GRV3-300



**NICHIA**  
NF2W757GR-V3

500mA	145,00W	22.040lm
700mA	208,25W	29.155lm
1050mA	325,50W	41.155lm

**LUMILEDS**  
3030 2D-SQ

500mA	149,25W	24.626lm
700mA	213,50W	33.733lm
1050mA	330,75W	45.644lm

# TL512NI-GSL-SYM-V1



## Details

- Degree (FWHM): 90°
- Size W x L x H: 50x50x4.79mm
- Efficiency: 94%
- Material: PMMA
- Fastening: Screw

MADE IN  
TURKEY

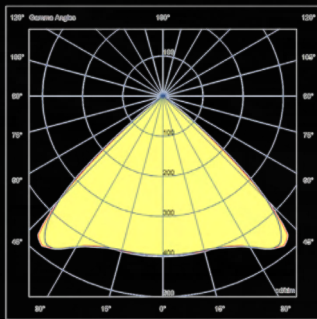
PATENT  
PENDING

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA

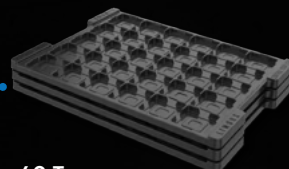


NF2W757GR-V3

## Packing



40 Trays  
30 Optics each

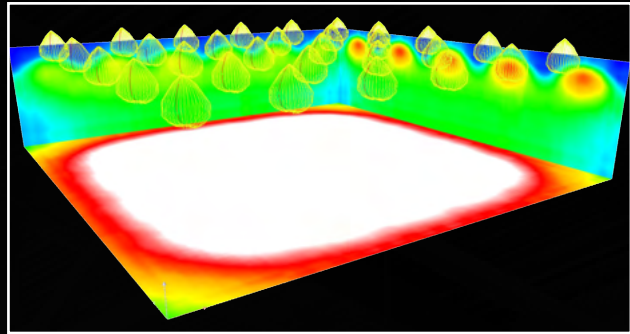
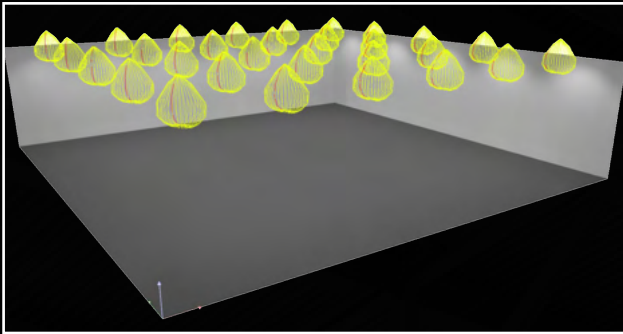


40 Trays  
1200 Pcs  
Outer Box



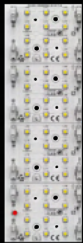


# Polar Curves



## Module

### X-MS60203NCxx-NF2W757GRV3-48



**NICHIA**  
NF2W757GR-V3

350mA	24,36W	3.703lm
500mA	34,80W	4.872lm
700mA	52,08W	7.187lm

**LUMILEDS**  
3030 2D-SQ

350mA	25,07W	4.263lm
500mA	36,60W	5.783lm
700mA	52,92W	7.832lm

### X-MS104173NCxx-NF2W757GRV3-72



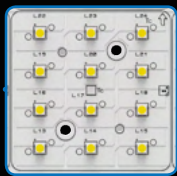
**NICHIA**  
NF2W757GR-V3

350mA	36,54W	5.554lm
500mA	52,20W	7.308lm
700mA	78,12W	10.781lm

**LUMILEDS**  
3030 2D-SQ

350mA	37,61W	6.394lm
500mA	54,90W	8.674lm
700mA	79,38W	11.748lm

### X-MS154173NCxx-NF2W757GRV3-108



**NICHIA**  
NF2W757GR-V3

350mA	54,81W	8.331lm
500mA	78,30W	10.962lm
700mA	117,18W	16.171lm

**LUMILEDS**  
3030 2D-SQ

350mA	56,42W	9.591lm
500mA	82,35W	13.011lm
700mA	119,07W	17.622lm

### X-MS255274NCxx-NF2W757GRV3-300



**NICHIA**  
NF2W757GR-V3

500mA	145,00W	22.040lm
700mA	208,25W	29.155lm
1050mA	325,50W	41.155lm

**LUMILEDS**  
3030 2D-SQ

500mA	149,25W	24.626lm
700mA	213,50W	33.733lm
1050mA	330,75W	45.644lm

# TL512NI-W71L173-HBL-12-IP

## Details

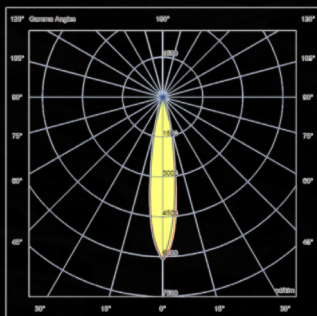
- Degree (FWHM): 12°
- Size W x L x H: 71x173x7.5 mm
- Efficiency: 91%
- Material: PC
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



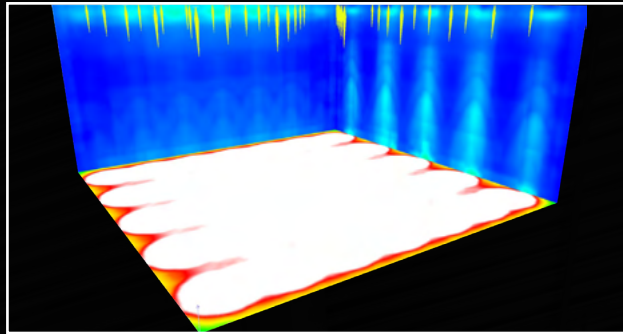
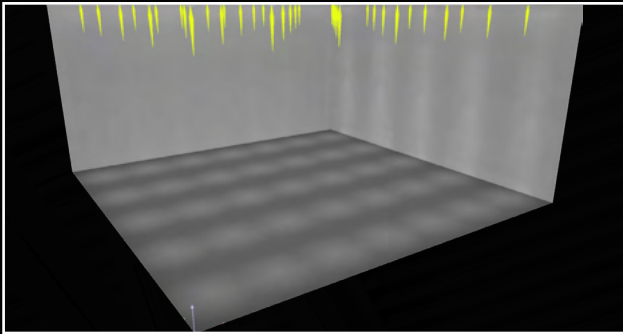
NVSW219D

## Packing



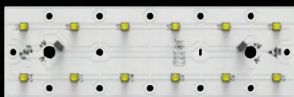
44 Pcs  
Outer Box

# Polar Curves



## Module

### X-ML45146NCxx-NVSW219F-12



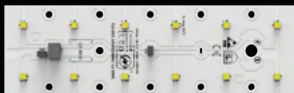
**NICHIA**  
NVSW219F

350mA	11,72W	1.875lm
700mA	24,36W	3.557lm
1400mA	51,41W	6.477lm

**NICHIA**  
NVSW319B

350mA	11,42W	1.885lm
700mA	23,86W	3.602lm
1400mA	50,23W	6.631lm

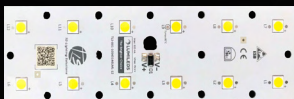
### X-ML45146NCxx-NVSxE21A-12



**NICHIA**  
NVSLE21AT

350mA	11,42W	1.862lm
700mA	23,94W	3.471lm
1400mA	49,56W	5.997lm

### X-ML45146LM-4070-5050xx-12-V2



**LUMILEDS**  
5050-Round

500mA	35,16W	6.118lm
700mA	50,99W	8.107lm
800mA	59,23W	9.003lm

**LUMILEDS**  
5050-SQ

500mA	34,50W	6.141lm
700mA	49,64W	8.142lm
900mA	65,45W	9.948lm

### X-ML45146NCxx-NVSW319B-12



**NICHIA**  
NVSW319B

350mA	11,72W	1.885lm
700mA	23,86W	3.602lm
1400mA	50,23W	6.631lm

**NICHIA**  
NVSW219F-V1

350mA	11,72W	1.875lm
700mA	24,36W	3.557lm
1400mA	51,41W	6.477lm

# TL512NI-W71L173-HBL-30-IP



## Details

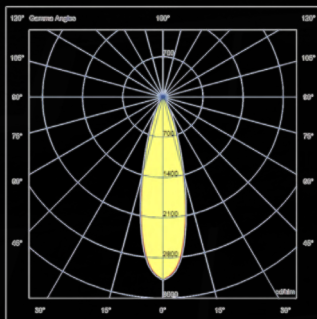
- Degree (FWHM): 30°
- Size W x L x H: 71x173x7.5 mm
- Efficiency: 92%
- Material: PC
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



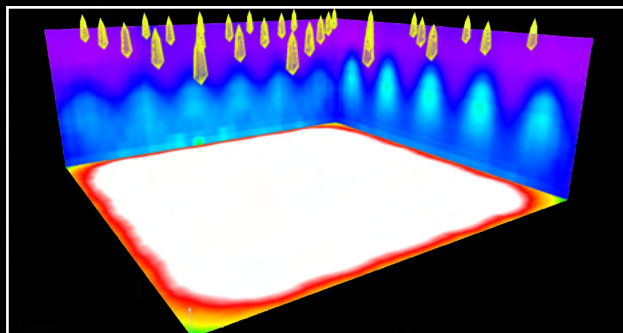
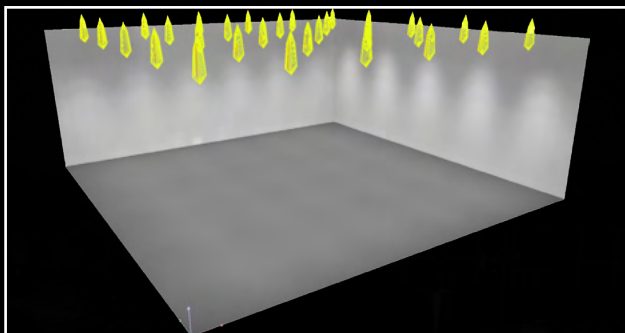
NVSW219D

## Packing



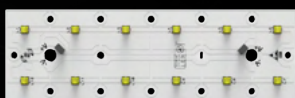
44 Pcs  
Outer Box

# Polar Curves



## Module

### X-ML45146NCxx-NVSW219F-12



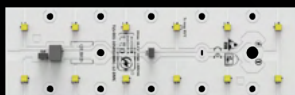
**NICHIA**  
NVSW219F

350mA	11,72W	1.875lm
700mA	24,36W	3.557lm
1400mA	51,41W	6.477lm

**NICHIA**  
NVSW319B

350mA	11,42W	1.885lm
700mA	23,86W	3.602lm
1400mA	50,23W	6.631lm

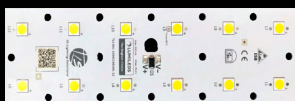
### X-ML45146NCxx-NVSxE21A-12



**NICHIA**  
NVSLE21AT

350mA	11,42W	1.862lm
700mA	23,94W	3.471lm
1400mA	49,56W	5.997lm

### X-ML45146LM-4070-5050xx-12-V2



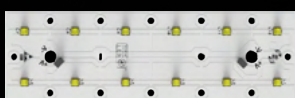
**LUMILEDS**  
5050-Round

500mA	35,16W	6.118lm
700mA	50,99W	8.107lm
800mA	59,23W	9.003lm

**LUMILEDS**  
5050-SQ

500mA	34,50W	6.141lm
700mA	49,64W	8.142lm
900mA	65,45W	9.948lm

### X-ML45146NCxx-NVSW319B-12



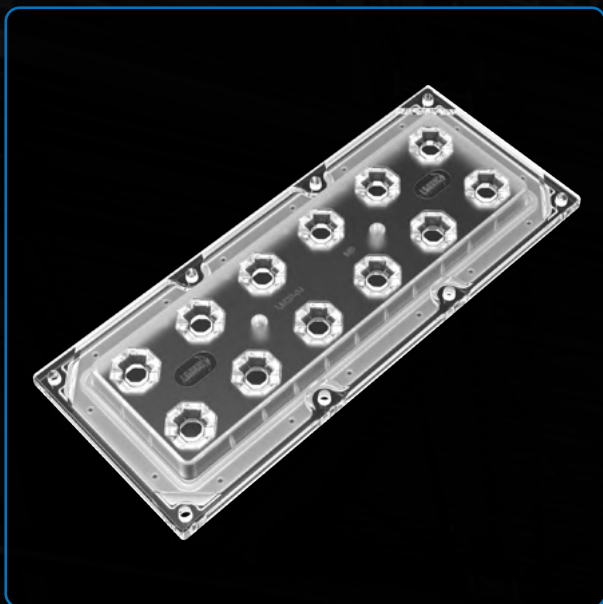
**NICHIA**  
NVSW319B

350mA	11,72W	1.885lm
700mA	23,86W	3.602lm
1400mA	50,23W	6.631lm

**NICHIA**  
NVSW219F-V1

350mA	11,72W	1.875lm
700mA	24,36W	3.557lm
1400mA	51,41W	6.477lm

# TL512NI-W71L173-HBL-60-MB



## Details

- Degree (FWHM): 60°
- Size W x L x H: 71x173x8 mm
- Efficiency: 91%
- Material: PC
- Fastening: Screw, Pin

MADE IN  
TURKEY

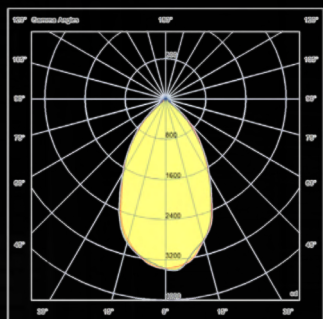
PATENT  
PENDING

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

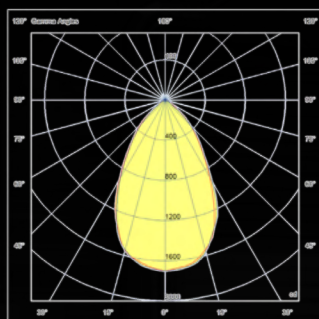
## Optical Results

NICHIA



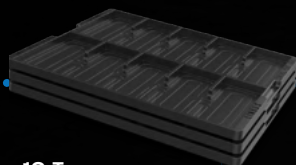
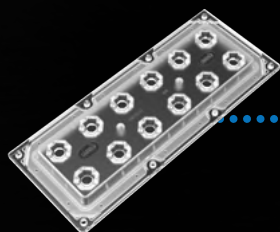
NVSW219F

LUMILEDS



LUXEON 5050

## Packing

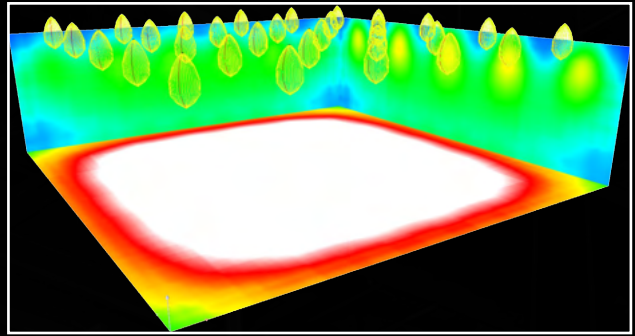
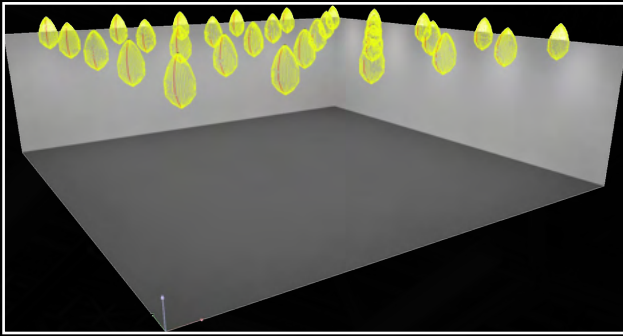


19 Trays  
10 Optics each



19 Trays  
190 Pcs  
Outer Box

# Polar Curves



## Module

### X-ML45146NCxx-NVSW219F-12



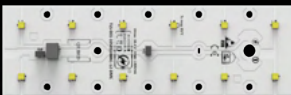
**NICHIA**  
NVSW219F

350mA	11,72W	1.875lm
700mA	24,36W	3.557lm
1400mA	51,41W	6.477lm

**NICHIA**  
NVSW319B

350mA	11,42W	1.885lm
700mA	23,86W	3.602lm
1400mA	50,23W	6.631lm

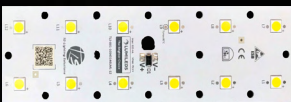
### X-ML45146NCxx-NVSxE21A-12



**NICHIA**  
NVSLE21AT

350mA	11,42W	1.862lm
700mA	23,94W	3.471lm
1400mA	49,56W	5.997lm

### X-ML45146LM-4070-5050xx-12-V2



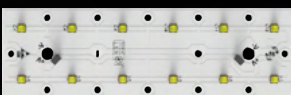
**LUMILEDS**  
5050-Round

500mA	35,16W	6.118lm
700mA	50,99W	8.107lm
800mA	59,23W	9.003lm

**LUMILEDS**  
5050-SQ

500mA	34,50W	6.141lm
700mA	49,64W	8.142lm
900mA	65,45W	9.948lm

### X-ML45146NCxx-NVSW319B-12



**NICHIA**  
NVSW319B

350mA	11,72W	1.885lm
700mA	23,86W	3.602lm
1400mA	50,23W	6.631lm

**NICHIA**  
NVSW219F-V1

350mA	11,72W	1.875lm
700mA	24,36W	3.557lm
1400mA	51,41W	6.477lm

# TL512NI-W71L173-HBL-90-WB



## Details

- Degree (FWHM): 90°
- Size W x L x H: 71x173x8 mm
- Efficiency: 91%
- Material: PC
- Fastening: Screw, Pin

MADE IN  
TURKEY

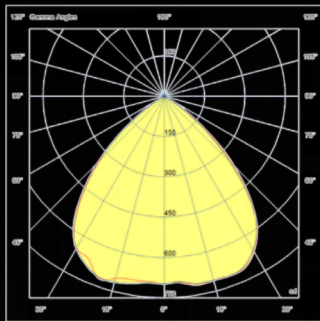
PATENT  
PENDING

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

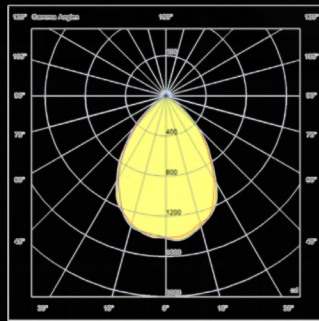
## Optical Results

NICHIA



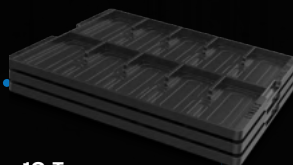
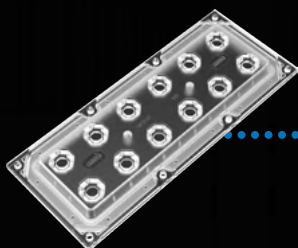
NVSW219F

LUMILEDS



LUXEON 5050

## Packing



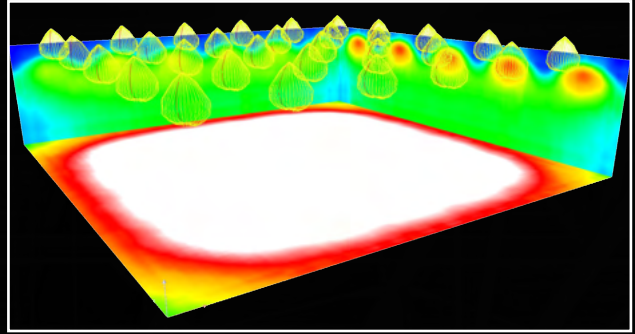
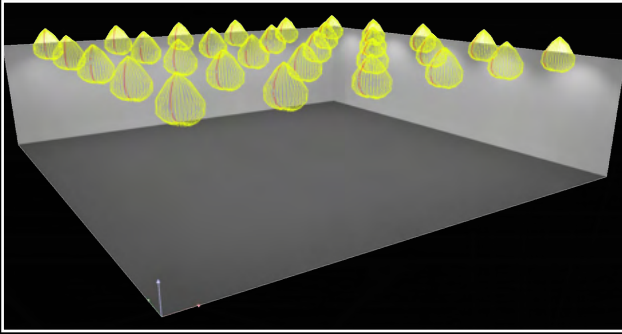
19 Trays  
10 Optics each



19 Trays  
190 Pcs  
Outer Box

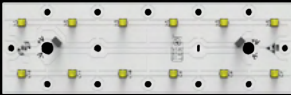


# Polar Curves



## Module

### X-ML45146NCxx-NVSW219F-12



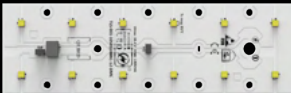
**NICHIA**  
NVSW219F

350mA	11,72W	1.875lm
700mA	24,36W	3.557lm
1400mA	51,41W	6.477lm

**NICHIA**  
NVSW319B

350mA	11,42W	1.885lm
700mA	23,86W	3.602lm
1400mA	50,23W	6.631lm

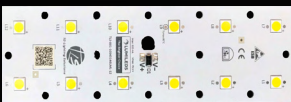
### X-ML45146NCxx-NVSxE21A-12



**NICHIA**  
NVSLE21AT

350mA	11,42W	1.862lm
700mA	23,94W	3.471lm
1400mA	49,56W	5.997lm

### X-ML45146LM-4070-5050xx-12-V2



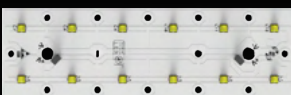
**LUMILEDS**  
5050-Round

500mA	35,16W	6.118lm
700mA	50,99W	8.107lm
800mA	59,23W	9.003lm

**LUMILEDS**  
5050-SQ

500mA	34,50W	6.141lm
700mA	49,64W	8.142lm
900mA	65,45W	9.948lm

### X-ML45146NCxx-NVSW319B-12



**NICHIA**  
NVSW319B

350mA	11,72W	1.885lm
700mA	23,86W	3.602lm
1400mA	50,23W	6.631lm

**NICHIA**  
NVSW219F-V1

350mA	11,72W	1.875lm
700mA	24,36W	3.557lm
1400mA	51,41W	6.477lm

# TL516NI-5050-30



## Details

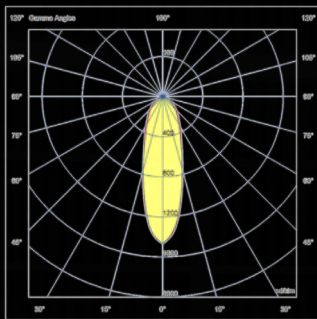
- Degree (FWHM): 30°
- Size W x L x H: 50x50x7.5mm
- Efficiency: 92%
- Material: PC
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



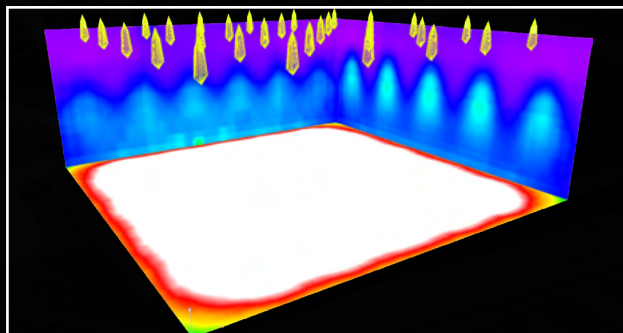
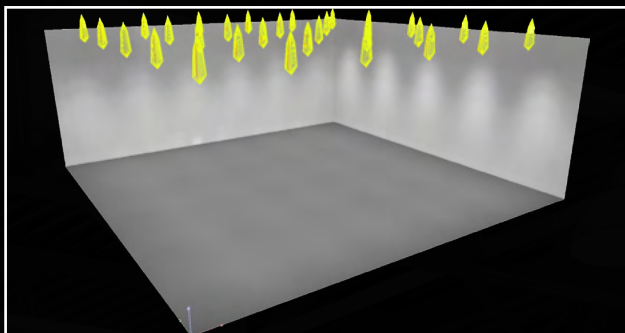
NF2W757GR-V3

## Packing



240 Pcs  
Outer Box

# Polar Curves



## Module

### X-MS17052NCxx-NF2W757GRV3-48



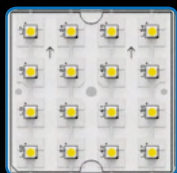
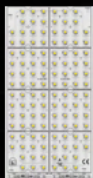
**NICHIA**  
NF2W757GR-V3

700mA	24,36W	3.703lm
1050mA	36,54W	5.116lm
1400mA	52,08W	7.187lm

**LUMILEDS**  
3030 2D-SQ

700mA	25,07W	4.263lm
1050mA	38,43W	6.072lm
1400mA	52,92W	7.832lm

### X-MS213106NCxx-NF2W757GRV3-120



**NICHIA**  
NF2W757GR-V3

700mA	60,90W	9.257lm
1050mA	89,25W	12.495lm
1400mA	130,20W	17.968lm

**LUMILEDS**  
3030 2D-SQ

700mA	62,69W	10.656lm
1000mA	91,50W	14.457lm
1400mA	132,30W	19.580lm

### X-MS223205NCxx-NF2W757GRV3-252



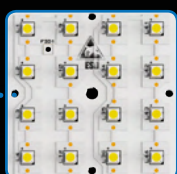
**NICHIA**  
NF2W757GR-V3

500mA	121,80W	18.514lm
700mA	174,93W	24.490lm
1050mA	273,42W	34.998lm

**LUMILEDS**  
3030 2D-SQ

500mA	125,37W	20.686lm
700mA	179,34W	28.336lm
1050mA	277,93W	38.341lm

### X-MS50223NCxx-NFSW757GT-V3-64



**Zhaga**

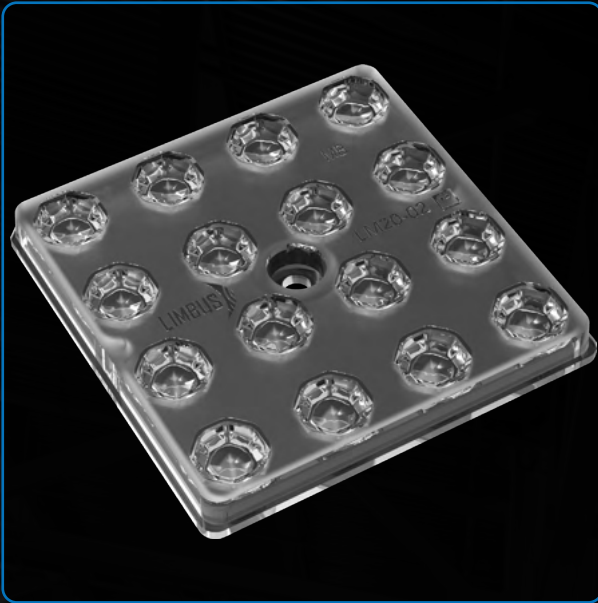
**NICHIA**  
NFSW757GT-V3

350mA	15,90W	2.879lm
500mA	23,68W	4.002lm
700mA	34,94W	5.416lm

**NICHIA**  
NF2W757GR-V3

350mA	31,58W	5.085lm
500mA	46,88W	6.798lm
700mA	68,66W	9.543lm

# TL516NI-5050-60-MB



## Details

- Degree (FWHM): 60°
- Size W x L x H: 50x50x5.35mm
- Efficiency: 93%
- Material: PMMA
- Fastening: Screw, Pin

MADE IN  
TURKEY

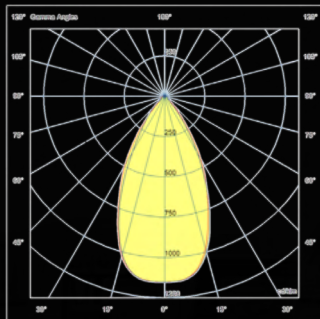
PATENT  
PENDING

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

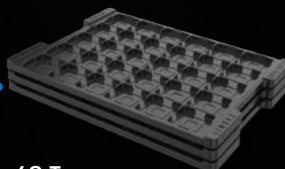
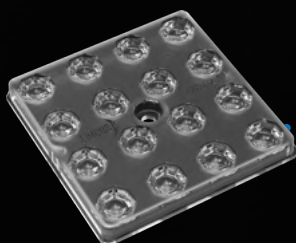
## Optical Results

NICHIA



NF2W757GR-V3

## Packing

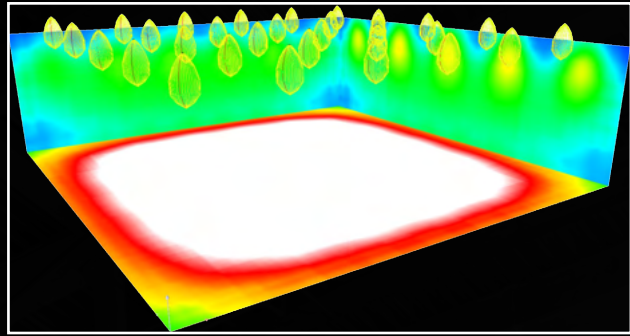
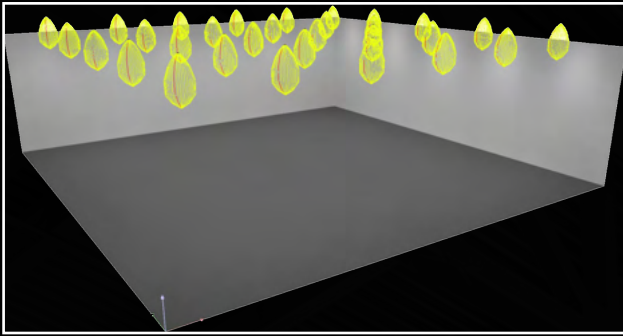


43 Trays  
30 Optics each



43 Trays  
1290 Pcs  
Outer Box

# Polar Curves



## Module

### X-MS17052NCxx-NF2W757GRV3-48



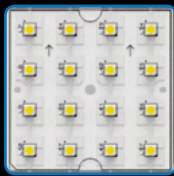
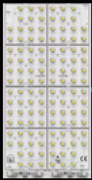
**NICHIA**  
NF2W757GR-V3

700mA	24,36W	3.703lm
1050mA	36,54W	5.116lm
1400mA	52,08W	7.187lm

**LUMILEDS**  
3030 2D-SQ

700mA	25,07W	4.263lm
1050mA	38,43W	6.072lm
1400mA	52,92W	7.832lm

### X-MS213106NCxx-NF2W757GRV3-120



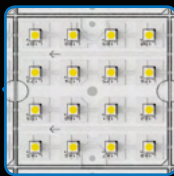
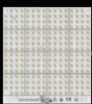
**NICHIA**  
NF2W757GR-V3

700mA	60,90W	9.257lm
1050mA	89,25W	12.495lm
1400mA	130,20W	17.968lm

**LUMILEDS**  
3030 2D-SQ

700mA	62,69W	10.656lm
1000mA	91,50W	14.457lm
1400mA	132,30W	19.580lm

### X-MS223205NCxx-NF2W757GRV3-252



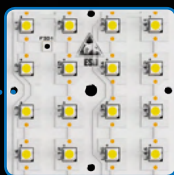
**NICHIA**  
NF2W757GR-V3

500mA	121,80W	18.514lm
700mA	174,93W	24.490lm
1050mA	273,42W	34.998lm

**LUMILEDS**  
3030 2D-SQ

500mA	125,37W	20.686lm
700mA	179,34W	28.336lm
1050mA	277,93W	38.341lm

### X-MS50223NCxx-NFSW757GT-V3-64



**Zhaga**

**NICHIA**  
NFSW757GT-V3

350mA	15,90W	2.879lm
500mA	23,68W	4.002lm
700mA	34,94W	5.416lm

**NICHIA**  
NF2W757GR-V3

350mA	31,58W	5.085lm
500mA	46,88W	6.798lm
700mA	68,66W	9.543lm

# TL516NI-5050-90-MB



## Details

- Degree (FWHM): 90°
- Size W x L x H: 50x50x4.7mm
- Efficiency: 93%
- Material: PMMA
- Fastening: Screw, Pin

MADE IN  
TURKEY

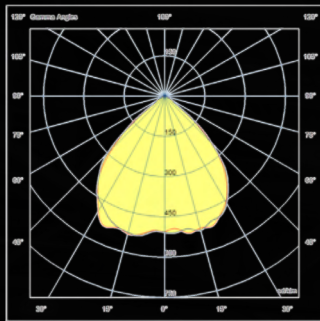
PATENT  
PENDING

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

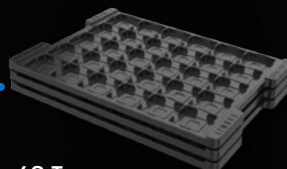
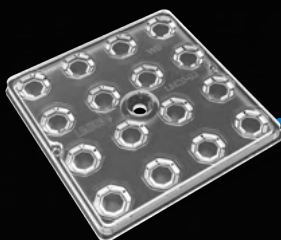
## Optical Results

NICHIA



NF2W757GR-V3

## Packing

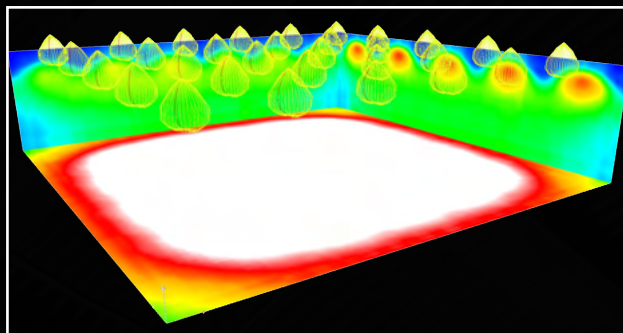
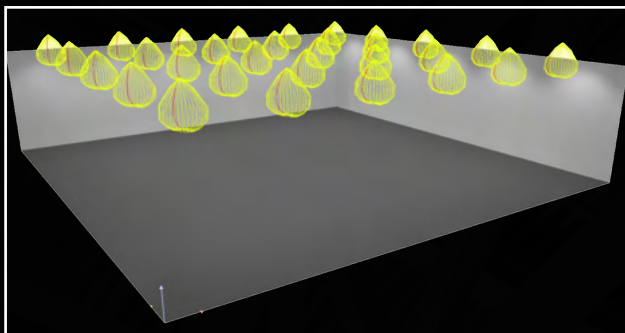


43 Trays  
30 Optics each



43 Trays  
1290 Pcs  
Outer Box

# Polar Curves



## Module

### X-MS17052NCxx-NF2W757GRV3-48



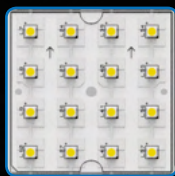
**NICHIA**  
NF2W757GR-V3

700mA	24,36W	3.703lm
1050mA	36,54W	5.116lm
1400mA	52,08W	7.187lm

**LUMILEDS**  
3030 2D-SQ

700mA	25,07W	4.263lm
1050mA	38,43W	6.072lm
1400mA	52,92W	7.832lm

### X-MS213106NCxx-NF2W757GRV3-120



**NICHIA**  
NF2W757GR-V3

700mA	60,90W	9.257lm
1050mA	89,25W	12.495lm
1400mA	130,20W	17.968lm

**LUMILEDS**  
3030 2D-SQ

700mA	62,69W	10.656lm
1000mA	91,50W	14.457lm
1400mA	132,30W	19.580lm

### X-MS223205NCxx-NF2W757GRV3-252



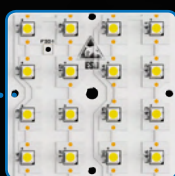
**NICHIA**  
NF2W757GR-V3

500mA	121,80W	18.514lm
700mA	174,93W	24.490lm
1050mA	273,42W	34.998lm

**LUMILEDS**  
3030 2D-SQ

500mA	125,37W	20.686lm
700mA	179,34W	28.336lm
1050mA	277,93W	38.341lm

### X-MS50223NCxx-NFSW757GT-V3-64



**Zhaga**

**NICHIA**  
NFSW757GT-V3

350mA	15,90W	2.879lm
500mA	23,68W	4.002lm
700mA	34,94W	5.416lm

**NICHIA**  
NF2W757GR-V3

350mA	31,58W	5.085lm
500mA	46,88W	6.798lm
700mA	68,66W	9.543lm

# TL516NI-W60L100-60-IP



## Details

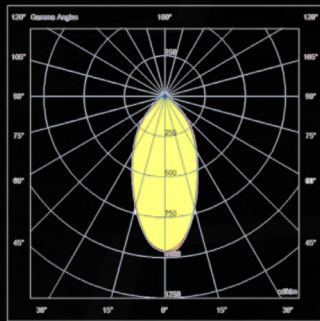
- Degree (FWHM): 60°
- Size W x L x H: 60x100x6.8mm
- Efficiency: 93%
- Material: PC
- Fastening: Screw, Pin

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



NF2W757GR-V3

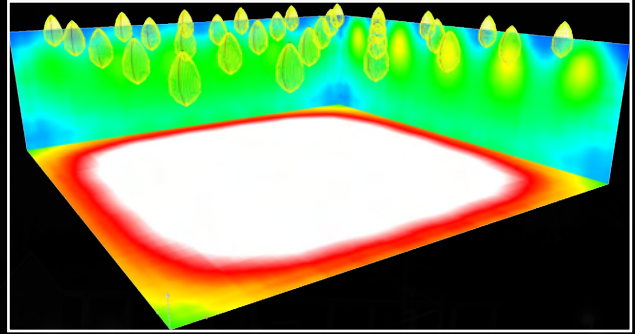
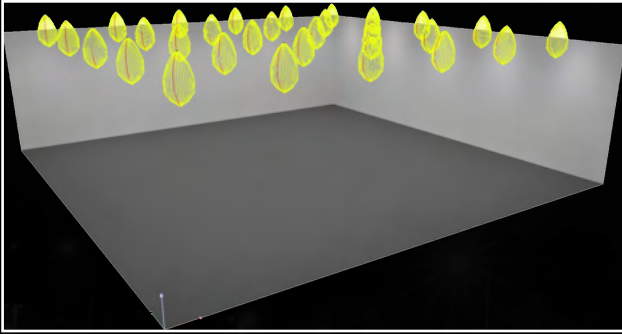
## Packing



179 Pcs  
Outer Box

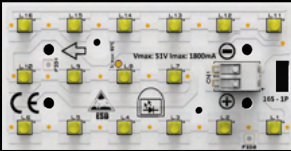


# Polar Curves



## Module

### X-MS4385NCxx-NVSW319B-16



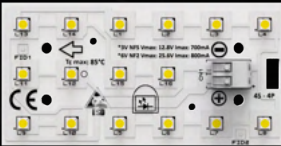
**NICHIA**  
NVSW319B

350mA	15,23W	2.513lm
700mA	31,81W	4.803lm
1400mA	66,98W	8.841lm

**NICHIA**  
NVSW219F-V1

350mA	15,62W	2.500lm
700mA	32,48W	4.742lm
1400mA	64,96W	8.185lm

### X-MS4385NCxx-NF2W757GRV3-16



**NICHIA**  
NF2W757FR-V3

350mA	7,98W	1.213lm
500mA	11,80W	1.652lm
700mA	17,36W	2.396lm

**LUMILEDS**  
3030 2D-SQ

350mA	8,36W	1.421lm
500mA	12,20W	1.928lm
700mA	17,64W	2.611lm

# TL524NI-5050-30



## Details

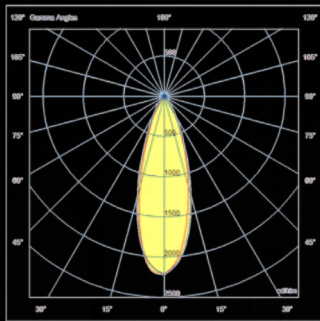
- Degree (FWHM): 30°
- Size W x L x H: 50x50x7.7mm
- Efficiency: 93%
- Material: PMMA
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



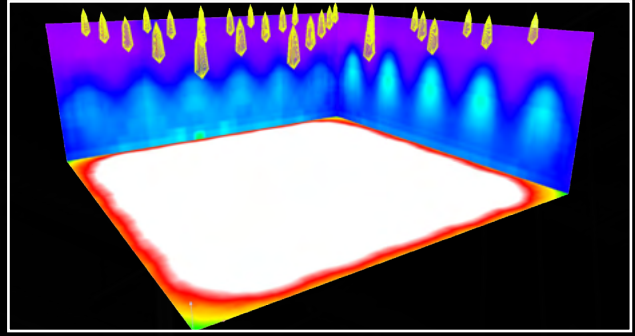
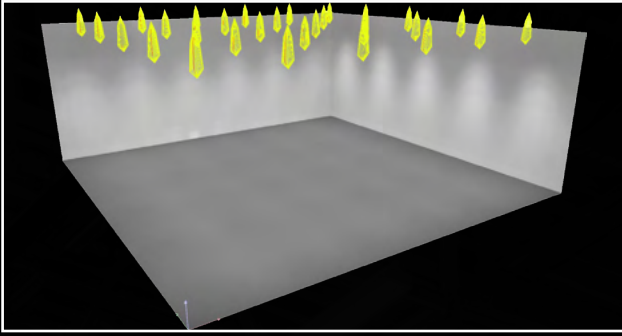
NF2W757GR-V3

## Packing

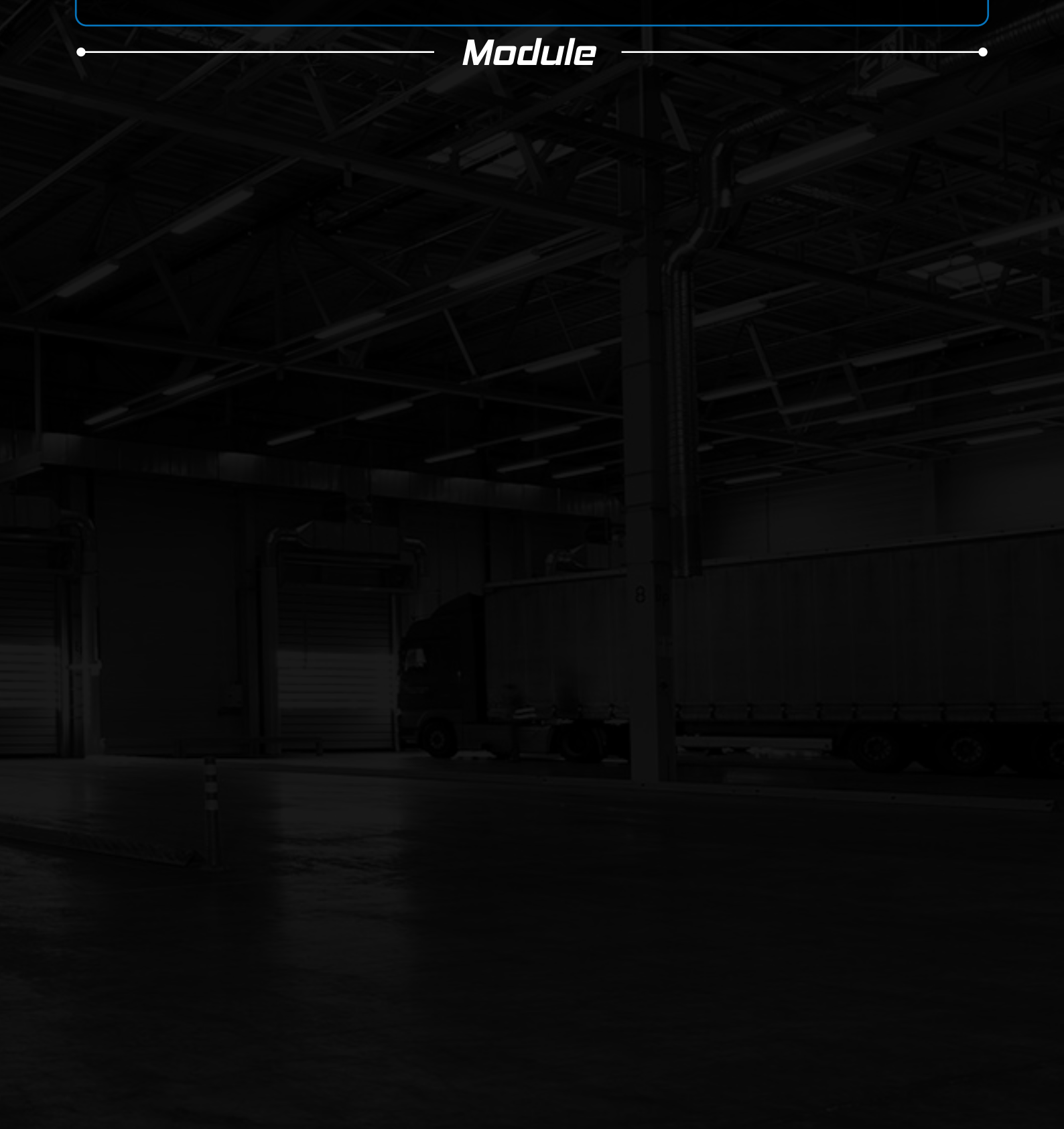


180 Pcs  
Outer Box

## *Polar Curves*



## *Module*



# TL524NI-5050-60



## Details

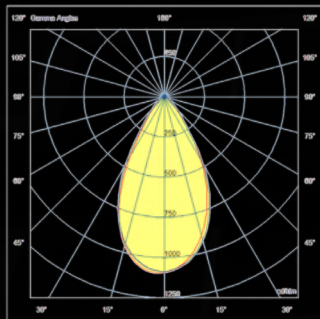
- Degree (FWHM): 60°
- Size W x L x H: 50x50x5.8mm
- Efficiency: 93%
- Material: PMMA
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



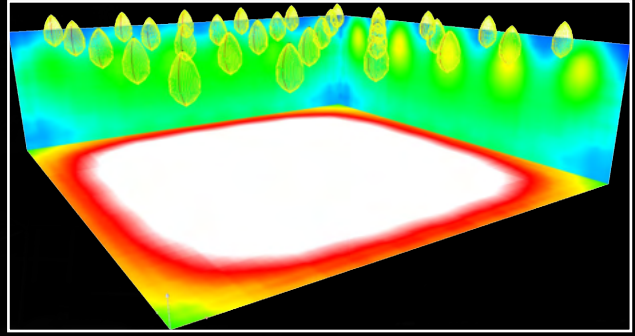
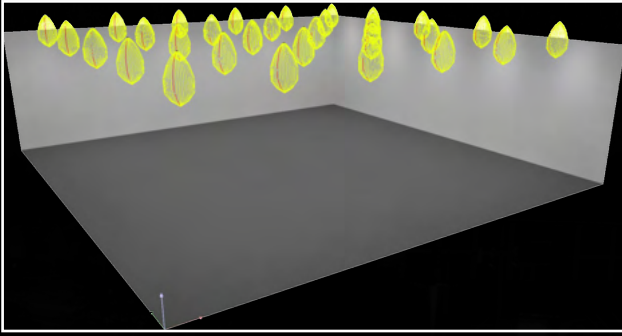
NF2W757GR-V3

## Packing

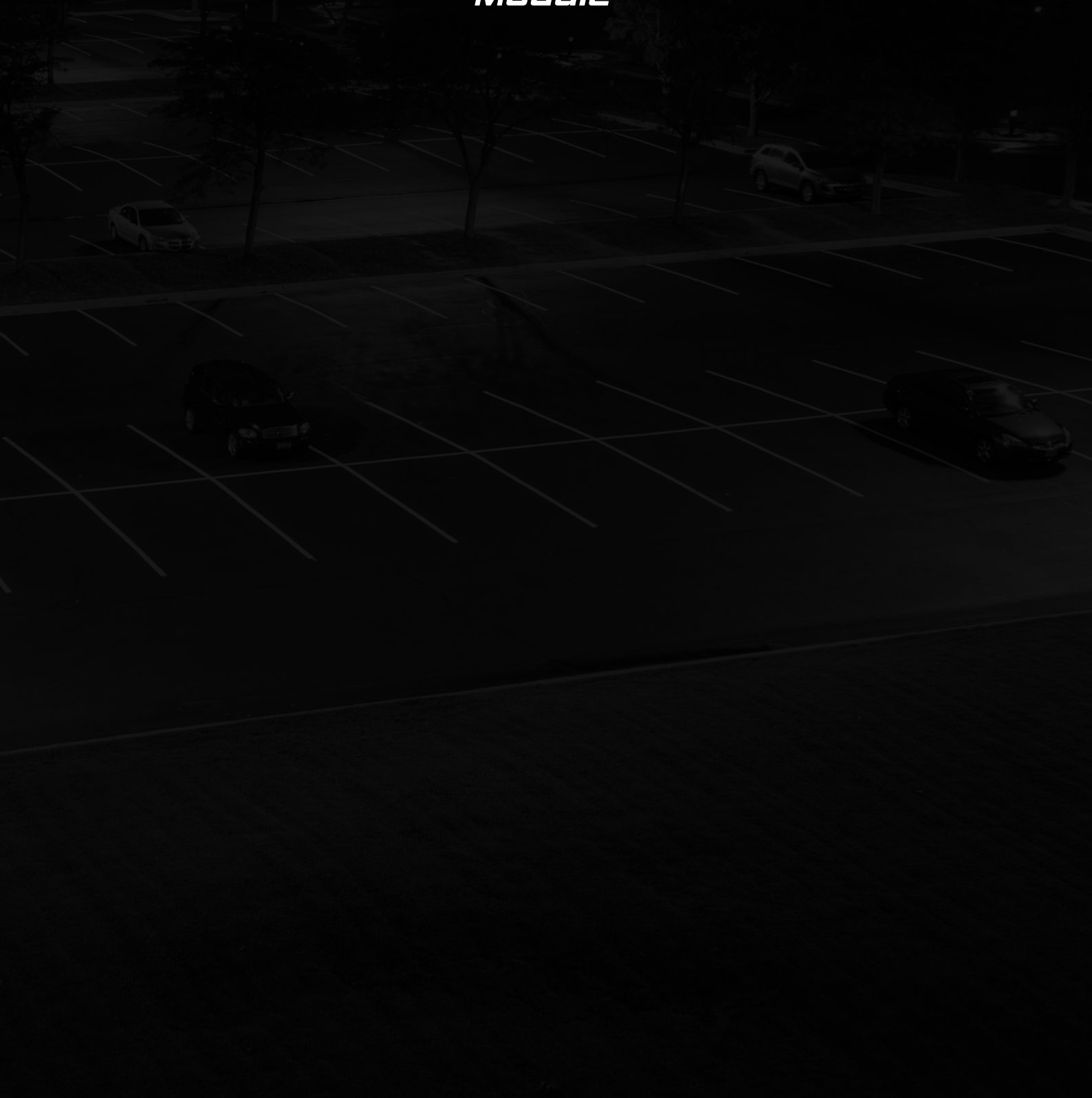


180 Pcs  
Outer Box

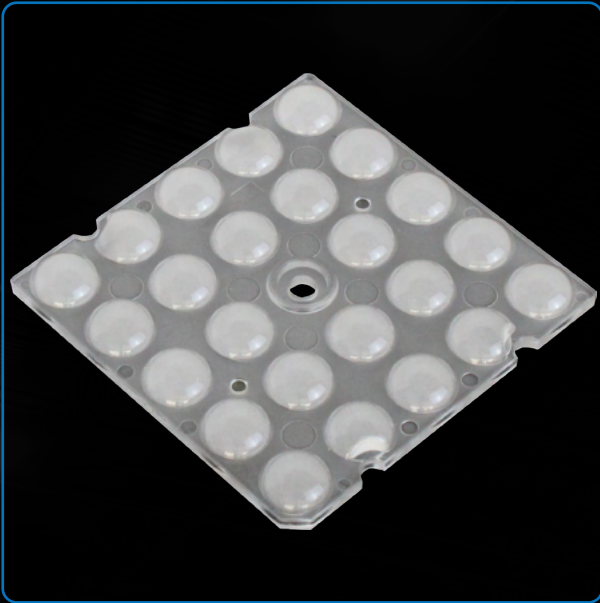
# *Polar Curves*



# *Module*



# TL524NI-5050-90



## Details

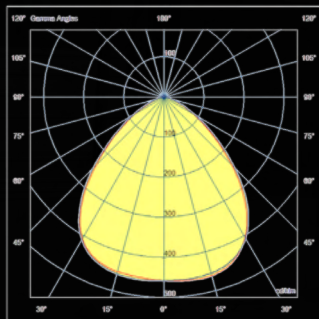
- Degree (FWHM): 90°
- Size W x L x H: 50x50x4.5mm
- Efficiency: 93%
- Material: PMMA
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

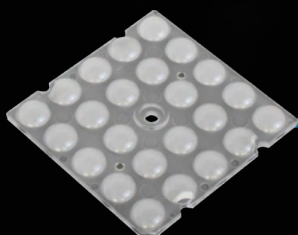
## Optical Results

NICHIA



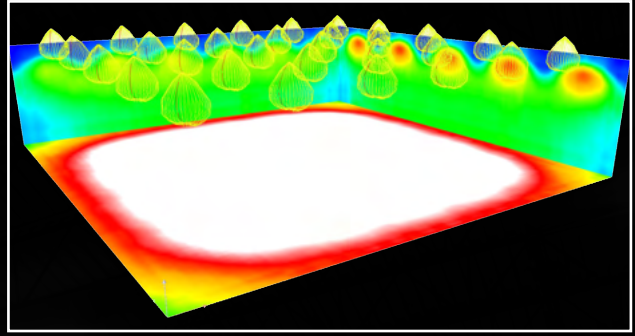
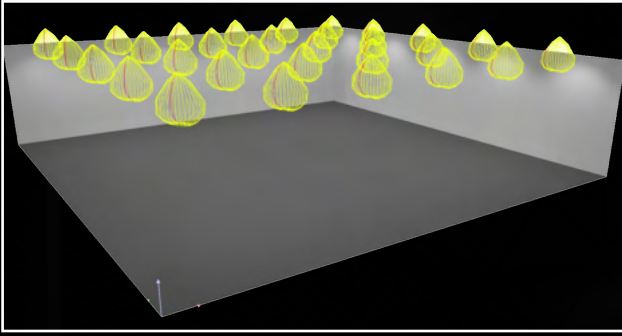
NF2W757GR-V3

## Packing



180 Pcs  
Outer Box

## *Polar Curves*



## *Module*

# TL524NI-5050-120



## Details

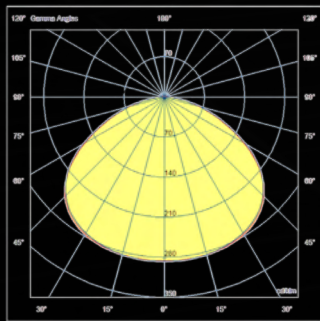
- Degree (FWHM): 120°
- Size W x L x H: 50x50x3.17mm
- Efficiency: 93%
- Material: PMMA
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



NF2W757GR-V3

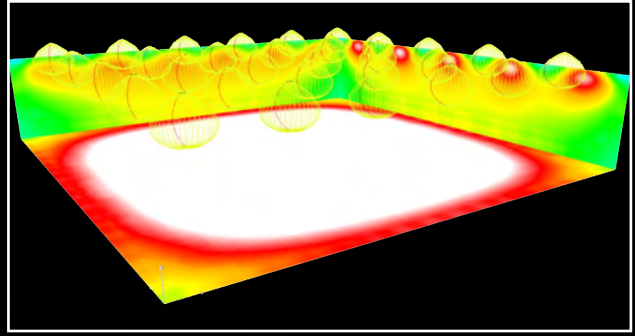
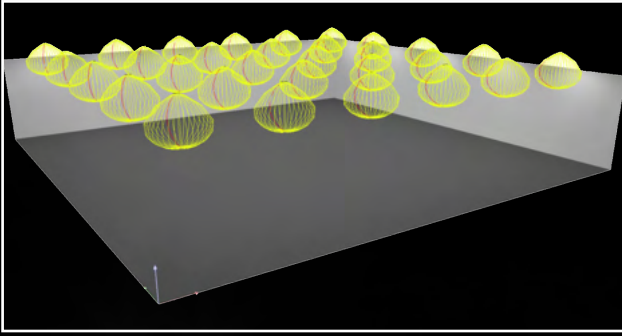
## Packing



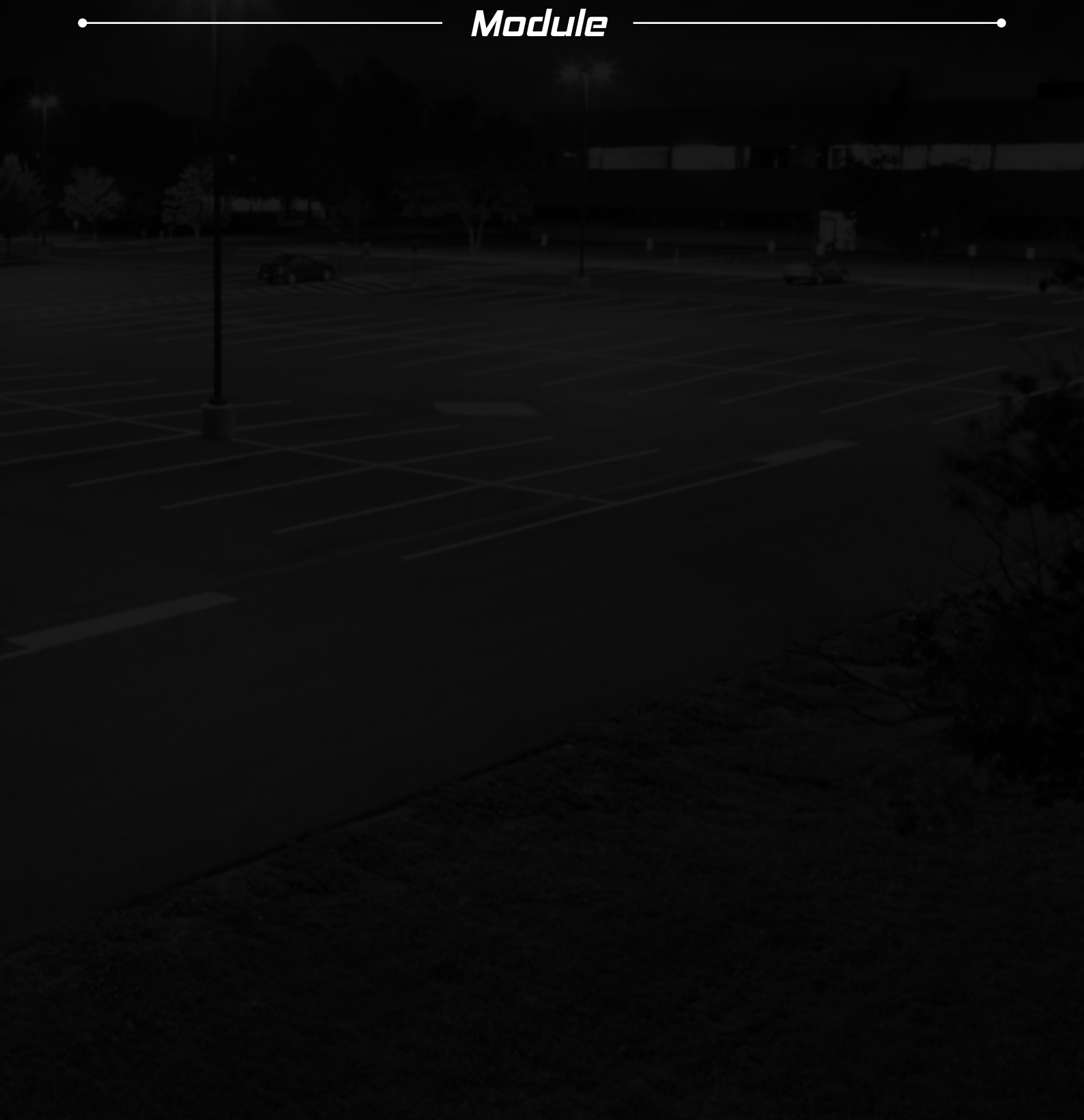
180 Pcs  
Outer Box



# *Polar Curves*



# *Module*



# TLS28NI-W100L100-60-IP



## Details

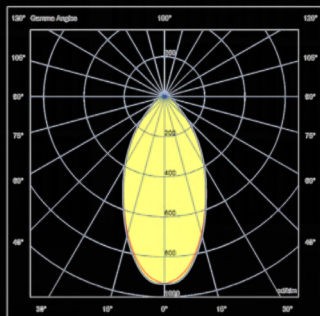
- Degree (FWHM): 60°
- Size W x L x H: 100x100x8.5mm
- Efficiency: 89%
- Material: PC
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

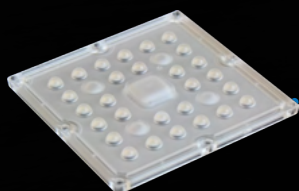
## Optical Results

NICHIA



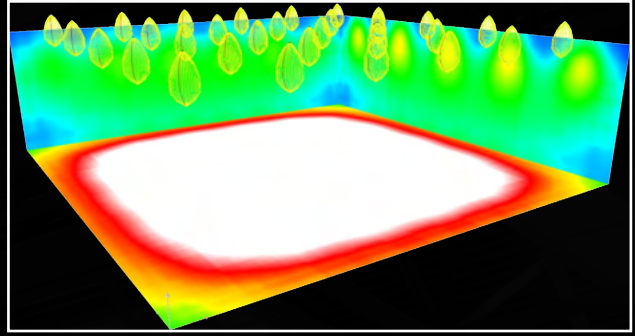
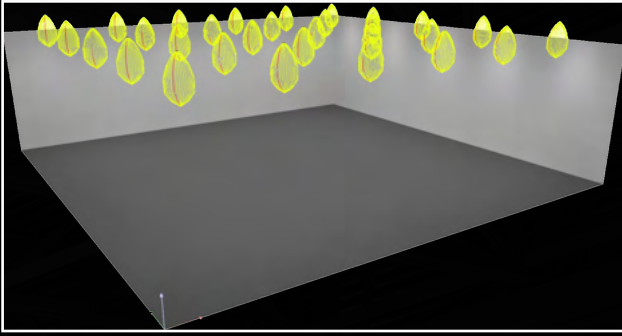
NF2W757GR-V3

## Packing



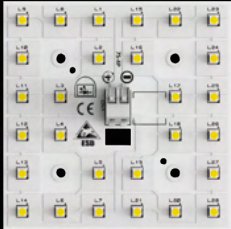
100 Pcs  
Outer Box

## Polar Curves



## Module

### X-MS7878NCxx-NF2W757GRV3-28



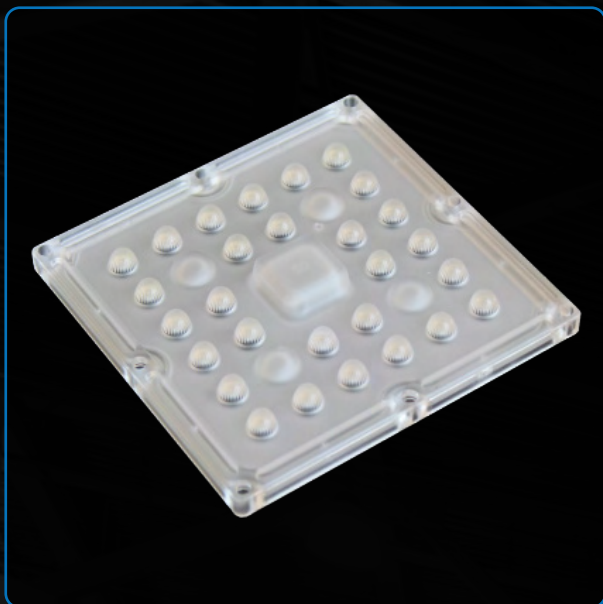
**NICHIA**  
NF2W757GR-V3

350mA	14,21W	2.160lm
500mA	20,30W	2.842lm
700mA	30,38W	4.192lm

**LUMILEDS**  
3030 2D-SQ

350mA	14,63W	2.487lm
500mA	21,35W	3.373lm
700mA	30,87W	4.569lm

# TL528NI-W100L100-90-IP



## Details

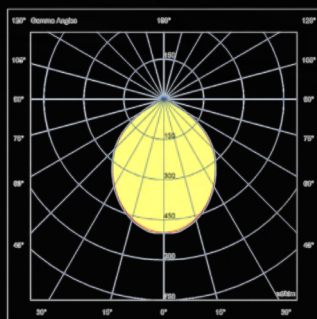
- Degree (FWHM): 90°
- Size W x L x H: 100x100x8.5mm
- Efficiency: 93%
- Material: PC
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

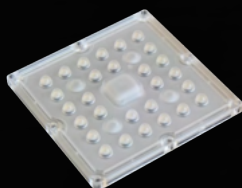
## Optical Results

NICHIA



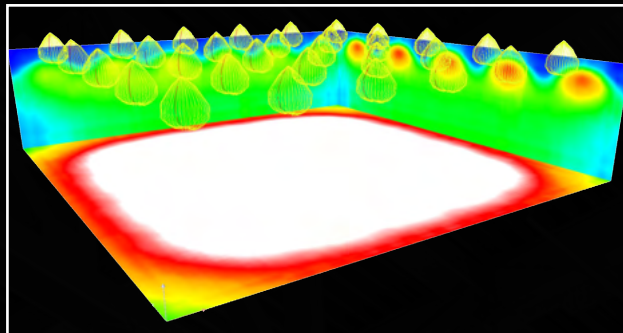
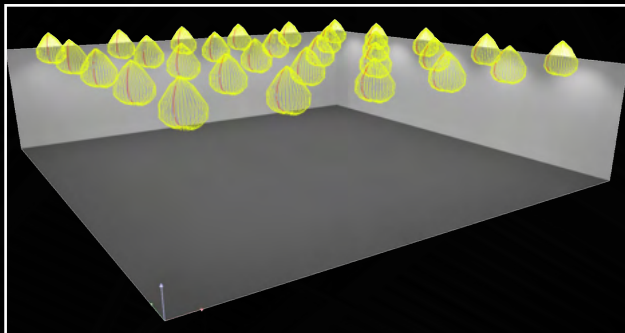
NF2W757GR-V3

## Packing



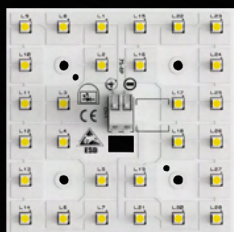
100 Pcs  
Outer Box

## Polar Curves



## Module

### X-MS7878NCxx-NF2W757GRV3-28



**NICHIA**  
NF2W757GR-V3

350mA	14,21W	2.160lm
500mA	20,30W	2.842lm
700mA	30,38W	4.192lm

**LUMILEDS**  
3030 2D-SQ

350mA	14,63W	2.487lm
500mA	21,35W	3.373lm
700mA	30,87W	4.569lm

# TLS28NI-W100L100-150-IP



## Details

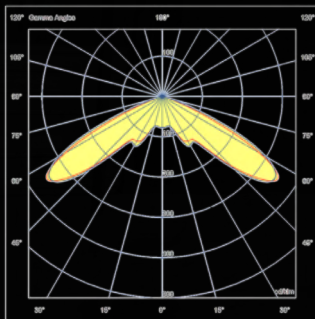
- Degree (FWHM): 150°
- Size W x L x H: 100x100x8.5mm
- Efficiency: 95%
- Material: PC
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

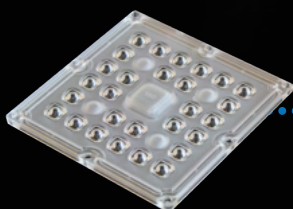
## Optical Results

NICHIA



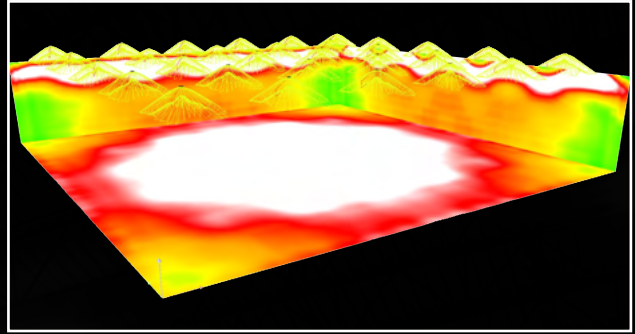
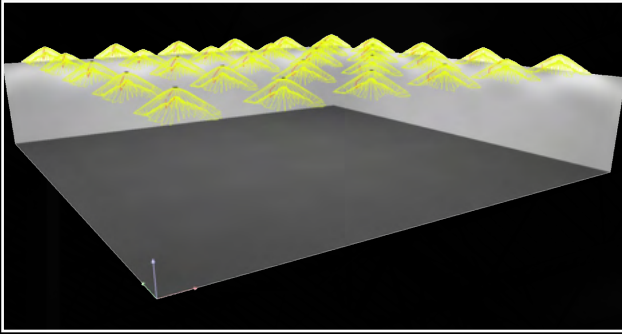
NF2W757GR-V3

## Packing



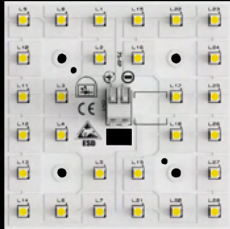
117 Pcs  
Outer Box

## Polar Curves



## Module

### X-MS7878NCxx-NF2W757GRV3-28



**NICHIA**  
NF2W757GR-V3

350mA	14,21W	2.160lm
500mA	20,30W	2.842lm
700mA	30,38W	4.192lm

**LUMILEDS**  
3030 2D-SQ

350mA	14,63W	2.487lm
500mA	21,35W	3.373lm
700mA	30,87W	4.569lm

# TL533NI-W61L286-30



## Details

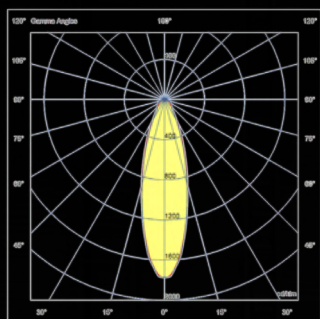
- Degree (FWHM): 30°
- Size W x L x H: 61x286x8.6mm
- Efficiency: 92%
- Material: PMMA
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

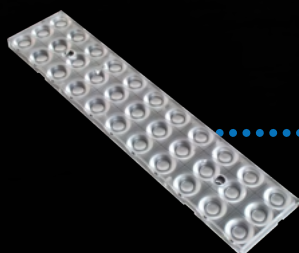
## Optical Results

NICHIA



NFSW757GR-V3

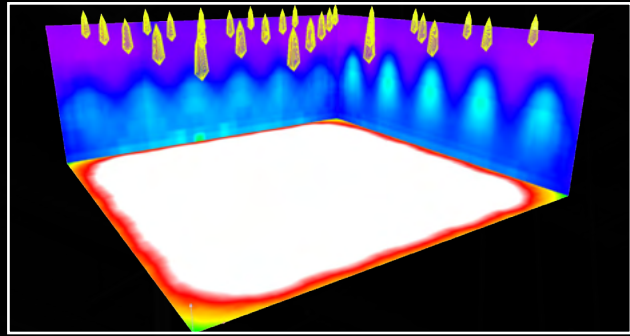
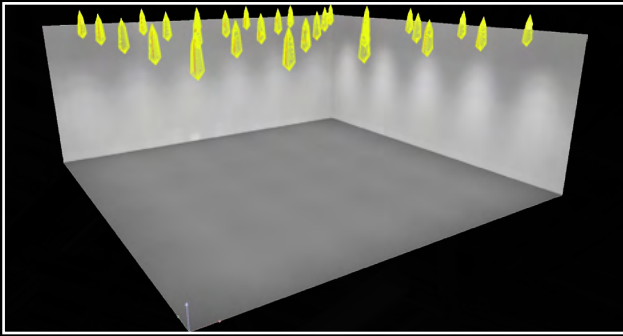
## Packing



40 Pcs  
Outer Box

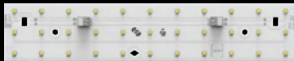


# Polar Curves



## Module

### X-ML55280NCxx-NFSW757H-33



**NICHIA**  
NFSW757H

250mA	7,48W	1.316lm
350mA	10,78W	1.768lm
500mA	15,95W	2.520lm

**NICHIA**  
NF2W757GR-V3

250mA	15,70W	2.465lm
350mA	22,91W	3.367lm
500mA	33,72W	4.686lm

### X-ML55280LMxx-2835xx-33



**LUMILEDS**  
2835HE

250mA	7,32W	1.463lm
350mA	10,40W	2.027lm
500mA	15,13W	2.874lm

**LUMILEDS**  
2835RA-2F1

250mA	7,37W	1.312lm
350mA	10,47W	1.801lm
500mA	15,29W	2.523lm

# TL533NI-W61L286-60



## Details

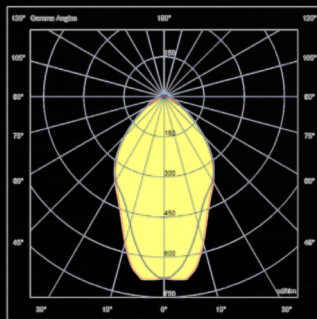
- Degree (FWHM): 60°
- Size W x L x H: 61x286x8.6mm
- Efficiency: 93%
- Material: PMMA
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



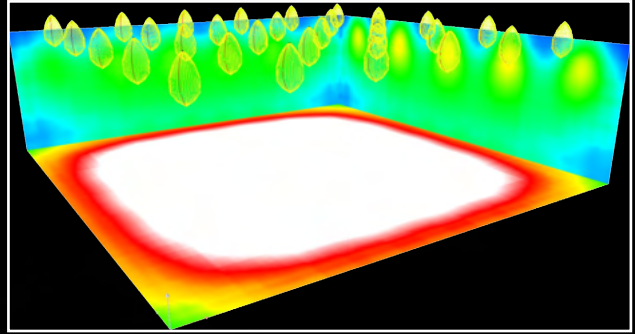
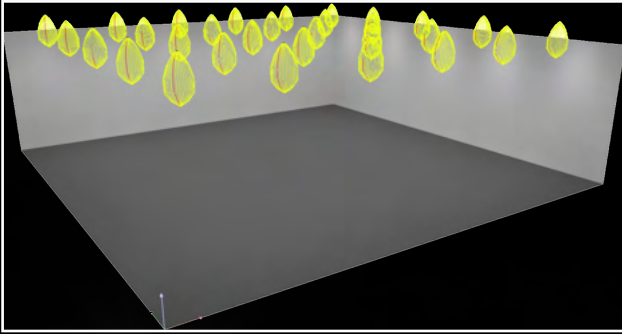
NFSW757GR-V3

## Packing



40 Pcs  
Outer Box

# Polar Curves



## Module

### X-ML55280NCxx-NFSW757H-33



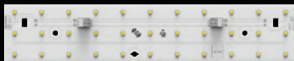
**NICHIA**  
NFSW757H

250mA	7,48W	1.316lm
350mA	10,78W	1.768lm
500mA	15,95W	2.520lm

**NICHIA**  
NF2W757GR-V3

250mA	15,70W	2.465lm
350mA	22,91W	3.367lm
500mA	33,72W	4.686lm

### X-ML55280LMxx-2835xx-33



**LUMILEDS**  
2835HE

250mA	7,32W	1.463lm
350mA	10,40W	2.027lm
500mA	15,13W	2.874lm

**LUMILEDS**  
2835RA-2F1

250mA	7,37W	1.312lm
350mA	10,47W	1.801lm
500mA	15,29W	2.523lm

# TL533NI-W61L286-90



## Details

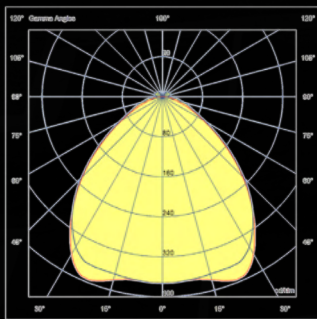
- Degree (FWHM): 90°
- Size W x L x H: 61x286x8.6mm
- Efficiency: 93%
- Material: PMMA
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

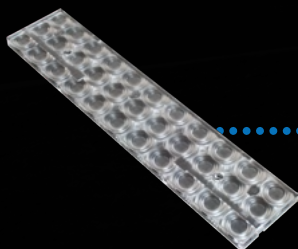
## Optical Results

NICHIA



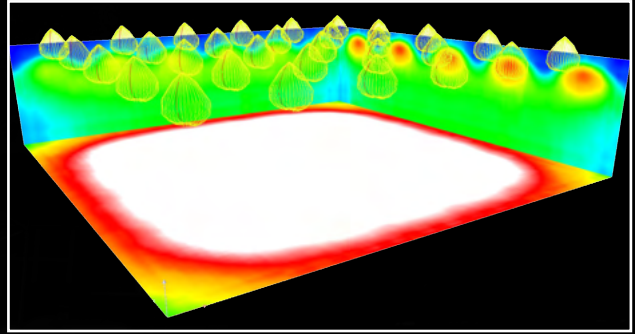
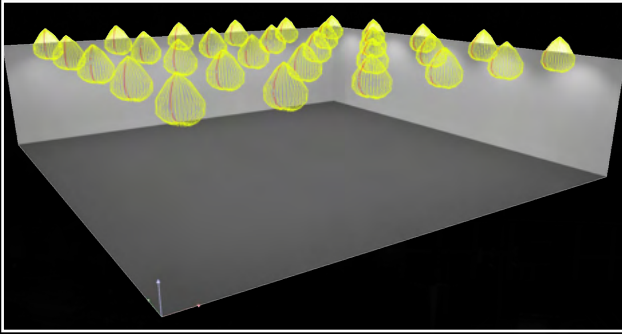
NFSW757GR-V3

## Packing



40 Pcs  
Outer Box

# Polar Curves



# Module

## X-ML55280NCxx-NFSW757H-33



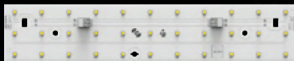
**NICHIA**  
NFSW757H

250mA	7,48W	1.316lm
350mA	10,78W	1.768lm
500mA	15,95W	2.520lm

**NICHIA**  
NF2W757GR-V3

250mA	15,70W	2.465lm
350mA	22,91W	3.367lm
500mA	33,72W	4.686lm

## X-ML55280LMxx-2835xx-33



**LUMILEDS**  
2835HE

250mA	7,32W	1.463lm
350mA	10,40W	2.027lm
500mA	15,13W	2.874lm

**LUMILEDS**  
2835RA-2F1

250mA	7,37W	1.312lm
350mA	10,47W	1.801lm
500mA	15,29W	2.523lm

# TL533NI-W65L286-60-IP



## Details

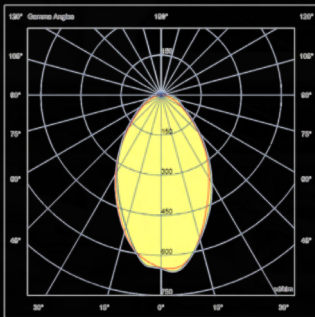
- Degree (FWHM): 60°
- Size W x L x H: 65x288x9.2mm
- Efficiency: 81%
- Material: PC
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



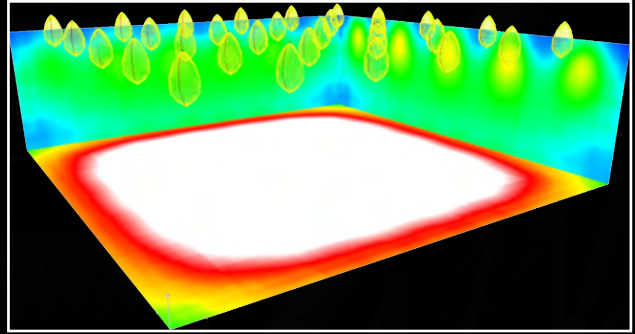
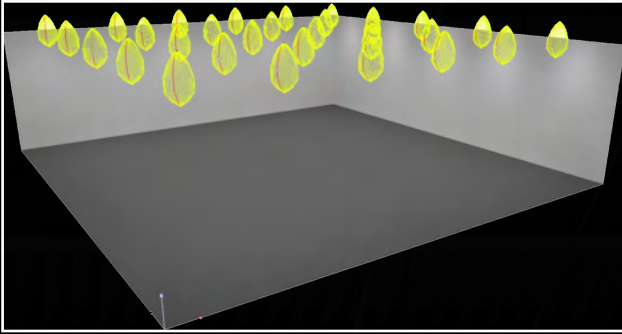
NFSW757GR-V3

## Packing



40 Pcs  
Outer Box

## Polar Curves



## Module

### X-ML56276NCxx-NFSW757H-33



**NICHIA**  
NFSW757H

250mA	7,48W	1.361lm
350mA	10,78W	1.811lm
500mA	15,95W	2.393lm

**NICHIA**  
NF2W757GR-V3

250mA	15,70W	2.465lm
350mA	22,91W	3.367lm
500mA	33,72W	4.686lm

# TL533NI-W65L286-90-IP



## Details

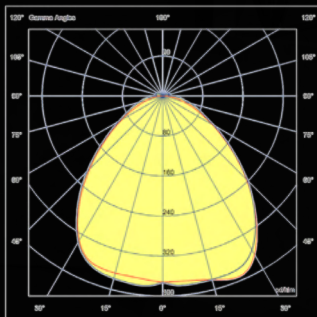
- Degree (FWHM): 90°
- Size W x L x H: 65x288x9.2mm
- Efficiency: 80%
- Material: PC
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



NFSW757GR-V3

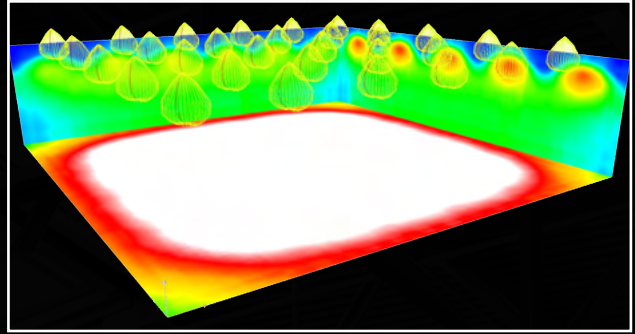
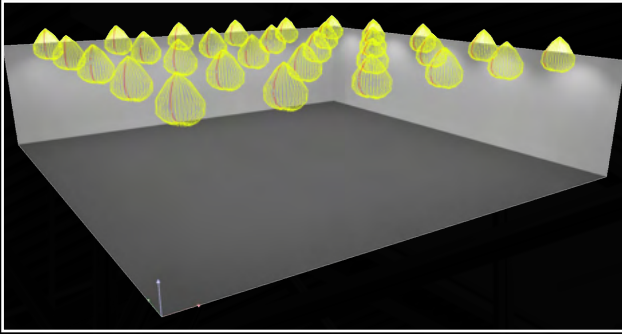
## Packing



40 Pcs  
Outer Box



## Polar Curves



## Module

### X-ML56276NCxx-NFSW757H-33



**NICHIA**  
NFSW757H

250mA	7,48W	1.361lm
350mA	10,78W	1.811lm
500mA	15,95W	2.393lm

**NICHIA**  
NF2W757GR-V3

250mA	15,70W	2.465lm
350mA	22,91W	3.367lm
500mA	33,72W	4.686lm

# TL536NI-W71L173-HBL-30-IP



## Details

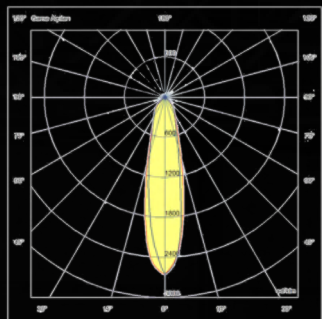
- Degree (FWHM): 30°
- Size W x L x H: 173x71.4x9.08mm
- Efficiency: 92%
- Material: PC
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



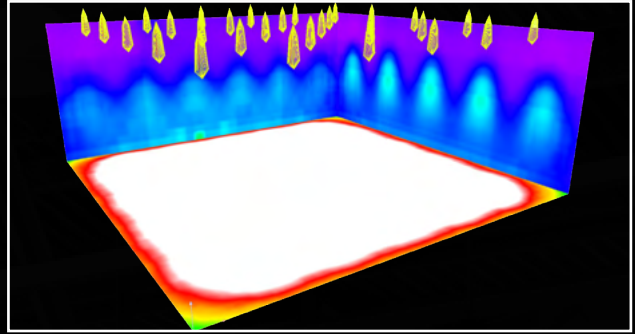
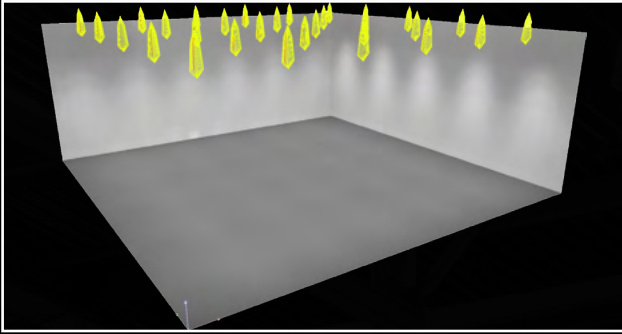
NF2757GR-V3

## Packing



87 Pcs  
Outer Box

## Polar Curves



## Module

### X-MS45146NCxx-NF2W757GR-V3-36



**NICHIA**  
NF2W757GR-V3

350mA	17,77W	2.860lm
500mA	26,37W	3.982lm
700mA	38,62W	5.368lm

**LUMILEDS**  
3030 2D-SQ

350mA	18,08W	3.110lm
500mA	26,69W	4.243lm
700mA	38,93W	5.645lm

# TLS36NI-W71L173-HBL-60-IP



## Details

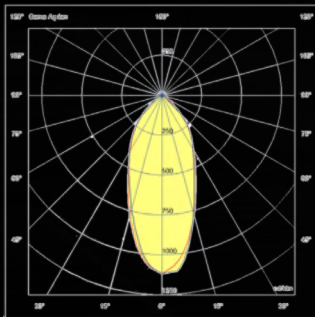
- Degree (FWHM): 60°
- Size W x L x H: 173x71.4x6.89mm
- Efficiency: 92%
- Material: PC
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



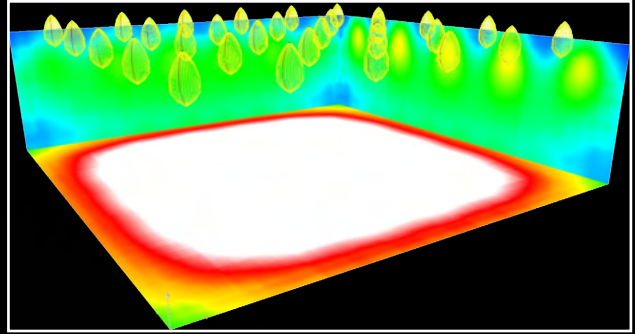
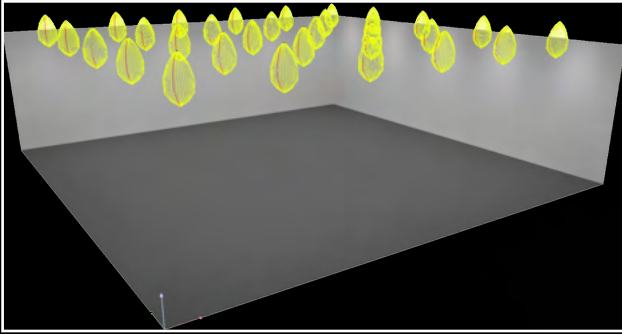
NF2757GR-V3

## Packing



100 Pcs  
Outer Box

# Polar Curves



# Module

## X-MS45146NCxx-NF2W757GR-V3-36



**NICHIA**  
NF2W757GR-V3

350mA	17,77W	2.860lm
500mA	26,37W	3.982lm
700mA	38,62W	5.368lm

**LUMILEDS**  
3030 2D-SQ

350mA	18,08W	3.110lm
500mA	26,69W	4.243lm
700mA	38,93W	5.645lm



# TLS36NI-W71L173-HBL-150-IP



## Details

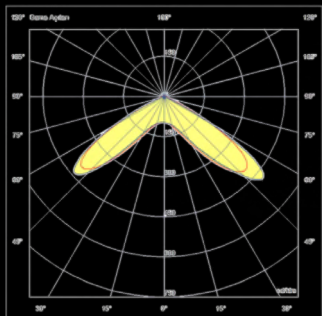
- Degree (FWHM): 150°
- Size W x L x H: 173x71.4x6.5mm
- Efficiency: 92%
- Material: PC
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



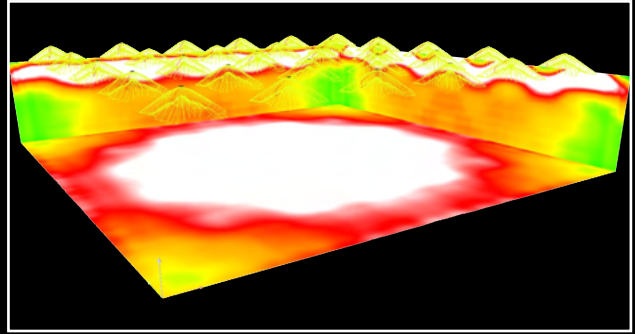
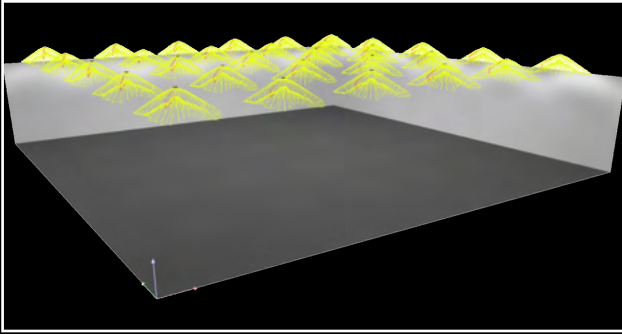
NF2757GR-V3

## Packing



100 Pcs  
Outer Box

## Polar Curves



## Module

### X-MS45146NCxx-NF2W757GR-V3-36

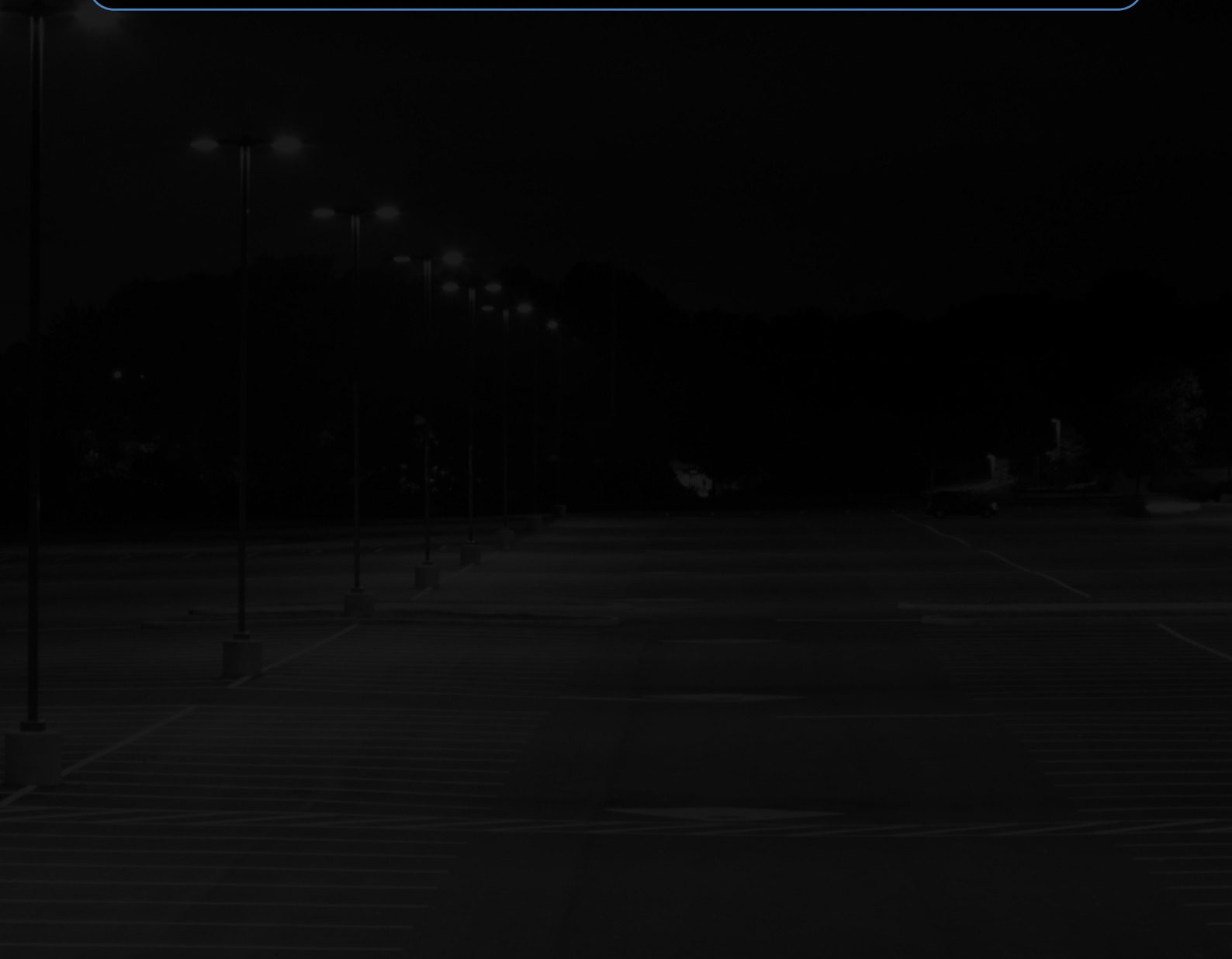


**NICHIA**  
NF2W757GR-V3

350mA	17,77W	2.860lm
500mA	26,37W	3.982lm
700mA	38,62W	5.368lm

**LUMILEDS**  
3030 2D-SQ

350mA	18,08W	3.110lm
500mA	26,69W	4.243lm
700mA	38,93W	5.645lm



# TLS40NI-W70L252-25-IP



## Details

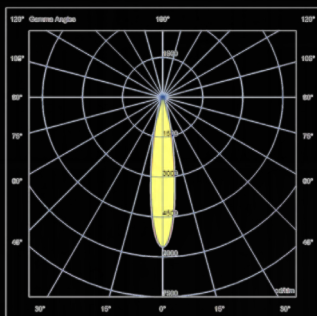
- Degree (FWHM): 25°
- Size W x L x H: 252x70x11.2mm
- Efficiency: 91%
- Material: PC
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



NF2W757GR-V3

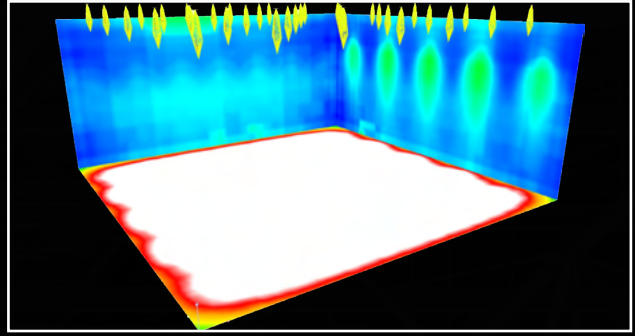
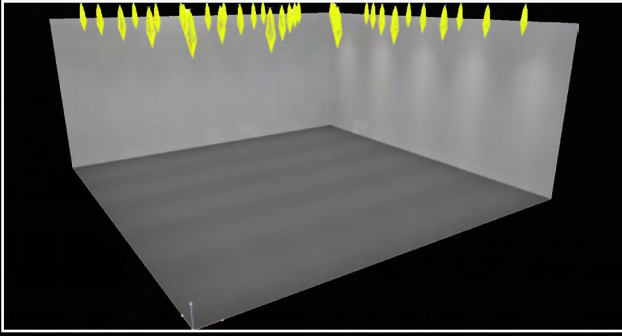
## Packing



40 Pcs  
Outer Box



## Polar Curves



## Module

### X-MS48223NCxx-NFSW757H-40



**NICHIA**  
NFSW757H

500mA	10,80W	1.901lm
700mA	15,68W	2.540lm
875mA	20,30W	3.126lm

**NICHIA**  
NF2W757H-F1

500mA	10,88W	2.067lm
700mA	15,68W	2.822lm
875mA	20,30W	3.451lm

# TLS40NI-W70L252-60-IP



## Details

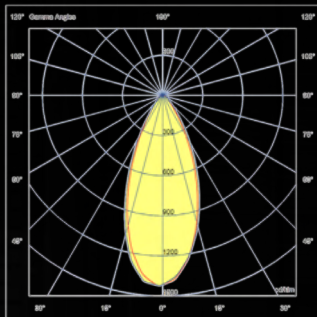
- Degree (FWHM): 60°
- Size W x L x H: 252x70x11.2mm
- Efficiency: 93%
- Material: PC
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



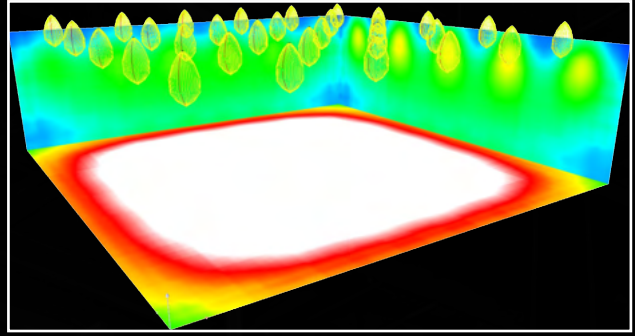
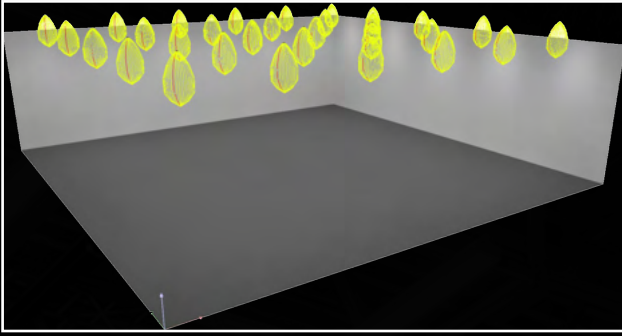
NF2W757GR-V3

## Packing



40 Pcs  
Outer Box

## Polar Curves



## Module

### X-MS48223NCxx-NFSW757H-40



**NICHIA**  
NFSW757H

500mA	10,80W	1.901lm
700mA	15,68W	2.540lm
875mA	20,30W	3.126lm

**NICHIA**  
NF2W757H-F1

500mA	10,88W	2.067lm
700mA	15,68W	2.822lm
875mA	20,30W	3.451lm

# TLS266NI-D263-60



## Details

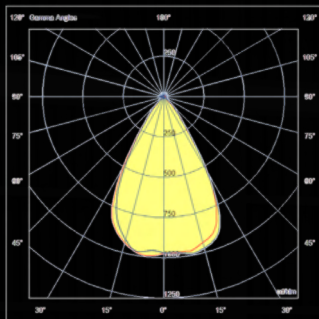
- Degree (FWHM): 60°
- Size W x L x H: 262.8mm
- Efficiency: 92%
- Material: PC
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



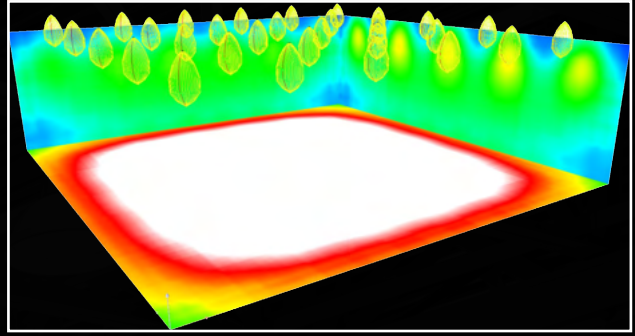
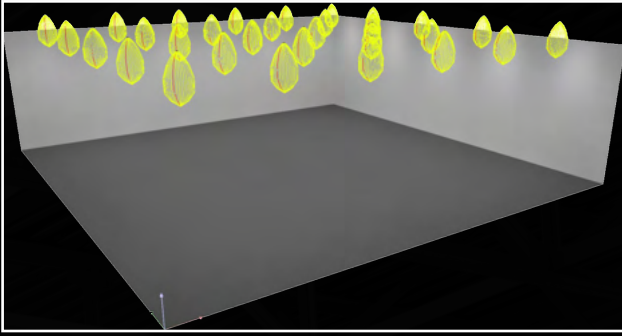
NFS757GR-V3

## Packing



70 Pcs  
Outer Box

## Polar Curves



## Module

### X-MR00226NCxx-NFSW757H-266



**NICHIA**  
NFSW757H

1050mA	53,87W	9.480lm
1400mA	74,48W	12.066lm
2000mA	110,20W	16.971lm

**NICHIA**  
NF2W757H-F1

1050mA	55,26W	10.310lm
1400mA	74,48W	13.406lm
2000mA	110,20W	18.734lm

# TLS266NI-D263-90



## Details

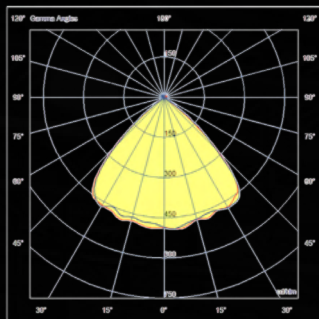
- Degree (FWHM): 90°
- Size W x L x H: 262.8mm
- Efficiency: 92%
- Material: PC
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



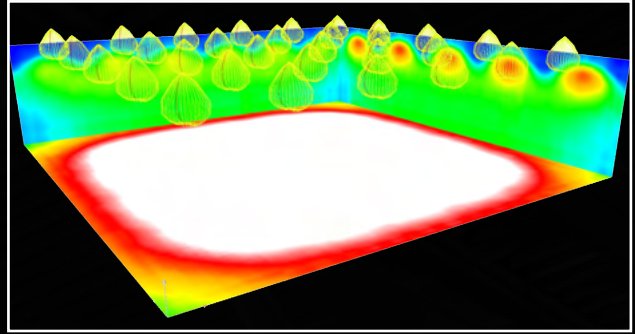
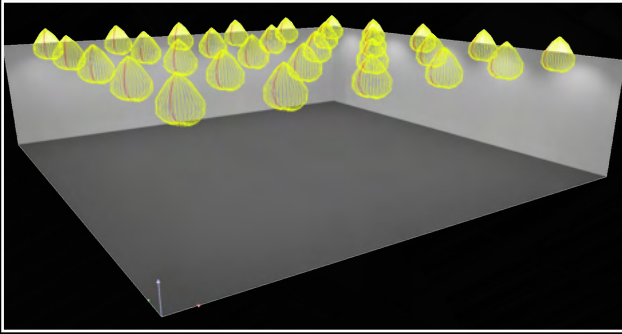
NFS757GR-V3

## Packing



70 Pcs  
Outer Box

# Polar Curves



# Module

## X-MR00226NCxx-NFSW757H-266



**NICHIA**  
NFSW757H

1050mA	53,87W	9.480lm
1400mA	74,48W	12.066lm
2000mA	110,20W	16.971lm

**NICHIA**  
NF2W757H-F1

1050mA	55,26W	10.310lm
1400mA	74,48W	13.406lm
2000mA	110,20W	18.734lm

# TLS266NI-D263-120



## Details

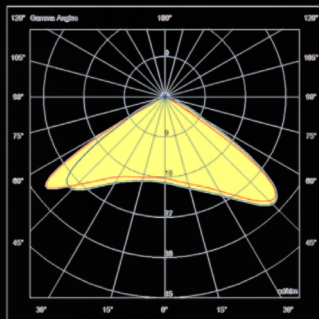
- Degree (FWHM): 90°
- Size W x L x H: 262.8mm
- Efficiency: 92%
- Material: PC
- Fastening: Screw

COMPATIBLE  
MODULE OPTIONS

HIGH QUALITY

## Optical Results

NICHIA



NFS757GR-V3

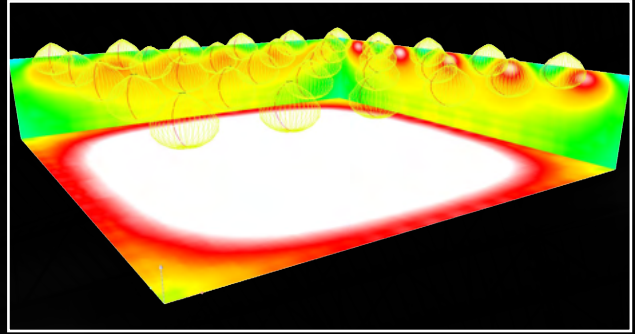
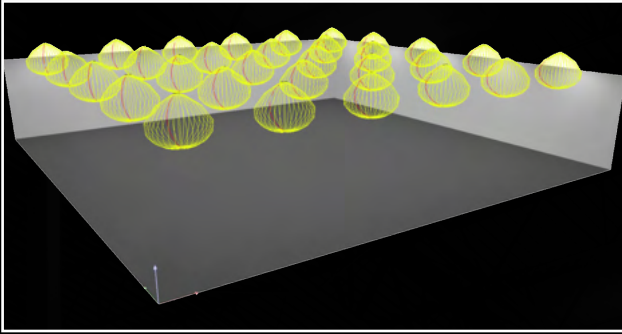
## Packing



70 Pcs  
Outer Box

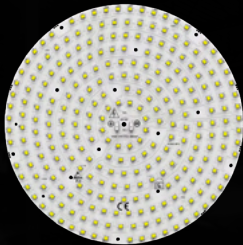


# Polar Curves



# Module

## X-MR00226NCxx-NFSW757H-266



**NICHIA**  
NFSW757H

1050mA	53,87W	9.480lm
1400mA	74,48W	12.066lm
2000mA	110,20W	16.971lm

**NICHIA**  
NF2W757H-F1

1050mA	55,26W	10.310lm
1400mA	74,48W	13.406lm
2000mA	110,20W	18.734lm

# CUSTOMIZATION PROCESS

1

## Optical Requirement

Target FWHM, IES  
Lens Size  
LED  
Application

## Optical Design Report

Our R&D will design and share the datas within 10 days.

2

3

## Structure Design

If you are satisfied with the optical report, we will process to structure designing. Please provide us with the assembly drawing, structure drawing and any files that are helpful for us to design structure which will perfectly meet your expectations.

## Structure Confirm

We ask for your confirmation whether the lens structure conflict with the PCB, component location and luminaire.

4

5

## Mold Production

We need 20-35 working days to produce the mold, then will send you the samples when the mold finished.

## Confirm The Samples

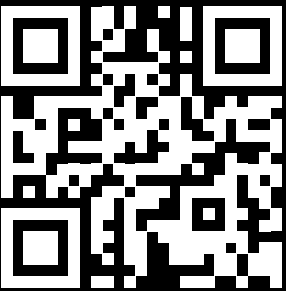
Whether the samples are the same as the optical design and structure design.

6

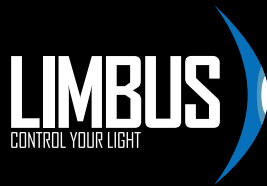
7

## Mass Production

After sample approval, we will start producing the best optics for you!



[www.limbus.com.tr](http://www.limbus.com.tr)



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