

### SPORT-2X2-S1

~10° spot beam.

#### **SPECIFICATION:**

**Dimensions** 50.0 x 50.0 mm Height 16 mm Fastening screw **ROHS** compliant yes 🕕



Box weight (kg)

#### **MATERIALS:**

**Type** Material Colour **Finish** Component SPORT-2X2-S1 Multi-lens **PMMA** clear

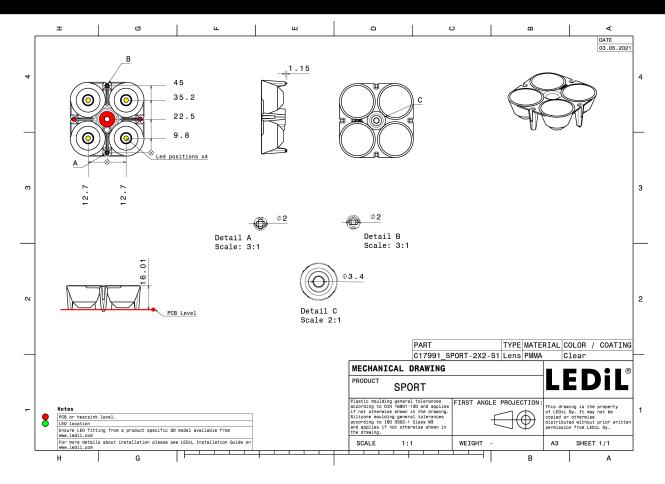
#### **ORDERING INFORMATION:**

Component Qty in box MOQ MPQ

512 C17991\_SPORT-2X2-S1 128 32 10.8 » Box size: 480 x 280 x 300 mm



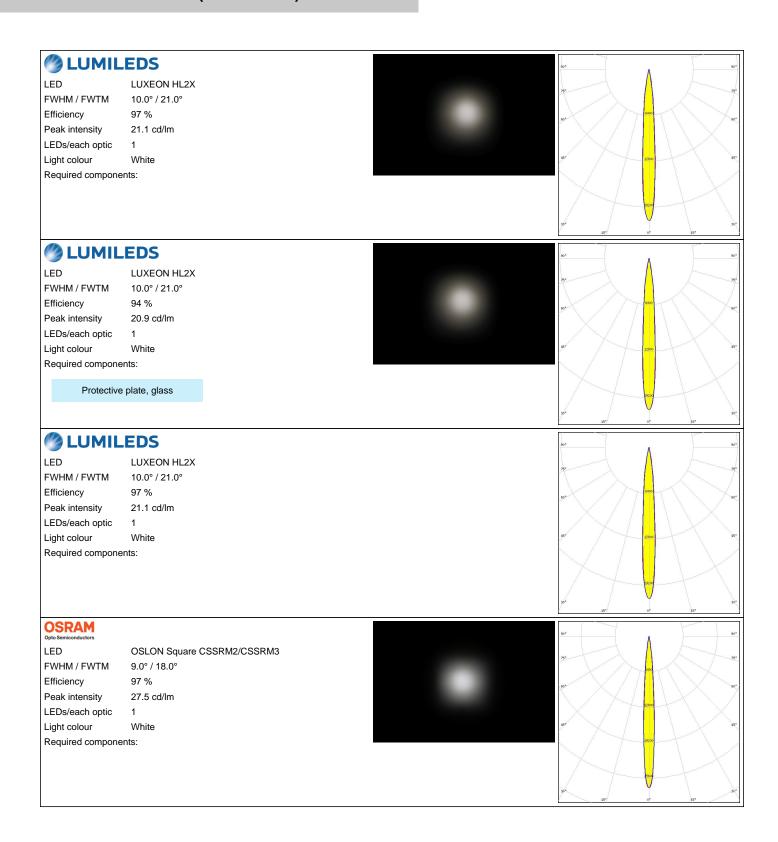
# PRODUCT DATASHEET C17991\_SPORT-2X2-S1



See also our general installation guide: www.ledil.com/installation\_guide



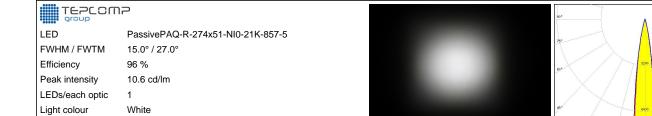
# **OPTICAL RESULTS (MEASURED):**





# **OPTICAL RESULTS (MEASURED):**

Required components:



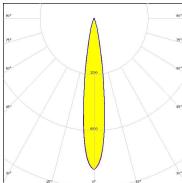


#### CREE \$\text{LED}

LED J Series 5050 Round LES

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 16.0° / 32.0° Efficiency 95 % Peak intensity 8.6 cd/lm LEDs/each optic Light colour White

Required components:

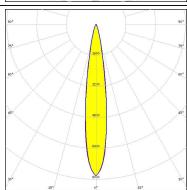


#### CREE - LED

LED J Series 5050 Round LES

FWHM / FWTM 16.0° / 32.0° Efficiency 87 % Peak intensity 7.8 cd/lm LEDs/each optic 1 White Light colour Required components:

Protective plate, glass

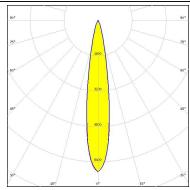


#### CREE + LED

J Series 5050 Square LES 6V LED

FWHM / FWTM 18.0° / 34.0° Efficiency 87 % Peak intensity 6.9 cd/lm LEDs/each optic 1 Light colour White Required components:

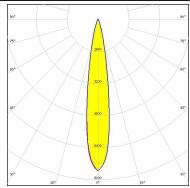
Protective plate, glass



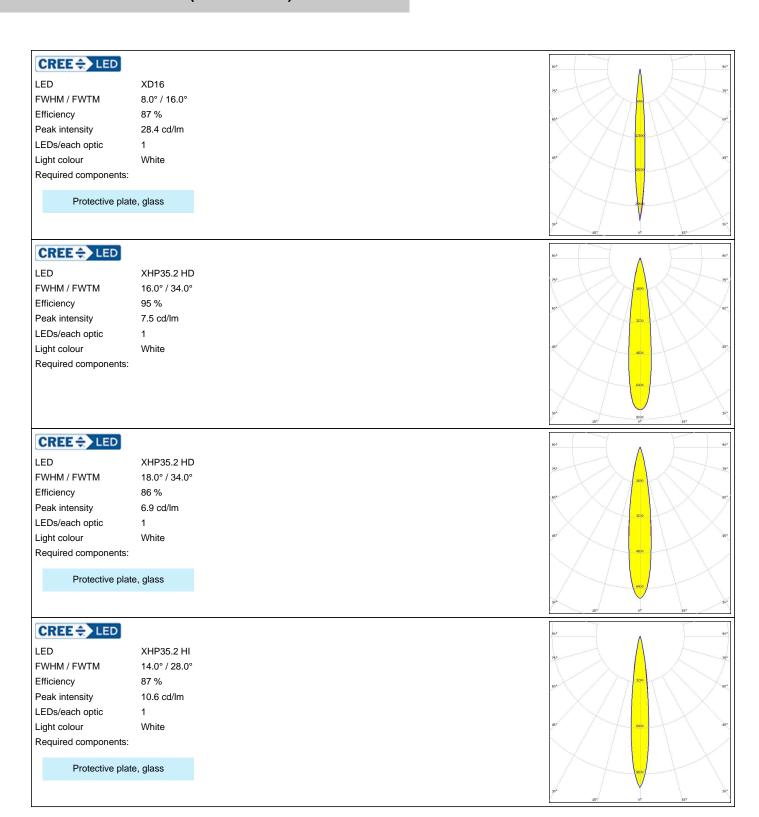
#### CREE & LED

J Series 5050 Square LES 6V

FWHM / FWTM 16.0° / 34.0° Efficiency 95 % Peak intensity 7.6 cd/lm LEDs/each optic White Light colour Required components:







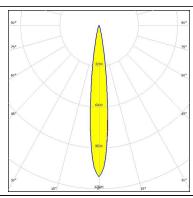


White



LED XHP35.2 HI  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 14.0° / 26.0° Efficiency 95 % Peak intensity 11.9 cd/lm LEDs/each optic

Light colour Required components:

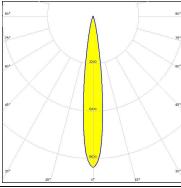


#### CREE - LED

LED XHP50.3 HI FWHM / FWTM 14.0° / 28.0° Efficiency 95 % Peak intensity 10.2 cd/lm

LEDs/each optic 1 White Light colour

Required components:

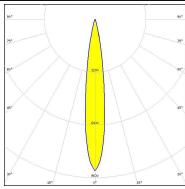


#### CREE + LED

LED XHP50.3 HI FWHM / FWTM 14.0° / 28.0° Efficiency 87 % Peak intensity 9.2 cd/lm LEDs/each optic 1 Light colour White

Required components:

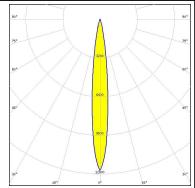
Protective plate, glass



#### CREE - LED

XM-L3 FWHM / FWTM 12.0° / 26.0° Efficiency 95 % Peak intensity 12.5 cd/lm LEDs/each optic

White Light colour Required components:





### CREE \$\text{LED}

 LED
 XM-L3

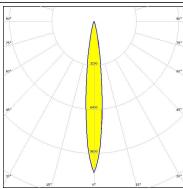
 FWHM / FWTM
 12.0° / 28.0°

 Efficiency
 87 %

Peak intensity 11 cd/lm LEDs/each optic 1

Light colour White Required components:

Protective plate, glass

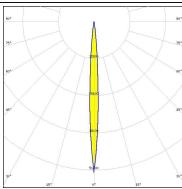


#### CREE - LED

LED XP-E
FWHM / FWTM 6.0° / 14.0°
Efficiency 95 %
Peak intensity 52.2 cd/lm

LEDs/each optic 1
Light colour White

Required components:

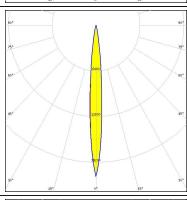


#### CREE + LED

LED XP-G2
FWHM / FWTM 10.0° / 20.0°
Efficiency 90 %
Peak intensity 21.3 cd/lm
LEDs/each optic 1

Light colour White Required components:

Protective plate, glass

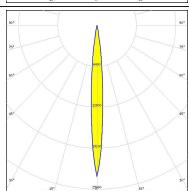


#### CREE - LED

LED XP-G2 HE
FWHM / FWTM 10.0° / 20.0°
Efficiency 91 %
Peak intensity 23.7 cd/lm
LEDs/each optic 1
Light colour White

Required components:

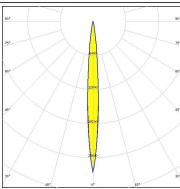
Protective plate, glass





#### CREE \$\text{LED}

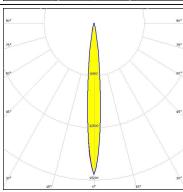
LED XP-G2 HE
FWHM / FWTM 8.0° / 18.0°
Efficiency 95 %
Peak intensity 28.5 cd/lm
LEDs/each optic 1
Light colour White



#### CREE - LED

Required components:

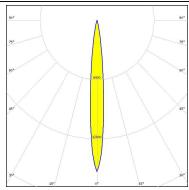
LED XP-G3
FWHM / FWTM 10.0° / 22.0°
Efficiency 95 %
Peak intensity 18.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



#### CREE = LED

LED XP-G3
FWHM / FWTM 10.0° / 22.0°
Efficiency 86 %
Peak intensity 16.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

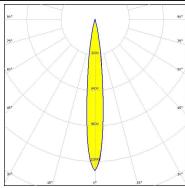




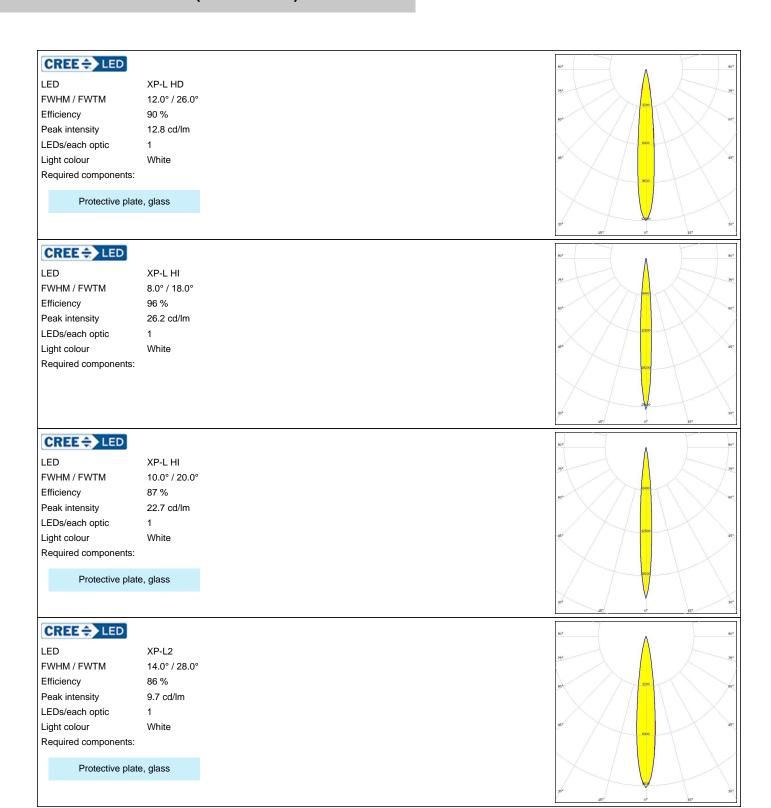
#### CREE - LED

Required components:

LED XP-L HD
FWHM / FWTM 12.0° / 26.0°
Efficiency 95 %
Peak intensity 13.7 cd/lm
LEDs/each optic 1
Light colour White









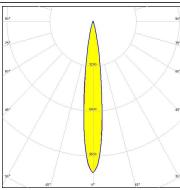


LED XP-L2  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 14.0° / 28.0° Efficiency 95 %

Peak intensity 10.8 cd/lm LEDs/each optic

Light colour White

Required components:



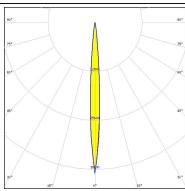
#### CREE - LED

LED XP-P FWHM / FWTM 8.0° / 14.0° Efficiency 86 % Peak intensity 39.6 cd/lm

LEDs/each optic 1 White Light colour

Required components:

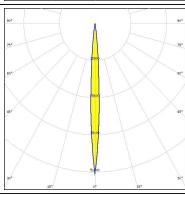
Protective plate, glass



#### CREE + LED

LED XP-P FWHM / FWTM 6.0° / 14.0° Efficiency 95 % Peak intensity 52.2 cd/lm

LEDs/each optic 1 Light colour White Required components:

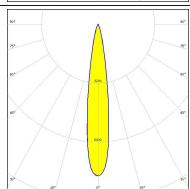


# **MUMILEDS**

LED LUXEON 5050 HE FWHM / FWTM 16.0° / 32.0° Efficiency 95 % Peak intensity 8.3 cd/lm LEDs/each optic

White Required components:

Light colour



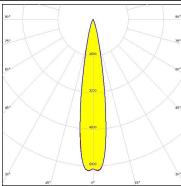




LED LUXEON 5050 Round LES

FWHM / FWTM 18.0° / 34.0°
Efficiency 87 %
Peak intensity 6.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

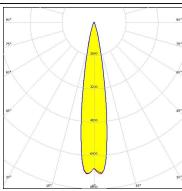


### **MUMILEDS**

LED LUXEON 5050 Round LES

FWHM / FWTM 18.0° / 34.0°
Efficiency 95 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1
Light colour White

Required components:

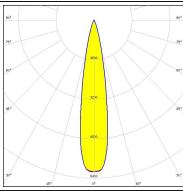


## LUMILEDS

LED LUXEON 5050 Square LES

FWHM / FWTM 20.0° / 36.0°
Efficiency 95 %
Peak intensity 6.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

34

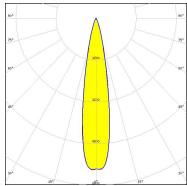


# LUMILEDS

LED LUXEON 5050 Square LES

FWHM / FWTM 20.0° / 36.0°
Efficiency 90 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

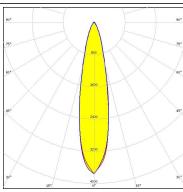






LED LUXEON 7070
FWHM / FWTM 22.0° / 48.0°
Efficiency 93 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White

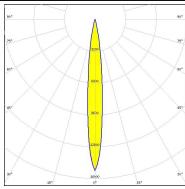
Required components:



## LUMILEDS

LED LUXEON HL2X-D
FWHM / FWTM 12.0° / 26.0°
Efficiency 96 %
Peak intensity 15.2 cd/lm
LEDs/each optic 1
Light colour White

Required components:

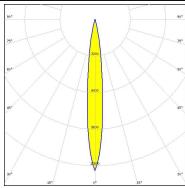


## LUMILEDS

LED LUXEON HL2X-D
FWHM / FWTM 12.0° / 26.0°
Efficiency 88 %
Peak intensity 13.3 cd/lm
LEDs/each optic 1
Light colour White

Light colour White Required components:

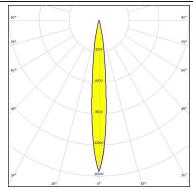
Protective plate, glass



# LUMILEDS

LED LUXEON HL2X-P
FWHM / FWTM 12.0° / 26.0°
Efficiency 95 %
Peak intensity 15.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:







LED LUXEON HL2Z  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 8.0° / 18.0° Efficiency 95 % Peak intensity 27.9 cd/lm LEDs/each optic Light colour White

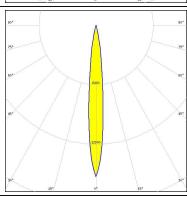
### LUMILEDS

Required components:

LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)

FWHM / FWTM 12.0° / 24.0° Efficiency 96 % Peak intensity 16.3 cd/lm LEDs/each optic 1 White Light colour

Required components:



## LUMILEDS

LED LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 12.0° / 24.0° Efficiency 88 % Peak intensity 14.1 cd/lm LEDs/each optic 1

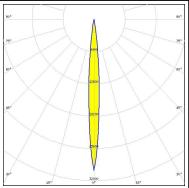
Light colour White Required components:

Protective plate, glass

# **ELUMINUS**

SFT-40-WCS FWHM / FWTM 8.0° / 18.0° Efficiency 95 % Peak intensity 30.1 cd/lm LEDs/each optic 1 White Light colour

Required components:







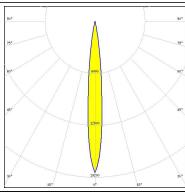
 LED
 SFT-70X-WCS

 FWHM / FWTM
 10.0° / 22.0°

 Efficiency
 96 %

Peak intensity 18.7 cd/lm LEDs/each optic 1

Light colour White Required components:



### **ELUMINUS**

 LED
 SST-70X-WCS

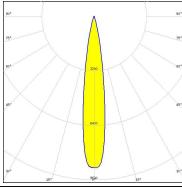
 FWHM / FWTM
 16.0° / 30.0°

 Efficiency
 96 %

 Peak intensity
 8.9 cd/lm

LEDs/each optic 1
Light colour White

Required components:



## **ELUMINUS**

 LED
 SST-70X-WCS

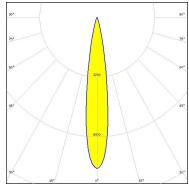
 FWHM / FWTM
 16.0° / 30.0°

 Efficiency
 87 %

 Peak intensity
 8.1 cd/lm

LEDs/each optic 1
Light colour White
Required components:

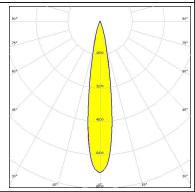
Protective plate, glass



## **WNICHIA**

LED NFMW48xA
FWHM / FWTM 18.0° / 34.0°
Efficiency 95 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1

Light colour White Required components:





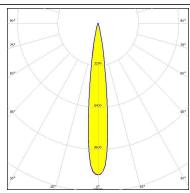
White

#### **WNICHIA**

LED NV4WB35AM
FWHM / FWTM 14.0° / 26.0°
Efficiency 96 %
Peak intensity 11.6 cd/lm
LEDs/each optic 1

Required components:

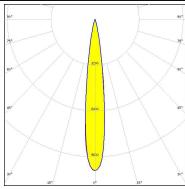
Light colour



#### **WNICHIA**

LED NV4WB35AM
FWHM / FWTM 14.0° / 26.0°
Efficiency 87 %
Peak intensity 10.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

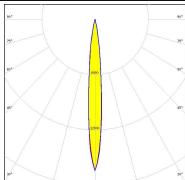
Protective plate, glass



#### **WNICHIA**

LED NVSW219F
Assembly NULL
FWHM / FWTM 10.0° / 22.0°
Efficiency 90 %
Peak intensity 17.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

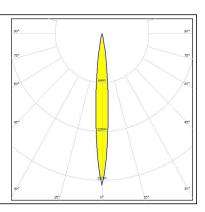


#### **WNICHIA**

Required components:

LED NVSW219F FWHM / FWTM 10.0° / 22.0° Efficiency 95 % Peak intensity 19.9 cd/lm LEDs/each optic 1 Light colour White

Protective plate, glass





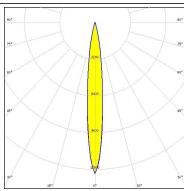
White



LED NVSW519A FWHM / FWTM 12.0° / 27.0° Efficiency 94 % Peak intensity 13.2 cd/lm LEDs/each optic

Required components:

Light colour

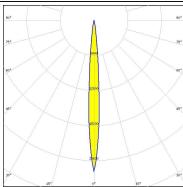


## **WNICHIA**

LED NVSxE21A FWHM / FWTM 8.0° / 18.0° Efficiency 88 % Peak intensity 27.7 cd/lm LEDs/each optic 1 White Light colour

Required components:

Protective plate, glass

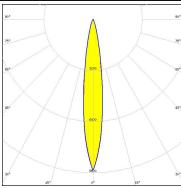


# OSRAM Opto Semiconductors

DURIS E 5050 (GW J9LHS1.4M) LED

FWHM / FWTM 14.0° / 32.0° Efficiency 95 % Peak intensity 9.5 cd/lm LEDs/each optic 1 Light colour **RGBW** 

Required components:

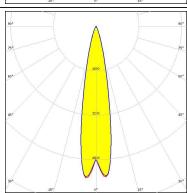


#### **OSRAM**

LED

Duris S8 FWHM / FWTM 20.0° / 38.0° Efficiency 95 % Peak intensity 5.5 cd/lm LEDs/each optic White Light colour

Required components:





#### **OSRAM**

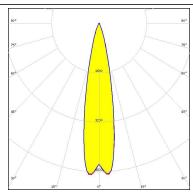
LED Duris S8 FWHM / FWTM 22.0° / 40.0°

Efficiency 87 % Peak intensity 4.9 cd/lm

LEDs/each optic Light colour White

Required components:

Protective plate, glass



#### **OSRAM**

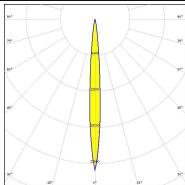
LED OSCONIQ P 3737 (2W version)

FWHM / FWTM 8.0° / 18.0° Efficiency 90 % Peak intensity 26.9 cd/lm LEDs/each optic 1

White Light colour

Required components:

Protective plate, glass



#### **OSRAM**

LED OSCONIQ P 3737 (3W version)

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 12.0° / 24.0° Efficiency 96 % Peak intensity 15.7 cd/lm

LEDs/each optic 1 Light colour White Required components:

#### **OSRAM**

Light colour

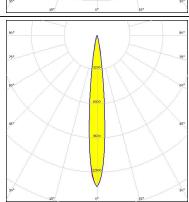
LED

OSCONIQ P 3737 (3W version)

FWHM / FWTM 12.0° / 24.0° Efficiency 87 % Peak intensity 14.2 cd/lm LEDs/each optic White

Required components:

Protective plate, glass



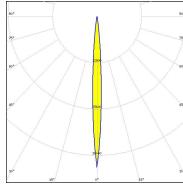


#### **OSRAM**

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 6.0° / 14.0°
Efficiency 92 %
Peak intensity 41.9 cd/lm
LEDs/each optic 1
Light colour Far Red

Required components:



#### **OSRAM**

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 10.0° / 20.0°

Efficiency 86 %

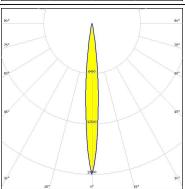
Peak intensity 19.3 cd/lm

LEDs/each optic 1

Light colour White

Protective plate, glass

Required components:



# **SAMSUNG**

 LED
 LH351B

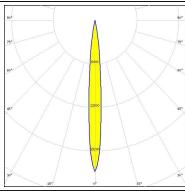
 FWHM / FWTM
 10.0° / 20.0°

 Efficiency
 96 %

 Peak intensity
 22.3 cd/lm

LEDs/each optic 1
Light colour White

Required components:



# **SAMSUNG**

LED LH351B
FWHM / FWTM 10.0° / 22.0°
Efficiency 87 %

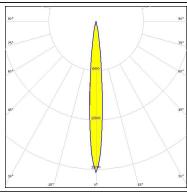
Peak intensity 19.7 cd/lm LEDs/each optic 1

Required components:

Light colour

Protective plate, glass

White





# **SAMSUNG**

LH351C

FWHM / FWTM 10.0° / 22.0°

Efficiency 88 %

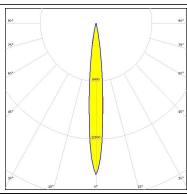
Peak intensity 16.7 cd/lm

LEDs/each optic

Light colour White

Required components:

Protective plate, glass



# **SAMSUNG**

LED LH351C

FWHM / FWTM 10.0° / 22.0°

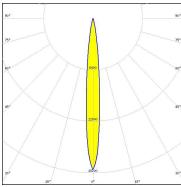
Efficiency 96 %

Peak intensity 18.8 cd/lm LEDs/each optic

1

White Light colour

Required components:



# **SAMSUNG**

LED LH351D

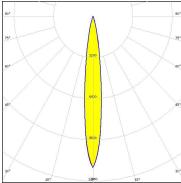
FWHM / FWTM 14.0° / 28.0°

Efficiency 95 %

Peak intensity 11.8 cd/lm

LEDs/each optic 1 Light colour White

Required components:



# **SAMSUNG**

LH351D

FWHM / FWTM 14.0° / 28.0°

Efficiency 90 %

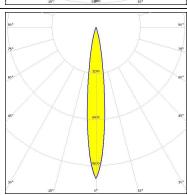
Peak intensity 10.5 cd/lm

LEDs/each optic

White Light colour

Required components:

Protective plate, glass





# **SAMSUNG**

LH502C

FWHM / FWTM 18.0° / 36.0°

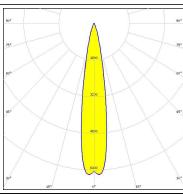
Efficiency 95 % Peak intensity

6.6 cd/lm

LEDs/each optic

Light colour White

Required components:



# **SAMSUNG**

LED LH502C

FWHM / FWTM 18.0° / 35.0°

Efficiency 90 %

6.4 cd/lm

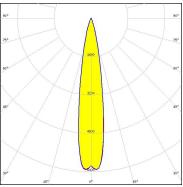
Peak intensity LEDs/each optic

1

White Light colour

Required components:

Protective plate, glass



LED

Z5M4

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 10.0° / 22.0° Efficiency 90 %

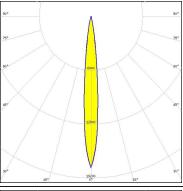
Peak intensity 18 cd/lm

LEDs/each optic 1

Light colour White

Required components:

Protective plate, glass



#### SEOUL SEOUL SEMICONDUCTOR

LED

Z8Y22

FWHM / FWTM 10.0° / 22.0°

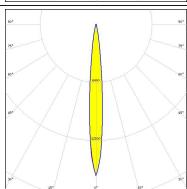
Efficiency 86 %

Peak intensity 16.7 cd/lm LEDs/each optic

White Light colour

Required components:

Protective plate, glass





# PRODUCT DATASHEET C17991\_SPORT-2X2-S1

#### **GENERAL INFORMATION:**

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

#### **MATERIALS:**

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#### **LEDIL Oy**

Joensuunkatu 13 FI-24240 SALO Finland

#### LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

# Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

# Local sales and technical support

www.ledil.com/ where\_to\_buy

#### **Shipping locations**

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#### **Distribution Partners**

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