#### STRADELLA-IP-28-HB-S

~30° spot beam. Variant made from PMMA.

#### **SPECIFICATION:**

Dimensions 100.0 x 100.0 mm

Height 9.5 mm

Fastening pin, screw

Ingress protection classes IP66, IP67

ROHS compliant yes 1



#### **MATERIALS:**

ComponentTypeMaterialColourFinishSTRADELLA-IP-28-HB-SMulti-lensPMMAclearSTRADELLA-28-SEALSealSiliconewhite

#### **ORDERING INFORMATION:**

Component Qty in box MOQ MPQ Box weight (kg)

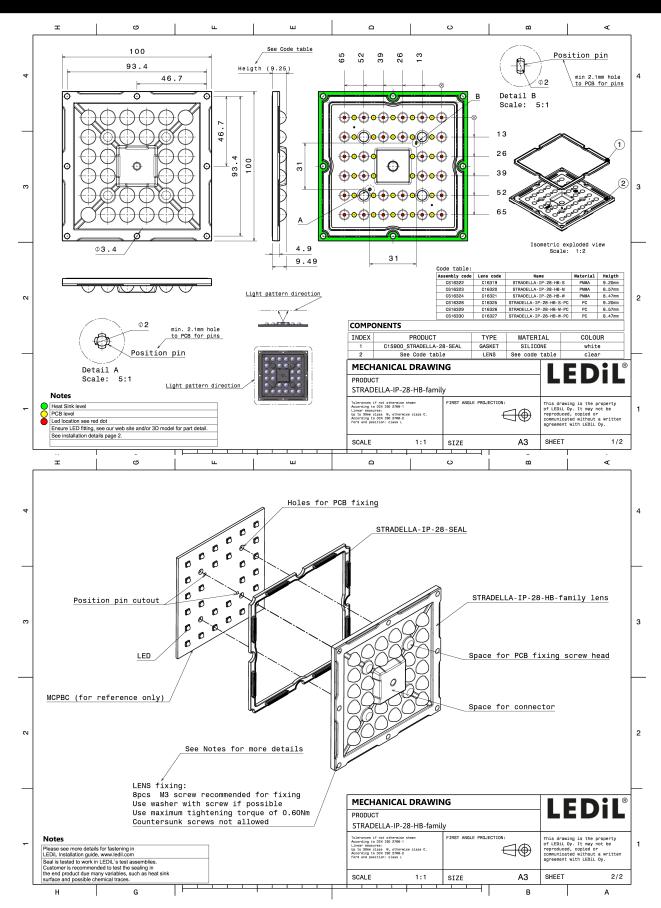
CS16322\_STRADELLA-IP-28-HB-S Multi-lens 156 78 78 5.9

» Box size: 476 x 273 x 247 mm

Published: 06/11/2018

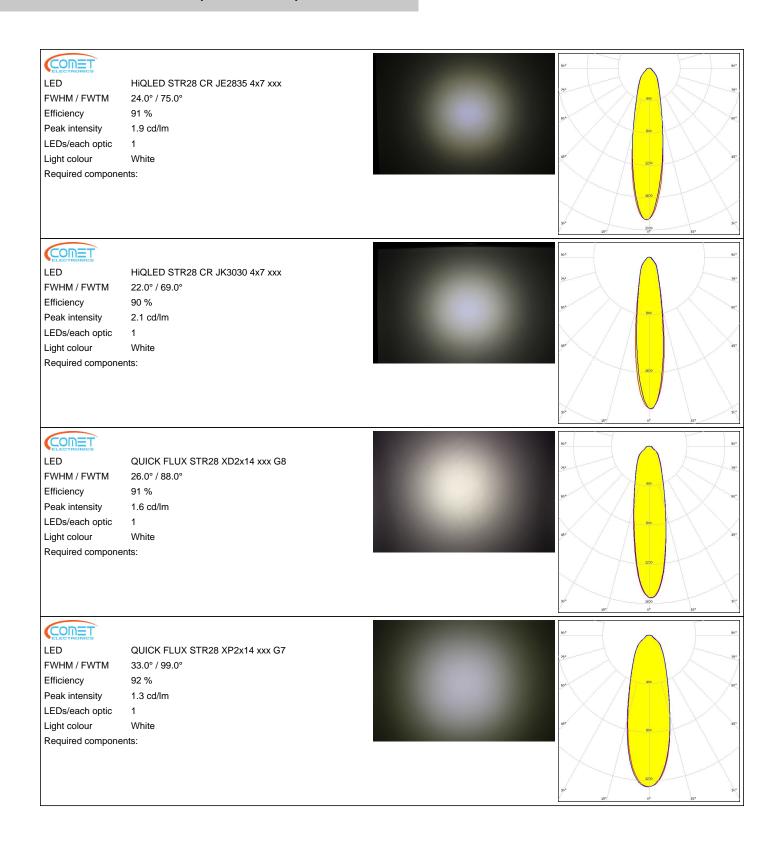


# **PRODUCT** CS16322\_STRADELLA-IP-28-HB-S

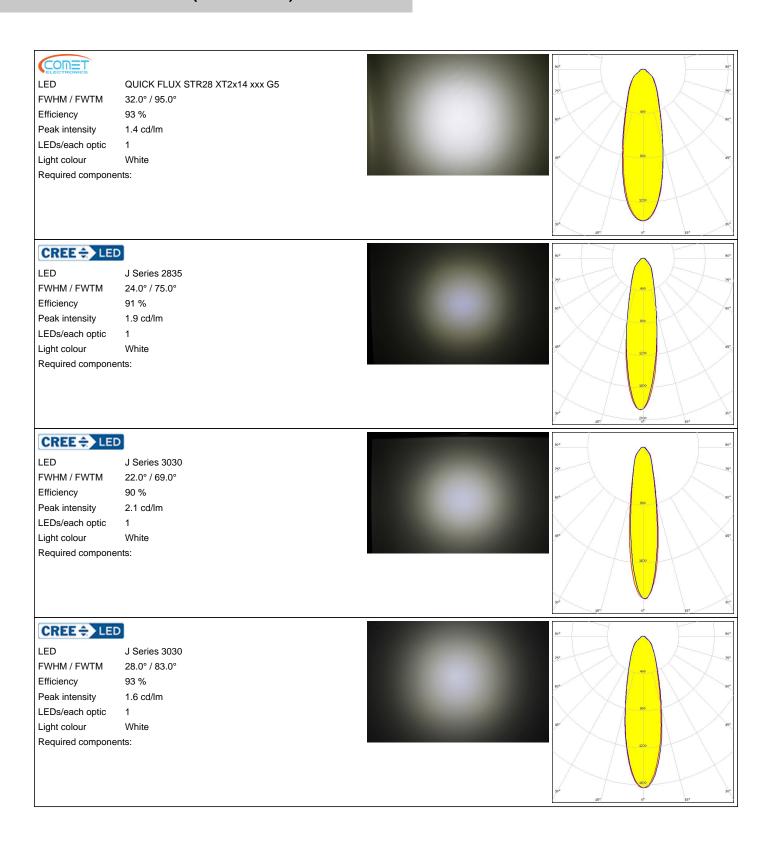


See also our general installation guide: <a href="www.ledil.com/installation\_guide">www.ledil.com/installation\_guide</a>

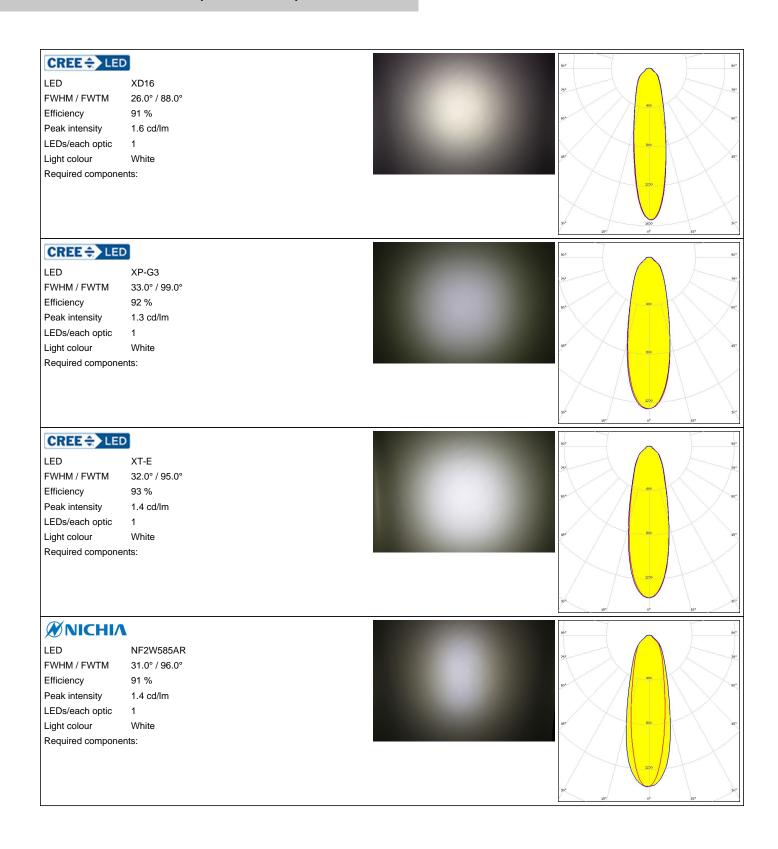
### **OPTICAL RESULTS (MEASURED):**



## **OPTICAL RESULTS (MEASURED):**

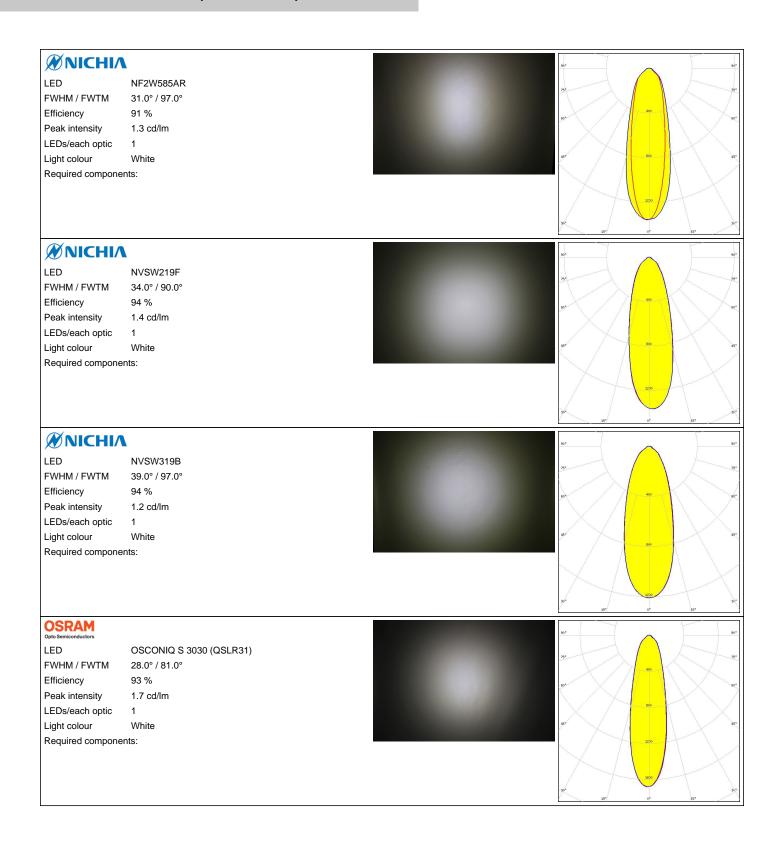


### **OPTICAL RESULTS (MEASURED):**



Published: 06/11/2018

### **OPTICAL RESULTS (MEASURED):**



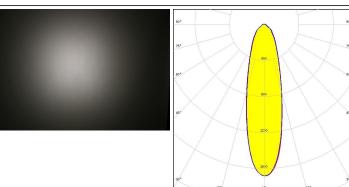
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### **OPTICAL RESULTS (MEASURED):**

#### OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

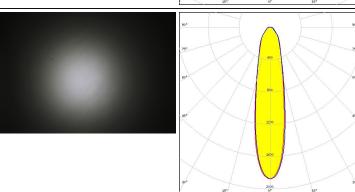
FWHM / FWTM 28.0° / 80.0°
Efficiency 93 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



## SAMSUNG

LED HiLOM SC28 (LH181B)

FWHM / FWTM 23.0° / 74.0°
Efficiency 89 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

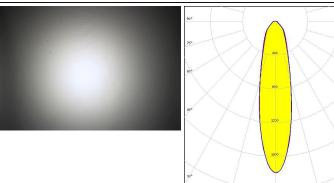


## SAMSUNG

LED HiLOM SM28 (LM301B)

FWHM / FWTM 25.0° / 78.0°
Efficiency 91 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White

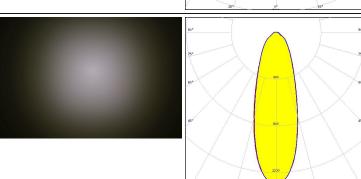
Required components:



#### SEOUL

SEOUL SEMICONDUCTOR

LED Z5M3
FWHM / FWTM 34.0° / 94.0°
Efficiency 93 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



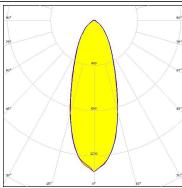
## **OPTICAL RESULTS (SIMULATED):**

White



LED XP-G2 HE
FWHM / FWTM 37.0° / 90.0°
Efficiency 92 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1

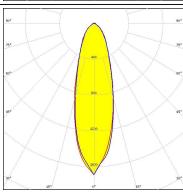
Light colour
Required components:



#### CREE - LED

LED XP-L HI
FWHM / FWTM 30.0° / 82.0°
Efficiency 90 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White

Required components:

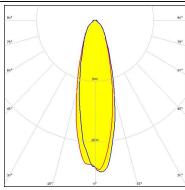


#### LUMILEDS

LED LUXEON 3030 2D (Round LES)

FWHM / FWTM 27.0° / 74.0°
Efficiency 92 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White

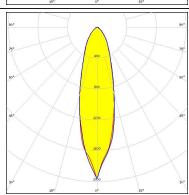
Required components:



#### **WNICHIA**

LED NF2x757G
FWHM / FWTM 28.0° / 76.0°
Efficiency 93 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White

Required components:



### **OPTICAL RESULTS (SIMULATED):**

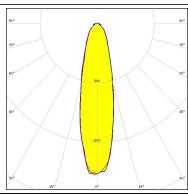


LED NVSxE21A FWHM / FWTM 25.0° / 73.0° Efficiency 92 %

Peak intensity 2.1 cd/lm LEDs/each optic

Required components:

Light colour



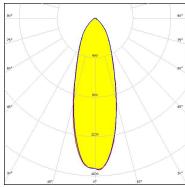
#### **WNICHIA**

LED NVSxx19B/NVSxx19C

White

FWHM / FWTM 34.0° / 86.0° Efficiency 93 % Peak intensity 1.5 cd/lm LEDs/each optic 1 White Light colour

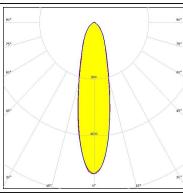
Required components:



# OSRAM Opto Semiconductors

OSCONIQ C 2424 LED FWHM / FWTM 25.0° / 73.0° Efficiency 93 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White

Required components:

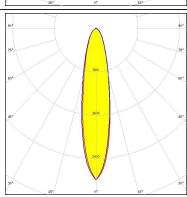


#### **OSRAM**

LED OSCONIQ P 3030

FWHM / FWTM 22.0° / 60.0° Efficiency 94 % Peak intensity 2.8 cd/lm LEDs/each optic White Light colour

Required components:

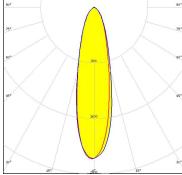


### **OPTICAL RESULTS (SIMULATED):**

#### **OSRAM**

LED OSCONIQ P 3737 (2W version)

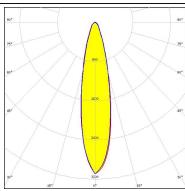
FWHM / FWTM 27.0° / 69.0°
Efficiency 93 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



#### **OSRAM**

Opto Semiconductors

LED OSLON SSL 80
FWHM / FWTM 23.0° / 51.0°
Efficiency 93 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



## **SAMSUNG**

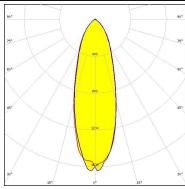
 LED
 LH351B

 FWHM / FWTM
 33.0° / 82.0°

 Efficiency
 94 %

 Peak intensity
 1.8 cd/lm

LEDs/each optic 1
Light colour White
Required components:

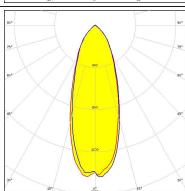


# **SAMSUNG**

LED LH351C FWHM / FWTM 37.0° / 87.0° Efficiency 94 %

Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:



## **OPTICAL RESULTS (SIMULATED):**

## **SAMSUNG**

LH351D

FWHM / FWTM

44.0° / 92.0° 91 %

Efficiency

Peak intensity

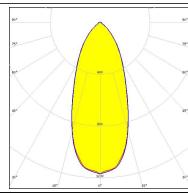
1.2 cd/lm

LEDs/each optic

Light colour

White

Required components:



## **SAMSUNG**

LED

LM301B

FWHM / FWTM

29.0° / 78.0°

Efficiency

93 %

Peak intensity

1.9 cd/lm

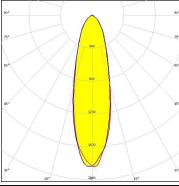
LEDs/each optic

1

Light colour

White

Required components:



## SEOUL

LED

**SEOUL 3030** 

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 

28.0° / 78.0°

Efficiency

93 %

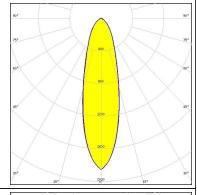
Peak intensity

1.9 cd/lm

LEDs/each optic Light colour

1 White

Required components:



#### SEOUL SEOUL SEMICONDUCTOR

LED

SEOUL DC 3030C

FWHM / FWTM Efficiency

28.0° / 77.0°

Peak intensity

93 %

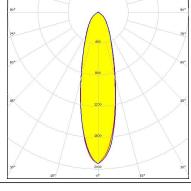
LEDs/each optic

Required components:

1.9 cd/lm

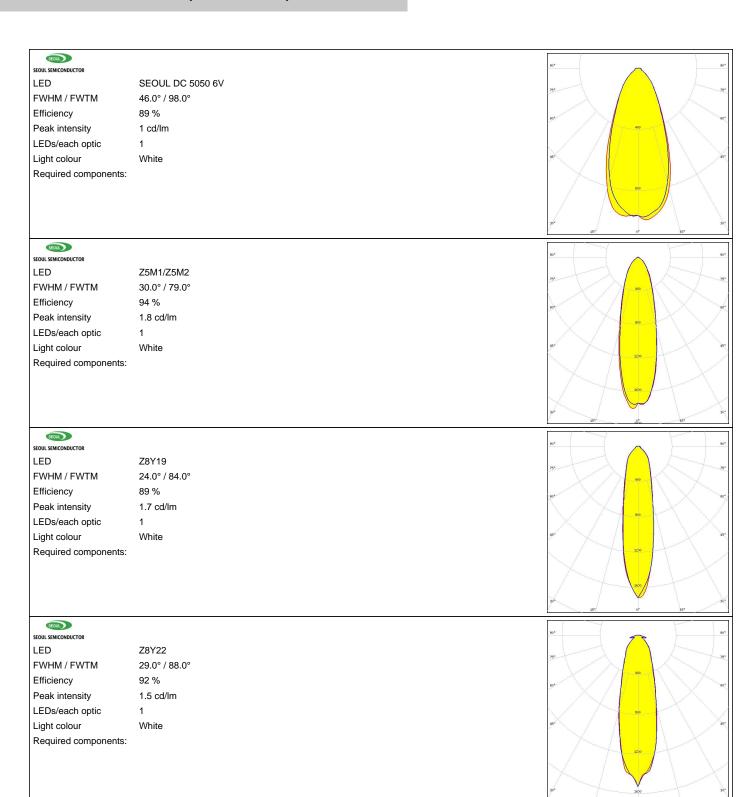
Light colour

White

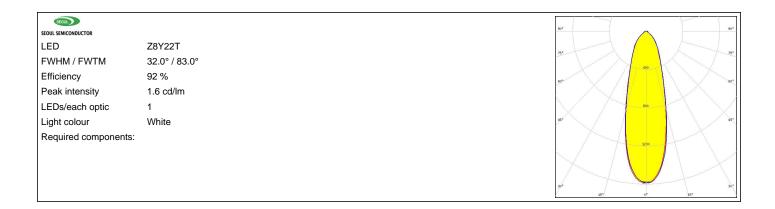


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### **OPTICAL RESULTS (SIMULATED):**



### **OPTICAL RESULTS (SIMULATED):**





#### **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:**

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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