#### HB-IP-24-WWW

~90° wide beam

#### **SPECIFICATION:**

Dimensions 173.0 x 71.4 mm

Height 10 mm

Fastening pin, screw

Ingress protection classes IP66, IP67

ROHS compliant yes 1



### **MATERIALS:**

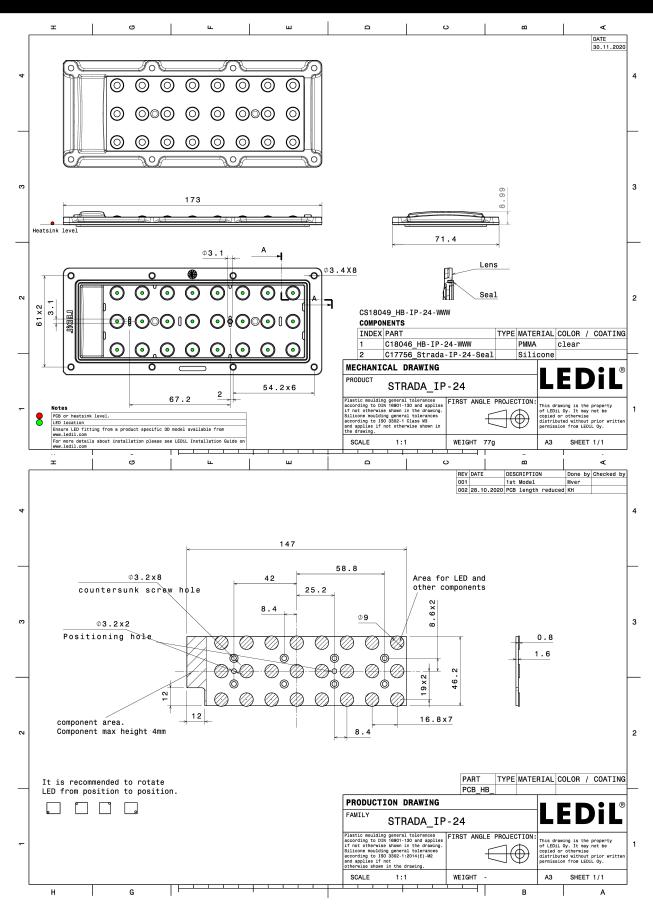
Component	Type	Material	Colour	Finish	Length
HB-IP-24-WWW	Multi-lens	PMMA	clear		173.0
STRADA-IP-24-SEAL	Seal	Silicone	white		165.0

#### **ORDERING INFORMATION:**

Component Qty in box MOQ MPQ Box weight (kg)

CS18049\_HB-IP-24-WWW 120 120 40 5.2 » Box size: 476 x 273 x 247 mm





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

Published: 24/03/2021

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

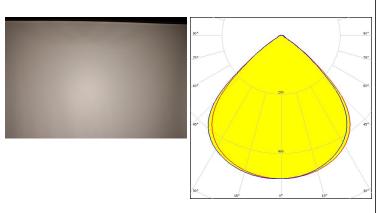
## AUDAX III

LED LIGHT ENGINE STRADA-IP 24 LEDs 147.4 x 46.2 x 1.5

FWHM / FWTM 94.0° / 114.0° Efficiency 96 %

Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

### **DESCRIPTION**

LED LUXEON 5050 HE
FWHM / FWTM 93.0° / 113.0°

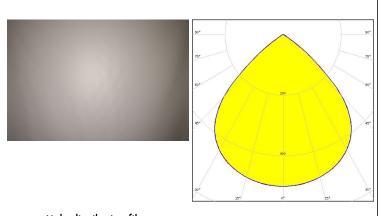
Efficiency 96 %

Peak intensity 0.5 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

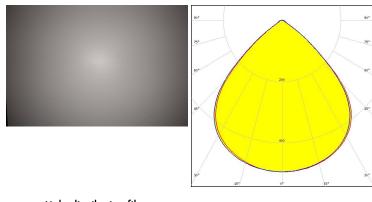


Light distribution files

### **MILEDS**

LED LUXEON 5050 Square LES

FWHM / FWTM 92.0° / 112.0°
Efficiency 95 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



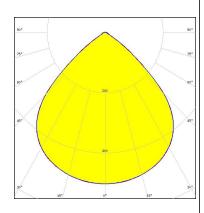
Light distribution files

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



LED LUXEON XR-5050 HE (L225-xxxx024MLU010)

FWHM / FWTM 93.0° / 113.0°
Efficiency 97 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

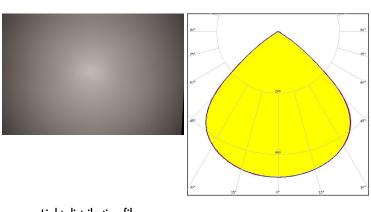


Light distribution files

#### OSRAM Opto Semiconductore

Opto Semicona

LED Duris S8
FWHM / FWTM 96.0° / 114.0°
Efficiency 96 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



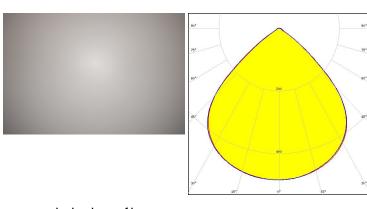
Light distribution files

#### OSRAM

LED OSCONIQ S 5050

FWHM / FWTM 94.0° / 113.0°

Efficiency 94 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



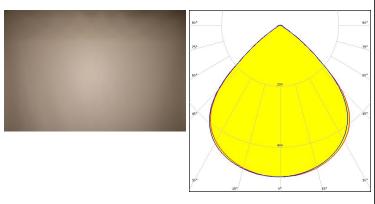
Light distribution files

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

### **SAMSUNG**

LED HILOM RM24 ZP (LH502D)

FWHM / FWTM 94.0° / 114.0°
Efficiency 97 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

## **SCIOLUX**

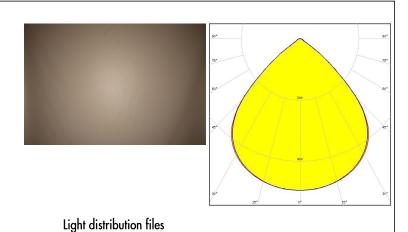
LED CHI-VP-10K5-740-36

 FWHM / FWTM
 92.0° / 112.0°

 Efficiency
 94 %

 Peak intensity
 0.5 cd/lm

LEDs/each optic 1
Light colour/type White
Required components:



## SCIOLUX

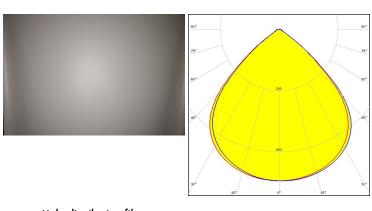
LED CHIEC-VE-11K4-740-48

 FWHM / FWTM
 94.0° / 114.0°

 Efficiency
 96 %

 Peak intensity
 0.5 cd/lm

LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

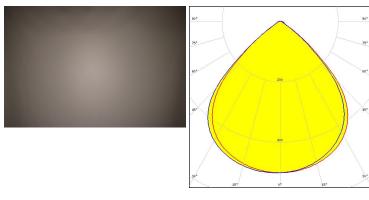


### **OPTICAL RESULTS (MEASURED):**

### **TRIDONIC**

LED RLE 3x8 6000lm HP HE EXC3 OTD

FWHM / FWTM 93.0° / 113.0°
Efficiency 96 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

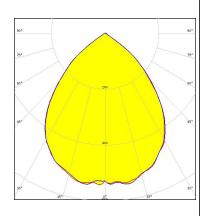
Published: 24/03/2021

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

# CREE -

LED J Series 3030
FWHM / FWTM 86.0° / 112.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



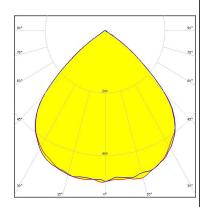
Light distribution files

## CREE &

LED J Series 5050 Round LES

FWHM / FWTM 94.0° / 114.0°
Efficiency 93 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



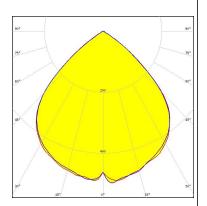
Light distribution files

## CREE &

LED J Series 5050C 6V E Class

FWHM / FWTM 94.0° / 114.0°
Efficiency 93 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



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

### **DESCRIPTION**

LED LUXEON 5050 HE FWHM / FWTM 92.0° / 114.0°
Efficiency 93 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1

Light colour/type White

Required components:

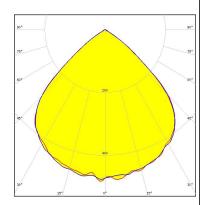
Light distribution files



LED RecLED 147x47mm 5800lm 7x0 5050 STRADA-IP-24 G2

FWHM / FWTM 95.0° / 114.0°
Efficiency 93 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

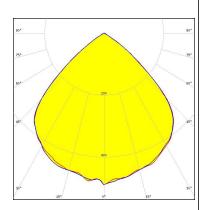


Light distribution files



LED NFMW48xA
FWHM / FWTM 94.0° / 114.0°
Efficiency 93 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

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

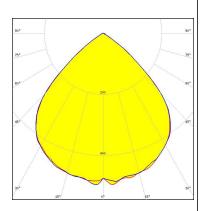
### **SAMSUNG**

LED HiLOM RM24 ZP (LH502C)

White

FWHM / FWTM 93.0° / 114.0°
Efficiency 93 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1

Light colour/type
Required components:



Light distribution files

### SAMSUNG

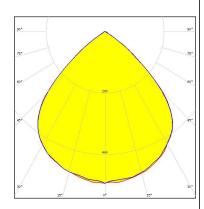
 LED
 LH502C

 FWHM / FWTM
 92.0° / 113.0°

 Efficiency
 93 %

Peak intensity 0.5 cd/lm LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

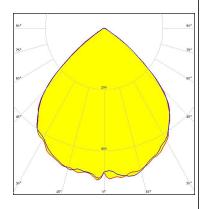
### **SAMSUNG**

LED LH502D

FWHM / FWTM 93.0 + 94.0° / 114.0 + 113.0°

Efficiency 93 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



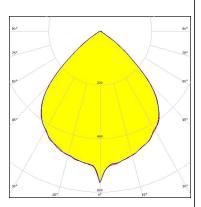


### **OPTICAL RESULTS (SIMULATED):**

## **SAMSUNG**

LED LH508C
FWHM / FWTM 89.0° / 112.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



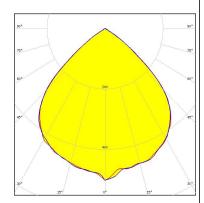
Light distribution files



LED SEOUL DC 5050 6V

FWHM / FWTM 94.0° / 114.0°
Efficiency 93 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files



#### **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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# Local sales and technical support

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