



CUSTOMIZE YOUR LUMINAIRE

## SUNLIT CLASS SPECIFICATION

### Standard Colors

2700K 3000K 3500K  
4000K 5000K

### Standard CRIs

80 – 90  
3-STEP MACADAM ELLIPSES

### Module Codes

5"  
R120NI127000-XXXX-CC00

5" HIGH-LUMEN  
R180NI127000-XXXX-CC00

8"  
R128NI203000-XXXX-CC00

8" HIGH-LUMEN  
R256NI203000-XXXX-CC00

1'  
R064CR292000-XXXX-CC00

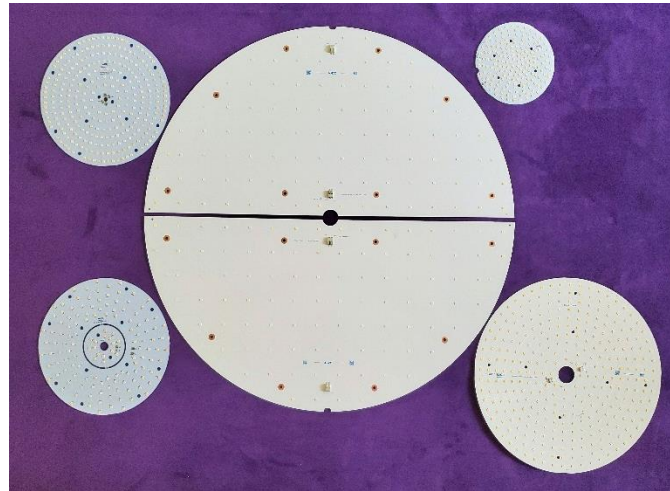
1' HIGH LUMEN  
R320CR292000-XXXX-CC00

18"  
R112CR444000-XXXX-CC00

2'  
R192CR584000-XXXX-CC00

3'  
R448CR786000-XXXX-CC00

4'  
R768CR116800-XXXX-CC00



Suitable for Architectural, Round applications, High Bay, Indoor Ceiling pendant Lighting, Outdoor Circle LED Lights.

Launched in various diameters from 5 inches to 4 feet. Available in single-push connectors or pre-wired for easy installation. **A++** Energy efficiency class. (EU874-2012) UL recognized. Class 2

Proudly designed, engineered and manufactured in the USA





# SUNLIT 5" – 120 LED

## SUNLIT CLASS DESCRIPTION

- Designed for a round application with easy installation process
- Suitable for DLC 4.0 and 5.0, UL recognized Class-2
- Maximum efficiency, ROHS compliant components
- Quick release push pin connectors on board available
- Constant current rated
- Conformal coating available as request
- Pre-wired modules available with X-ray joint test

### 1- Module Code

CCT	MODULE CODE	CCT	MODULE CODE
2700K	R120NI127000-2780-CC00	5000K	R120NI127000-5080-CC00
3000K	R120NI127000-3080-CC00	6000K	R120NI127000-6080-CC00
3500K	R120NI127000-3580-CC00	6500K	R120NI127000-6580-CC00
4000K	R120NI127000-4080-CC00		

*For 90 CRI modules the 80 changes to 90 (e.g. R120NI127000-2790-CC00)*

### 2- Photometric Parameters

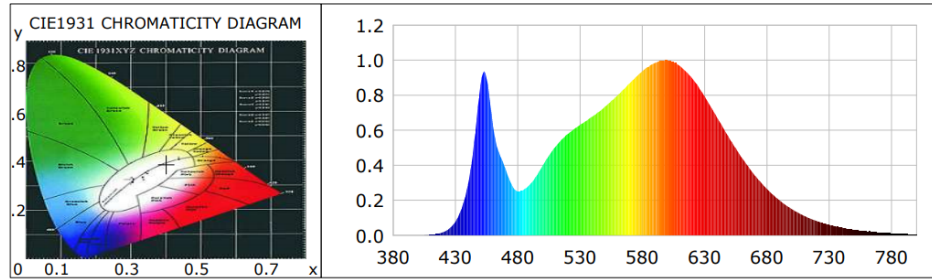
INDEX	CCT	Typical Rating	Max Rating
Flux	3000K	6540 lm	10860 lm
	3500K	6696 lm	11112 lm
	4000K	6730 lm	11136 lm
	5000K	6912 lm	11388 lm
Efficacy	3000K	174 lm/W	156 lm/W
	3500K	178 lm/W	159 lm/W
	4000K	180 lm/W	161 lm/W
	5000K	184 lm/W	163 lm/W
Forward CURRENT		1050 mA	2160 mA
Forward VOLTAGE		30 Vdc	32.5 Vdc
POWER		38 W	70 W

*Above results are tested in 25°C*





### 3- Light Source Test Report



<b>Product Spec</b>	34VDC, 780mA, CC	<b>Voltage</b>	28.89 V
<b>Current</b>	0.7799A	<b>Power</b>	12.28 W
<b>Luminous Flux</b>	4047.48 lm	<b>Efficiency</b>	179.64 lm/W
<b>Radiant Power</b>	12.285 W	<b>EEL</b>	0.08

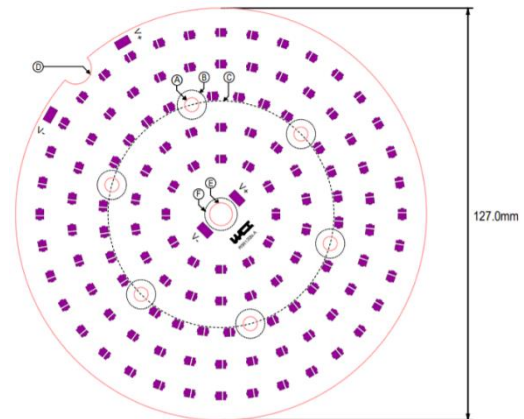
Energy Efficiency Class: A++ (EU 874-2012)

### 4- Colorimetric Parameters

<b>Chromaticity coordinates</b>	x=0.4013 y=0.3884	<b>Color Ratio</b>	R=0.200 G=0.768 B=0.032
<b>Peak Wavelength</b>	599.2nm	<b>Half Bandwidth</b>	145.2nm
<b>Dominant Wavelength</b>	580.2nm	<b>Color Purity</b>	0.370
<b>Color Quality Scale</b>	Qa= 83.0, Qf= 83.2, Qp= 82.8, Qg= 92.7		

### 5- Module Dimension

<b>Module diameter</b>	127.00 mm
<b>Screw hole</b>	4.32 mm
<b>Center hole</b>	7.00 mm
<b>Screw hole to center</b>	69.85 mm
<b>PCB thickness</b>	1.60 mm
<b>PCB material</b>	Aluminum



Configuration: 10S x 12P – (120 LEDs)  
LED chip: NICHIA 757 or customizable to any other LED brand as request

- i. Lightsource Test Report is presented by World Class Illumination Laboratories.
- ii. Performance temperatures are measured on 55°C
- iii. 2 push-in connectors on both sides of center hole eases the process of installation.



### SUNLIT CLASS DESCRIPTION

Designed for a high lumen applications with easy installation process  
 Suitable for DLC 4.0 and 5.0  
 Maximum efficiency, UL recognized module and ROHS compliant  
 Conformal coating available  
 Tunable white, RGB and RGBW available per request

## SUNLIT 5” High-Lumen – 180 LED

### 1- Module Code

CCT	MODULE CODE	CCT	MODULE CODE
2700K	R180NI127000-2780-CC00	5000K	R180NI127000-5080-CC00
3000K	R180NI127000-3080-CC00	6000K	R180NI127000-6080-CC00
3500K	R180NI127000-3580-CC00	6500K	R180NI127000-6580-CC00
4000K	R180NI127000-4080-CC00		

*For 90 CRI modules the 80 changes to 90 (e.g. R180NI127000-2790-CC00)*

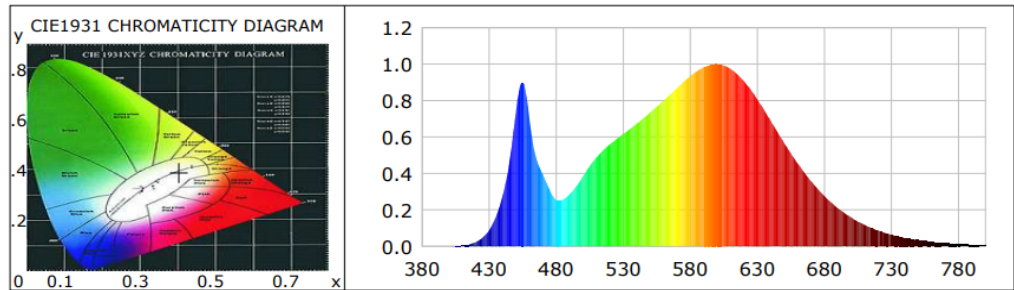
### 2- Photometric Parameters

INDEX	CCT	Typical Rating	Max Rating
Flux	3000K	7608 lm	14580 lm
	3500K	7787 lm	14916 lm
	4000K	7836 lm	15000 lm
	5000K	8064 lm	15300 lm
Efficacy	3000K	182 lm/W	160 lm/W
	3500K	186 lm/W	164 lm/W
	4000K	188 lm/W	166 lm/W
	5000K	193 lm/W	168 lm/W
Forward CURRENT		960 mA	1920 mA
Forward VOLTAGE		43.5 Vdc	47.5 Vdc
POWER		42 W	91 W

*All calculations are based on using Nichia 757GT-V1, 80CRI, 3 step binning*



### 3- Light Source Test Report



<b>Product Spec</b>	45V, 3500K, 80CRI	<b>Voltage</b>	42.68 V
<b>Current</b>	0.7801A	<b>Power</b>	7.82 W
<b>Luminous Flux</b>	5974.83 lm	<b>Efficiency</b>	179.44 lm/W
<b>Radiant Power</b>	18.253 W	<b>EEL</b>	0.08

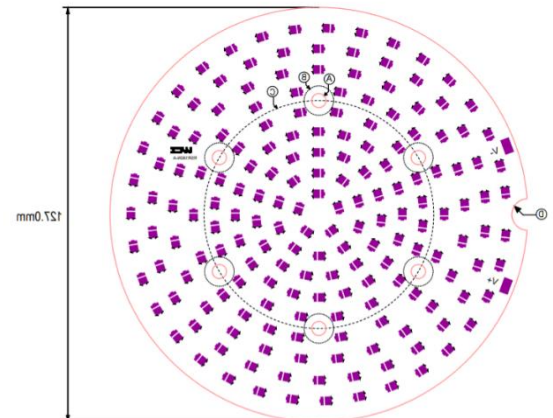
Energy Efficiency Class: A++ (EU 874-2012)

### 4- Colorimetric Parameters

<b>Chromaticity coordinates</b>	x=0.4038 y=0.3886	<b>Color Ratio</b>	R=0.202 G=0.765 B=0.032
<b>Peak Wavelength</b>	599.8 nm	<b>Half Bandwidth</b>	14.4 nm
<b>Dominant Wavelength</b>	581.3 nm	<b>Color Purity</b>	0.385
<b>Color Quality Scale</b>	Qa= 82.7, Qf= 82.5, Qp= 81.1, Qg= 94.6		

### 5- Module Dimension

<b>Module diameter</b>	127.00 mm
<b>Screw hole</b>	4.32 mm
<b>Center hole</b>	No
<b>Screw hole to center</b>	69.85 mm
<b>PCB thickness</b>	1.60 mm
<b>PCB material</b>	Aluminum



Schematic Circuit: 15S x 12P – 180 LEDs

- i. Lightsource Test Report is presented by World Class Illumination Laboratories.
- ii. Performance temperatures are measured on 55°C
- iii. 2 or 4 push-in connectors on the board



## SUNLIT 8" – 128 LED

Designed for a downlight applications with easy installation process  
 Suitable for DLC 4.0 and 5.0  
 Maximum efficiency, UL recognized module and ROHS compliant  
 Conformal coating available for outdoor application  
 Tunable white, RGB and RGBW available per request

### 1- Module Code

CCT	MODULE CODE	CCT	MODULE CODE
2700K	R128NI203000-2780-CC00	5000K	R128NI203000-5080-CC00
3000K	R128NI203000-3080-CC00	6000K	R128NI203000-6080-CC00
3500K	R128NI203000-3580-CC00	6500K	R128NI203000-6580-CC00
4000K	R128NI203000-4080-CC00		

*For 90 CRI modules the 80 changes to 90 (e.g. R128NI203000-2790-CC00)*

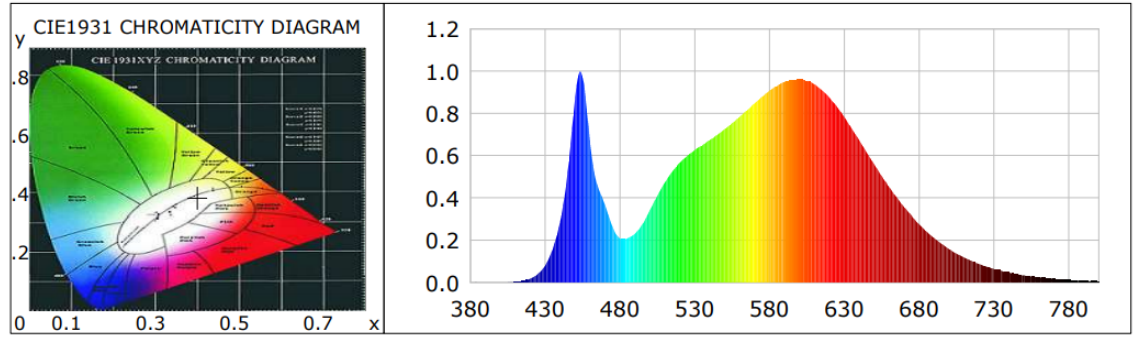
### 2- Photometric Parameters

INDEX	CCT	Typical Rating	Max Rating
Flux	3000K	5888 lm	11584 lm
	3500K	6024 lm	11856 lm
	4000K	6040 lm	11888 lm
	5000K	6232 lm	12144 lm
Efficacy	3000K	180 lm/W	156 lm/W
	3500K	183 lm/W	159 lm/W
	4000K	185 lm/W	161 lm/W
	5000K	189 lm/W	163 lm/W
Forward CURRENT		700 mA	1440 mA
Forward VOLTAGE		47 Vdc	52 Vdc
POWER		33 W	74 W

*All calculations are based on using Nichia 757GT-V1, 80CRI, 3 step binning*



### 3- Light Source Test Report



Energy Efficiency Class: A++ (EU 874-2012)

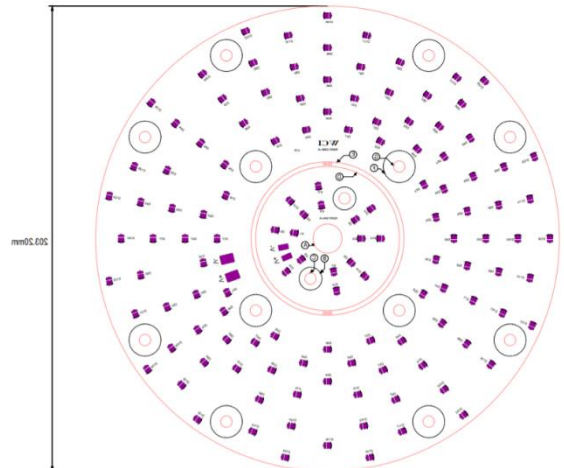
<b>Product Spec</b>	50V, 3500K, 80CRI	<b>Voltage</b>	48.63 V
<b>Current</b>	0.5199A	<b>Power</b>	25.29 W
<b>Luminous Flux</b>	4132.28 lm	<b>Efficiency</b>	173.41 lm/W
<b>Radiant Power</b>	12.65 W	<b>EEL</b>	0.08

### 4- Colorimetric Parameters

<b>Chromaticity coordinates</b>	x=0.4054 y=0.3893	<b>Color Ratio</b>	R=0.205 G=0.769 B=0.026
<b>Peak Wavelength</b>	599.5 nm	<b>Half Bandwidth</b>	141.2 nm
<b>Dominant Wavelength</b>	581.2 nm	<b>Color Purity</b>	0.385
<b>Color Quality Scale</b>	Qa= 82.6, Qf= 82.4, Qp= 81.1, Qg= 94.6		

### 5- Module Dimension

<b>Module diameter</b>	203.20 mm
<b>Screw hole</b>	5.00 mm
<b>Small board</b>	63.00 mm
<b>Screw hole to center</b>	69.85 mm
<b>PCB thickness</b>	1.60 mm
<b>PCB material</b>	Aluminum



Schematic Circuit: 16S x 8P – 128 LEDs





## SUNLIT 8" HIGH LUMEN – 256 LED

### 1- Module Code

CCT	MODULE CODE	CCT	MODULE CODE
2700K	R256NI203000-2780-CC00	5000K	R265NI203000-2780-CC00
3000K	R256NI203000-2780-CC00	6000K	R256NI203000-2780-CC00
3500K	R256NI203000-2780-CC00	6500K	R256NI203000-2780-CC00
4000K	R256NI203000-2780-CC00		

For 90 CRI modules the 80 changes to 90 (e.g. R256NI203000-2790-CC00)

### 2- Photometric Parameters

INDEX	CCT	Typical Rating	Max Rating
Flux	3000K	8256 lm	15936 lm
	3500K	8448 lm	16192 lm
	4000K	8484 lm	16240 lm
	5000K	8800 lm	16672 lm
Efficacy	3000K	190 lm/W	170 lm/W
	3500K	194 lm/W	173 lm/W
	4000K	196 lm/W	175 lm/W
	5000K	202 lm/W	179 lm/W
Forward CURRENT		960 mA	1920 mA
Forward VOLTAGE		46 Vdc	49 Vdc
POWER		44 W	93 W

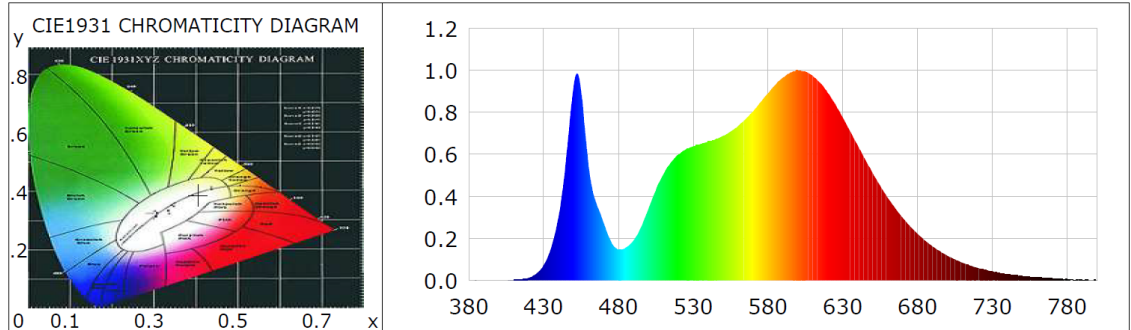
- i. All calculations are based on using Nichia 757GT-V1, 80CRI, 3 step binning
- ii. Conformal coating is available for this module
- iii. Solder joints tested with X-ray







### 3- Light Source Test Report



Energy Efficiency Class: A++ (EU 874-2012)

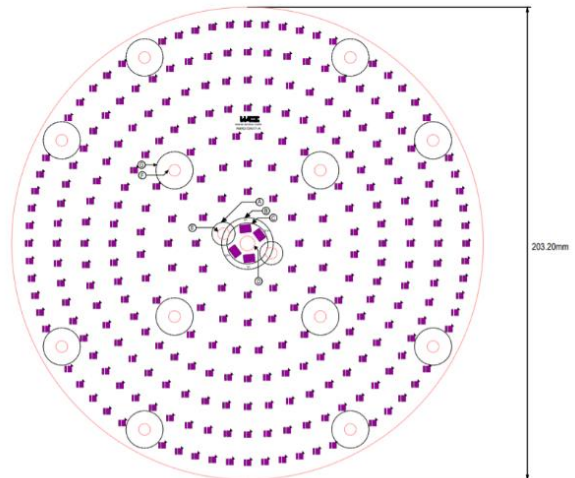
<b>Product Spec</b>	50V, 3500K, 80CRI	<b>Voltage</b>	48.620 V
<b>Current</b>	1.0402A	<b>Power</b>	50.57 W
<b>Luminous Flux</b>	8649.80 lm	<b>Efficiency</b>	171.03 lm/W
<b>Radiant Power</b>	12.65 W	<b>EEL</b>	0.08

### 4- Colorimetric Parameters

<b>Chromaticity coordinates</b>	x=0.4053 y=0.3886	<b>Color Ratio</b>	R=0.206 G=0.78 B=0.026
<b>Peak Wavelength</b>	452.2 nm	<b>Half Bandwidth</b>	17.1 nm
<b>Dominant Wavelength</b>	581.3 nm	<b>Color Purity</b>	0.383
<b>Color Quality Scale</b>	Qa= 82.7, Qf= 82.5, Qp= 83.9, Qg= 94.8		

### 5- Module Dimension

<b>Module diameter</b>	203.20 mm
<b>Screw hole</b>	5.00 mm
<b>Screw hole to center</b>	No
<b>PCB thickness</b>	1.60 mm
<b>PCB material</b>	Aluminum



Schematic Circuit: 16S x 16P – 256 LEDs  
 LED chip: NICHIA 757 or customizable to any other LED brand as request  
 To customize this LED module please contact: sales@wcico.com



## SUNLIT 1' – 64 LED

11" Diameter

### 1- Module Code

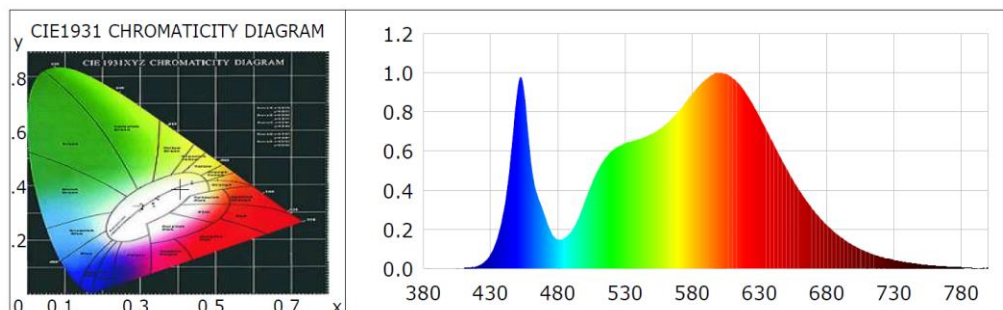
CCT	MODULE CODE	CCT	MODULE CODE
2700K	R064CR292000-2780-CC00	5000K	R064CR292000-5080-CC00
3000K	R064CR292000-3080-CC00	6000K	R064CR292000-6080-CC00
3500K	R064CR292000-3580-CC00	6500K	R064CR292000-6580-CC00
4000K	R064CR292000-4080-CC00		

*For 90 CRI modules the 80 changes to 90 (e.g. R064CR292000-2790-CC00)*

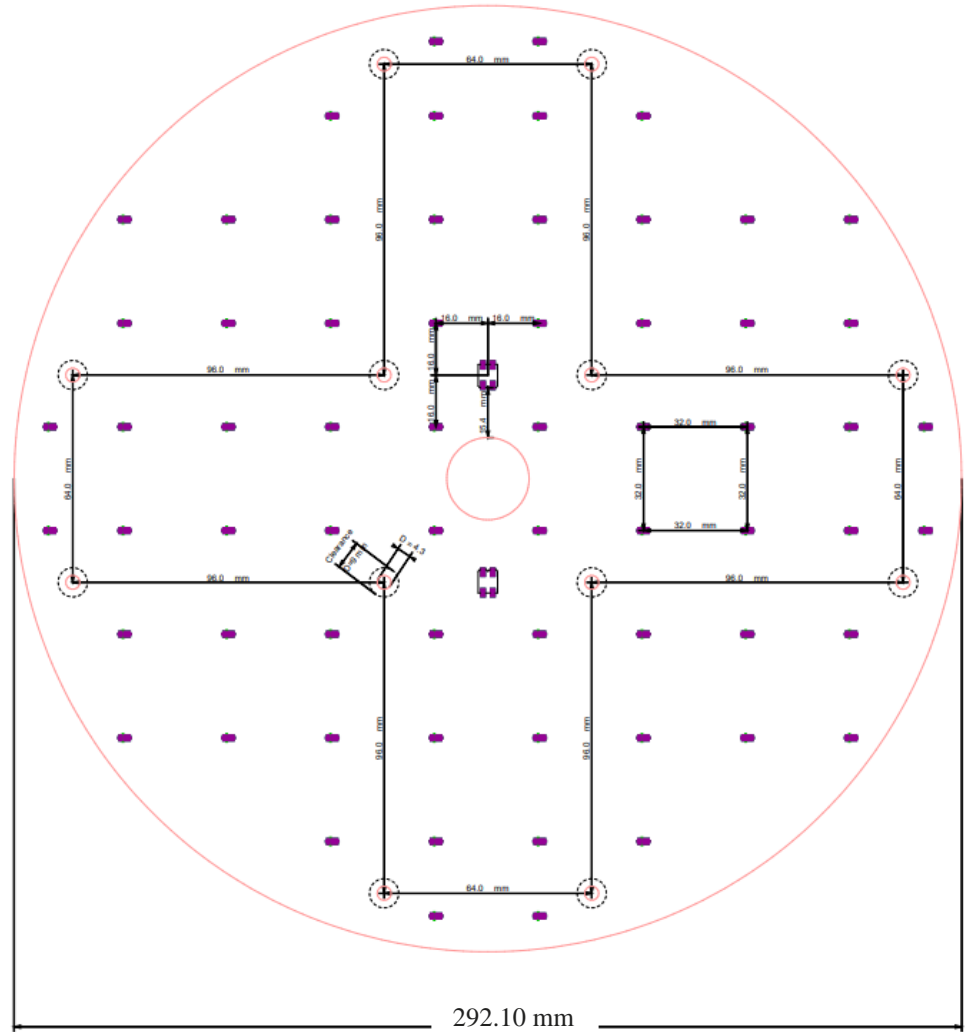
### 2- Photometric Parameters

INDEX	CCT	Typical Rating	Max Rating
Flux	2700K	2748 lm	6120 lm
	3000K	2840 lm	6360 lm
	3500K	2936 lm	6576 lm
	4000K	3016 lm	6752 lm
Efficacy	2700K	184 lm/W	166 lm/W
	3000K	191 lm/W	172 lm/W
	3500K	198 lm/W	178 lm/W
	4000K	203 lm/W	182 lm/W
Forward CURRENT		340 mA	800 mA
Forward VOLTAGE		46.2 Vdc	46.2 Vdc
POWER		15.7 W	37 W

### 3- Light Source Test Report



## 4- Module Dimension and Schematic



<b>Module diameter</b>	292.10 mm
<b>Screw hole</b>	4.30 mm
<b>Scrwe hole pitch</b>	96.00 mm
<b>Center screw hole</b>	25.4 mm
<b>LED pitch</b>	32.00 mm
<b>PCB thickness</b>	1.60 mm
<b>PCB material</b>	Aluminum

Schematic Circuit: 16S x 4P – 64 LEDs

LED chip: **CREE 2835** or customizable to any other LED brand as request  
 To customize this LED module for LED numbers or tunable white, RGB and RGBW  
 please contact: [sales@wcico.com](mailto:sales@wcico.com)



## SUNLIT 1' HIGH LUMEN – 320 LED

11" Diameter

### 1- Module Code

CCT	MODULE CODE	CCT	MODULE CODE
2700K	R320CR292000-2780-CC00	5000K	R320CR292000-5080-CC00
3000K	R320CR292000-3080-CC00	6000K	R320CR292000-6080-CC00
3500K	R320CR292000-3580-CC00	6500K	R320CR292000-6580-CC00
4000K	R320CR292000-4080-CC00		

*For 90 CRI modules the 80 changes to 90 (e.g. R320CR292000-2790-CC00)*

### 2- Photometric Parameters

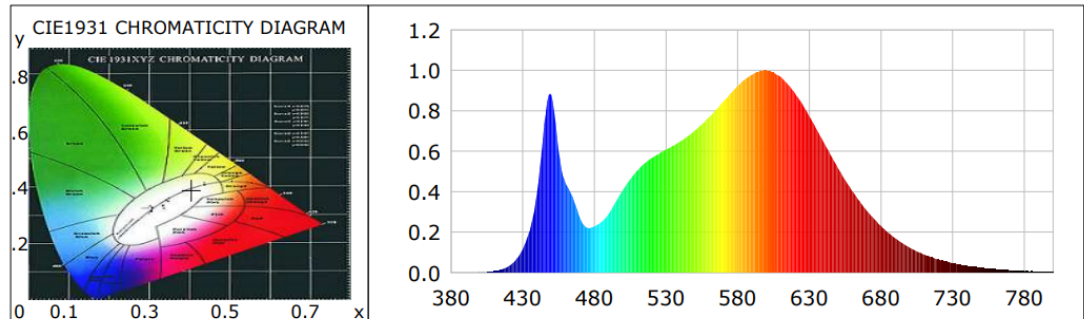
INDEX	CCT	Typical Rating	Max Rating
Flux	2700K	13640 lm	30600 lm
	3000K	14200 lm	31800 lm
	3500K	14680 lm	32880 lm
	4000K	15080 lm	33760 lm
Efficacy	2700K	184 lm/W	166 lm/W
	3000K	191 lm/W	172 lm/W
	3500K	198 lm/W	178 lm/W
	4000K	203 lm/W	182 lm/W
Forward CURRENT		1700 mA	4 A
Forward VOLTAGE		46.2 Vdc	46.2 Vdc
POWER		75 W	185 W

- i. Conformal coating is available for this module
- ii. Solder joints tested with X-ray
- iii. UL Recognized Class-2
- iv. Suitable for DLC 4.0 and 5.0



### 3- Light Source Test Report

<b>Product Spec</b>	48VDC, 1300mA, CC	<b>Voltage</b>	45.48 V
<b>Current</b>	1.300A	<b>Power</b>	59.28 W
<b>Luminous Flux</b>	10810.87 lm	<b>Efficiency</b>	182.37 lm/W
<b>Radiant Power</b>	32.300 W	<b>EEL</b>	0.07



Energy Efficiency Class: A++ (EU 874-2012)

### 4- Colorimetric Parameters

<b>Chromaticity coordinates</b>	x=0.4048 y=0.3900	<b>Color Ratio</b>	R=0.202 G=0.76 B=0.031
<b>Peak Wavelength</b>	599.8 nm	<b>Half Bandwidth</b>	142.1 nm
<b>Dominant Wavelength</b>	581.3 nm	<b>Color Purity</b>	0.386
<b>CRI</b>	Ra= 82.5	<b>TM30</b>	Rf= 82 , Rg= 96
<b>Color Quality Scale</b>	Qa= 82.7, Qf= 82.5, Qp= 83.9, Qg= 94.8		

R1 =81 R2 =89 R3 =96 R4 =82 R5 =81 R6 =87 R7 =84 R8 =61  
R9 =4 R10=76 R11=81 R12=67 R13=83 R14=98 R15=74

Q1 =80 Q2 =98 Q3 =81 Q4 =79 Q5 =83 Q6 =84 Q7 =85 Q8 =88  
Q9 =98 Q10=89 Q11=86 Q12=84 Q13=83 Q14=71 Q15=74

### 5- Test Information

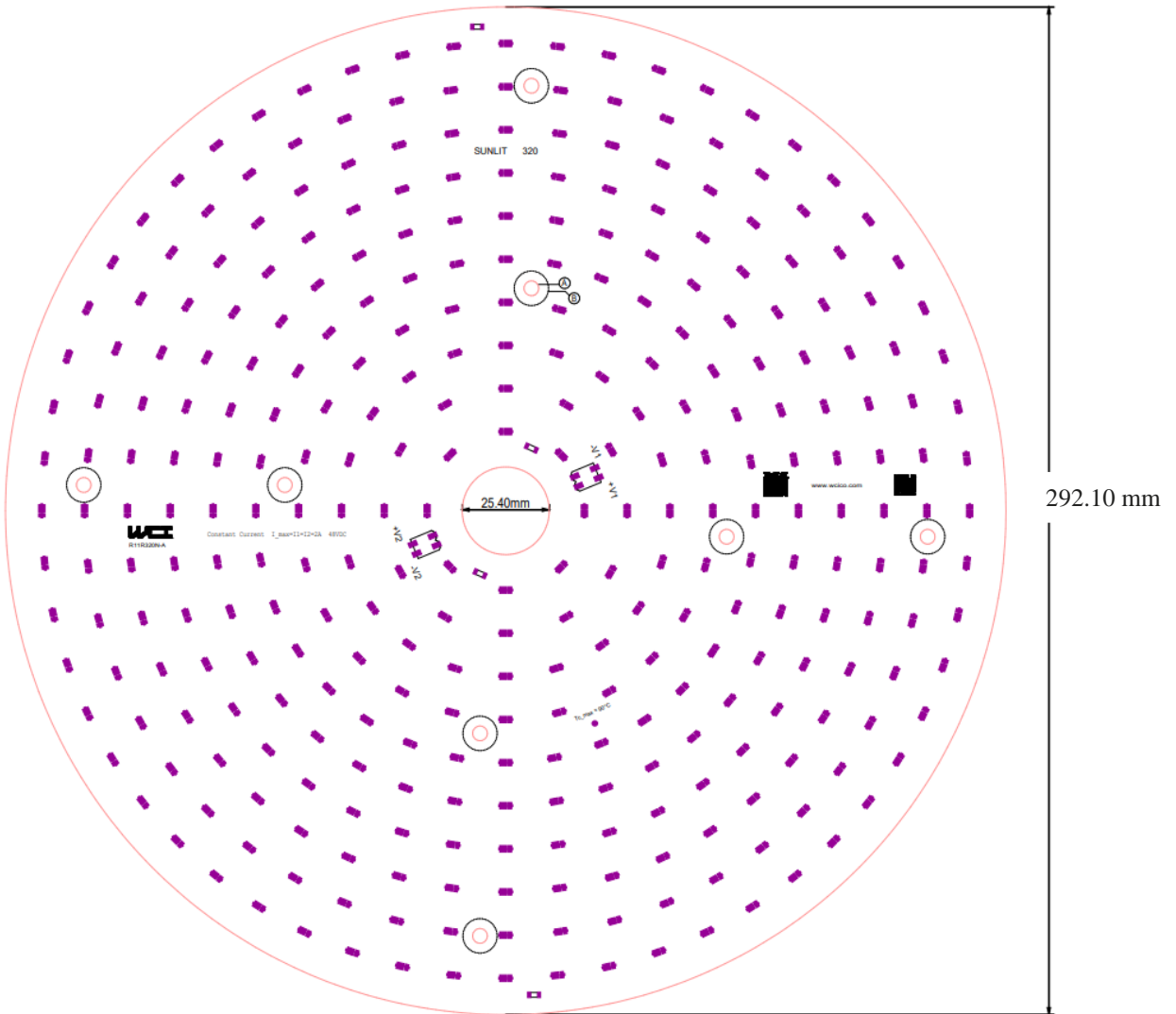
Scan Range: 380~800:1nm  
Stabilization Time: 2 Min  
Max of Signal: 45491 (2363)

Photometric Method: sphere-photometer (spec\_rev)  
Photometric Condition: Sphere diameter: 1.50m, 4PI  
CCD Integration Time: 15.04 ms

- i. Lightsource Test Report is presented by World Class Illumination Laboratories.
- ii. Performance temperatures are measured on 55°C
- iii. 2 push-in connectors on both sides of center hole.



## 6- Module Dimension and Schematic



<b>Module diameter</b>	292.10 mm
<b>Screw hole</b>	4.30 mm
<b>Center screw hole</b>	25.4 mm
<b>PCB thickness</b>	1.60 mm
<b>PCB material</b>	Aluminum

Schematic Circuit: 16S x 20P – 320 LEDs





## SUNLIT 16"

Designed for a downlight application with easy installation process  
Suitable for DLC 4.0 and 5.0  
Maximum efficiency, UL recognized module and ROHS compliant  
Conformal coating available for outdoor application  
Modules are available pre-wired system or with connectors  
4 connectors per system to ease the installation process  
Tunable white, RGB and RGBW available per request

### 1- Module Code

CCT	MODULE CODE	CCT	MODULE CODE
2700K	R080CR393000-2780-CC00	5000K	R080CR393000-5080-CC00
3000K	R080CR393000-3080-CC00	6000K	R080CR393000-6080-CC00
3500K	R080CR393000-3580-CC00	6500K	R080CR393000-6580-CC00
4000K	R080CR393000-4080-CC00		

*For 90 CRI modules the 80 changes to 90 (e.g. R080CR393000-2790-CC00)*

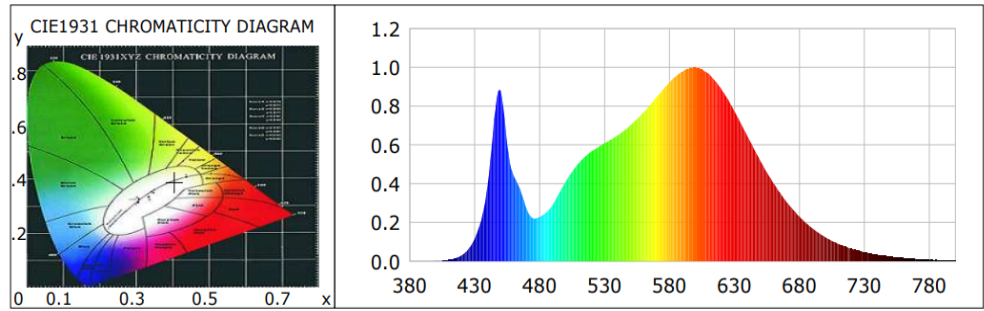
### 2- Photometric Parameters

INDEX	CCT	Typical Rating	Max Rating
Flux	2700K	2040 lm	6220 lm
	3000K	2120 lm	6460 lm
	3500K	2190 lm	6680 lm
	4000K	2250 lm	6860 lm
Efficacy	2700K	191 lm/W	171 lm/W
	3000K	198 lm/W	178 lm/W
	3500K	205 lm/W	184 lm/W
	4000K	210 lm/W	189 lm/W
Forward CURRENT		250 mA	800 mA
Forward VOLTAGE		42.8 Vdc	45.4 Vdc
POWER		10.7 W	36.3 W

*All calculations are based on using CREE LED chip, 80CRI in 25°C*

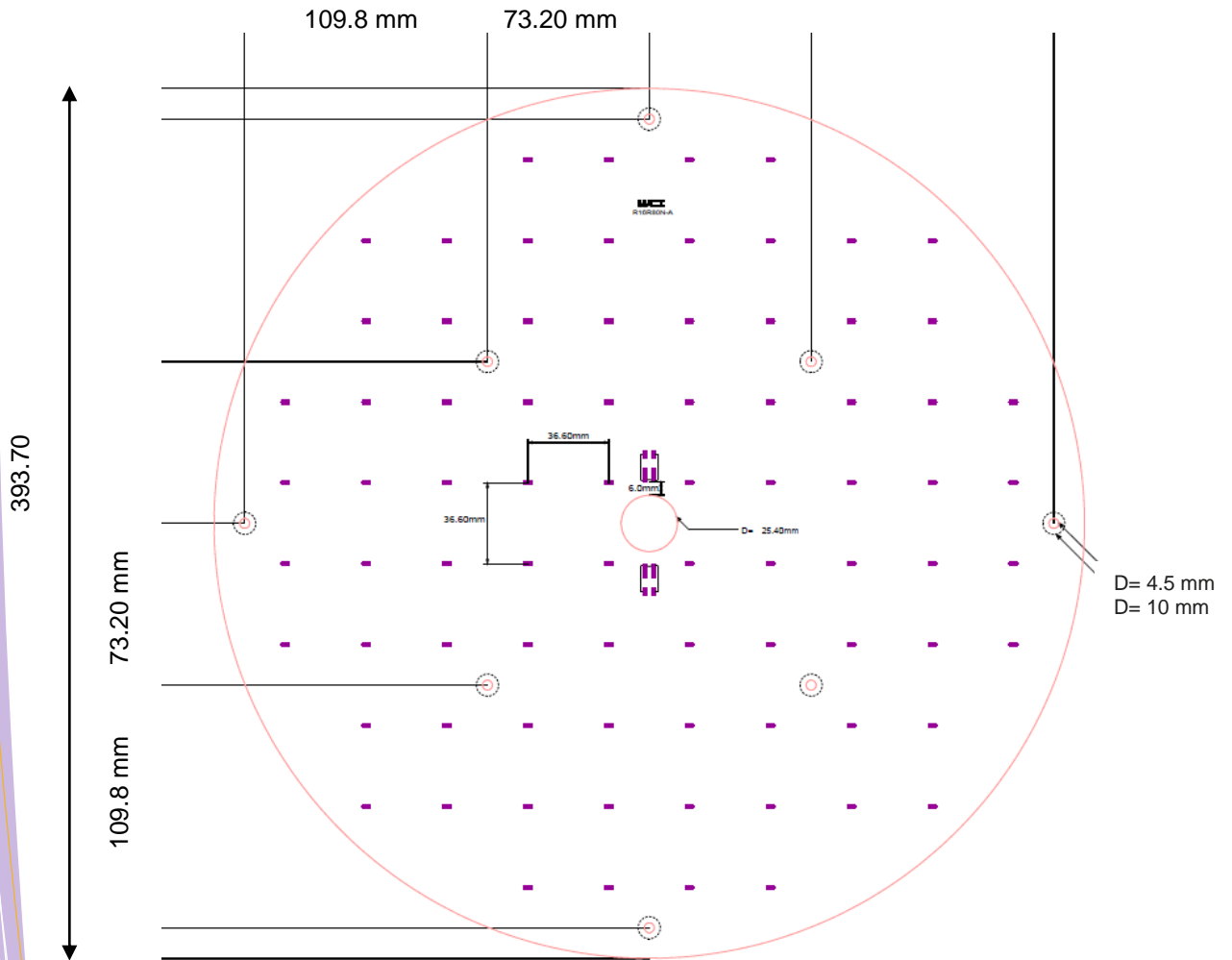


### 3- Light Source Test Report



Energy Efficiency Class: A++ (EU 874-2012)

### 4- Module Dimension and Schematic



Schematic Circuit: 5S x 16LED – 80 LEDs

LED chip: **CREE 2835** or customizable to any other LED brand as request  
 To customize this LED module for LED numbers or tunable white, RGB and RGBW  
 please contact: [sales@wcico.com](mailto:sales@wcico.com)



# SUNLIT 18" – 112 LED

## 1- Module Code

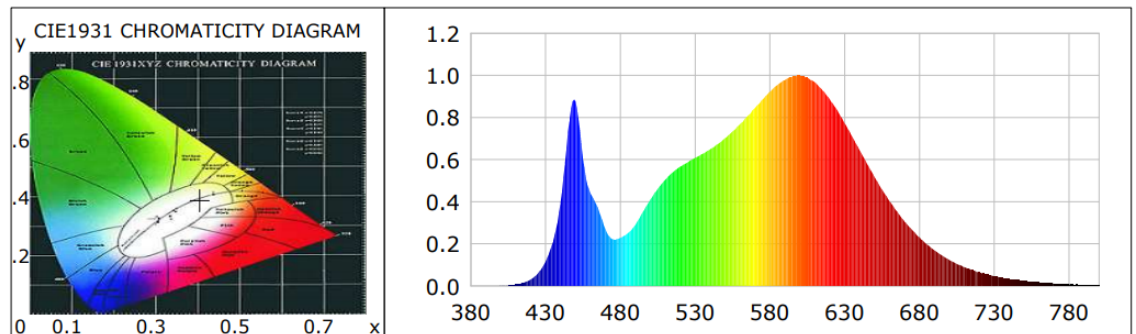
CCT	MODULE CODE	CCT	MODULE CODE
2700K	R112CR444000-2780-CC00	5000K	R112CR444000-5080-CC00
3000K	R112CR444000-3080-CC00	6000K	R112CR444000-6080-CC00
3500K	R112CR444000-3580-CC00	6500K	R112CR444000-6580-CC00
4000K	R112CR444000-4080-CC00		

For 90 CRI modules the 80 changes to 90 (e.g. R112CR444000-2790-CC00)

## 2- Photometric Parameters

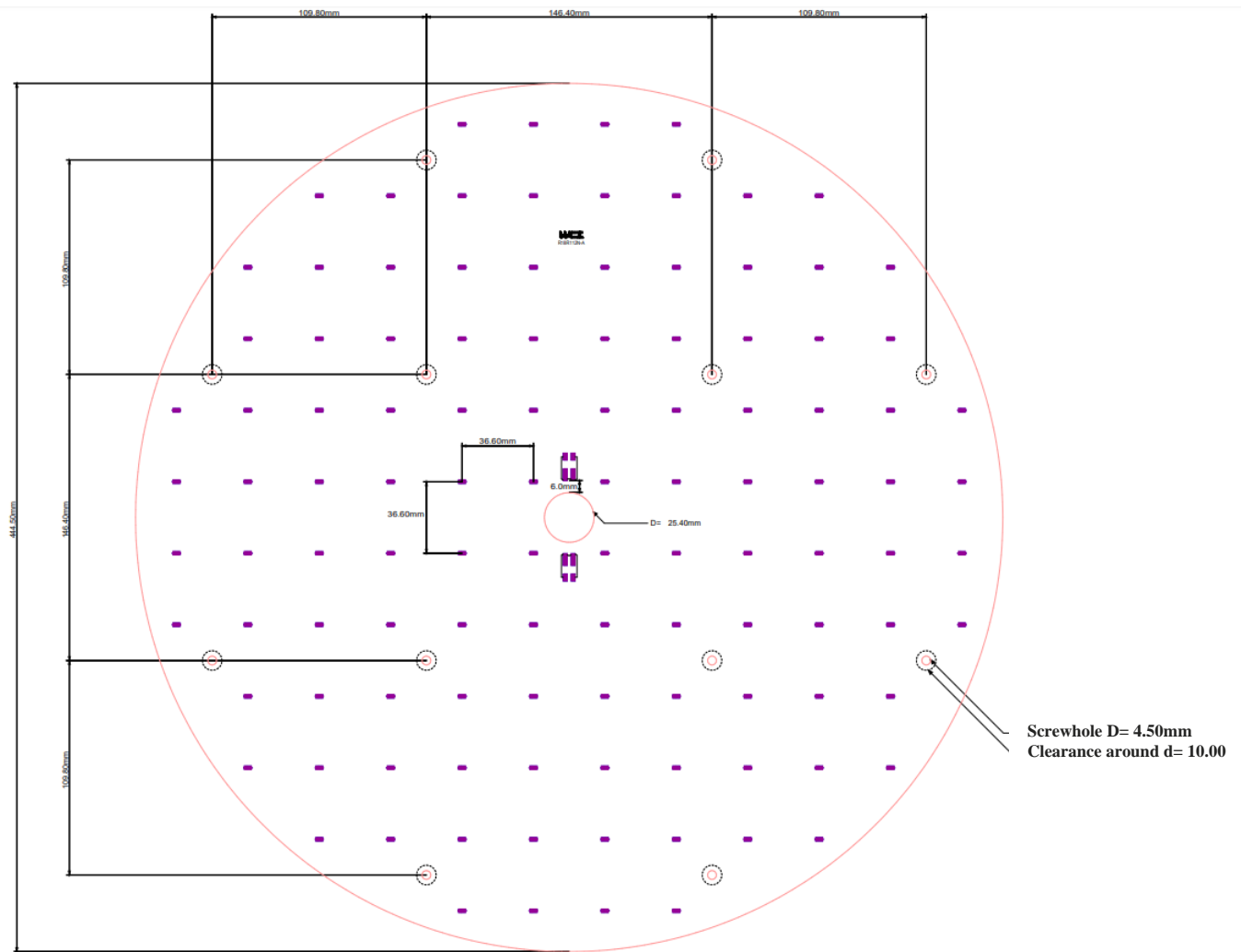
INDEX	CCT	Typical Rating	Max Rating
Flux	2700K	4774 lm	10710 lm
	3000K	4970 lm	11130 lm
	3500K	5138 lm	11508 lm
	4000K	5278 lm	11816 lm
Efficacy	2700K	184 lm/W	166 lm/W
	3000K	191 lm/W	172 lm/W
	3500K	198 lm/W	178 lm/W
	4000K	203 lm/W	182 lm/W
Forward CURRENT		600 mA	1400 mA
Forward VOLTAGE		46.2 Vdc	46.2 Vdc
POWER		26.5W	65W

## 3- Light Source Test Report



Energy Efficiency Class: A++ (EU 874-2012)

### 4- Module Dimension and Schematic



<b>Module diameter</b>	444.50 mm
<b>Screw holes</b>	4.50 mm
<b>Center screw hole</b>	25.4 mm
<b>PCB thickness</b>	1.60 mm
<b>PCB material</b>	Aluminum

Schematic Circuit: 16S x 7P – 112 LEDs



## SUNLIT 2'

23" Diameter boards suitable for 2' application  
2 half-circle modules make a complete circle

Designed for a downlight applications with easy installation process  
Suitable for DLC 4.0 and 5.0  
Maximum efficiency, UL recognized module and ROHS compliant  
Conformal coating available for outdoor application  
Modules are available pre-wired system or with connectors  
4 connectors per system to ease the installation process  
Tunable white, RGB and RGBW available per request  
Customizable to high lumen module per request

### 1- Module Code

CCT	MODULE CODE	CCT	MODULE CODE
2700K	R192CR584000-2780-CC00	5000K	R192CR584000-5080-CC00
3000K	R192CR584000-3080-CC00	6000K	R192CR584000-6080-CC00
3500K	R192CR584000-3580-CC00	6500K	R192CR584000-6580-CC00
4000K	R192CR584000-4080-CC00		

*For 90 CRI modules the 80 changes to 90 (e.g. R192CR584000-2790-CC00)*

### 2- Photometric Parameters per System

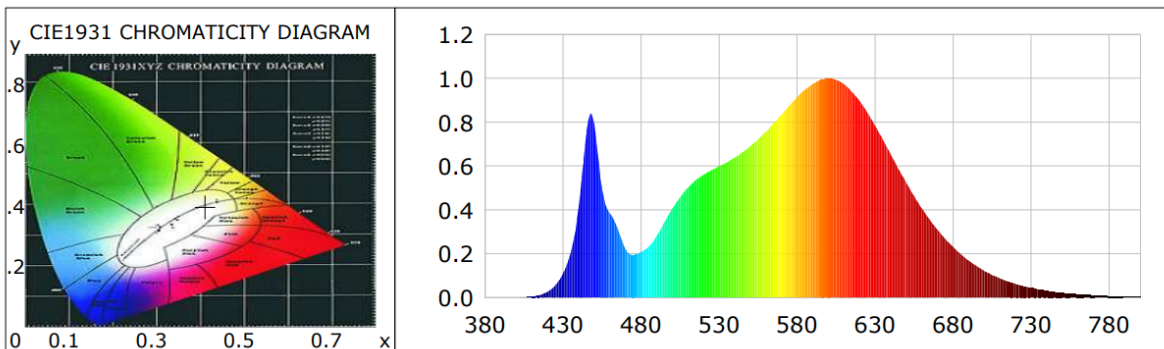
INDEX	CCT	Typical Rating	Max Rating
Flux	2700K	10944 lm	21672 lm
	3000K	11352 lm	22512 lm
	3500K	11760 lm	23280 lm
	4000K	12072 lm	23904 lm
Efficacy	2700K	179 lm/W	161 lm/W
	3000K	186 lm/W	167 lm/W
	3500K	192 lm/W	172 lm/W
	4000K	197 lm/W	177 lm/W
Forward CURRENT		1400 mA	2880 mA
Forward VOLTAGE		44.4 Vdc	47 Vdc
POWER		61.2 W	135 W

*All calculations are based on using CREE LED chip, 80CRI in 25°C*



### 3- Light Source Test Report

<b>Product Spec</b>	48VDC, 390mA, CC	<b>Voltage</b>	45.375 V
<b>Current</b>	0.3899A	<b>Power</b>	17.69 W
<b>Luminous Flux</b>	3026.69 lm	<b>Efficiency</b>	171.09 lm/W
<b>Radiant Power</b>	8.98 W	<b>EEL</b>	0.08



Energy Efficiency Class: A++ (EU 874-2012)

### 4- Colorimetric Parameters

<b>Chromaticity coordinates</b>	x=0.4108 y=0.3949	<b>Color Ratio</b>	R=0.205 G=0.76 B=0.029
<b>Peak Wavelength</b>	600.2 nm	<b>Half Bandwidth</b>	142.2 nm
<b>Dominant Wavelength</b>	580.9 nm	<b>Color Purity</b>	0.418
<b>CRI</b>	Ra= 82.4	<b>TM30</b>	Rf= 82 , Rg= 97
<b>Color Quality Scale</b>	Qa= 82.8, Qf= 83.4, Qp= 83.1, Qg= 92.6		

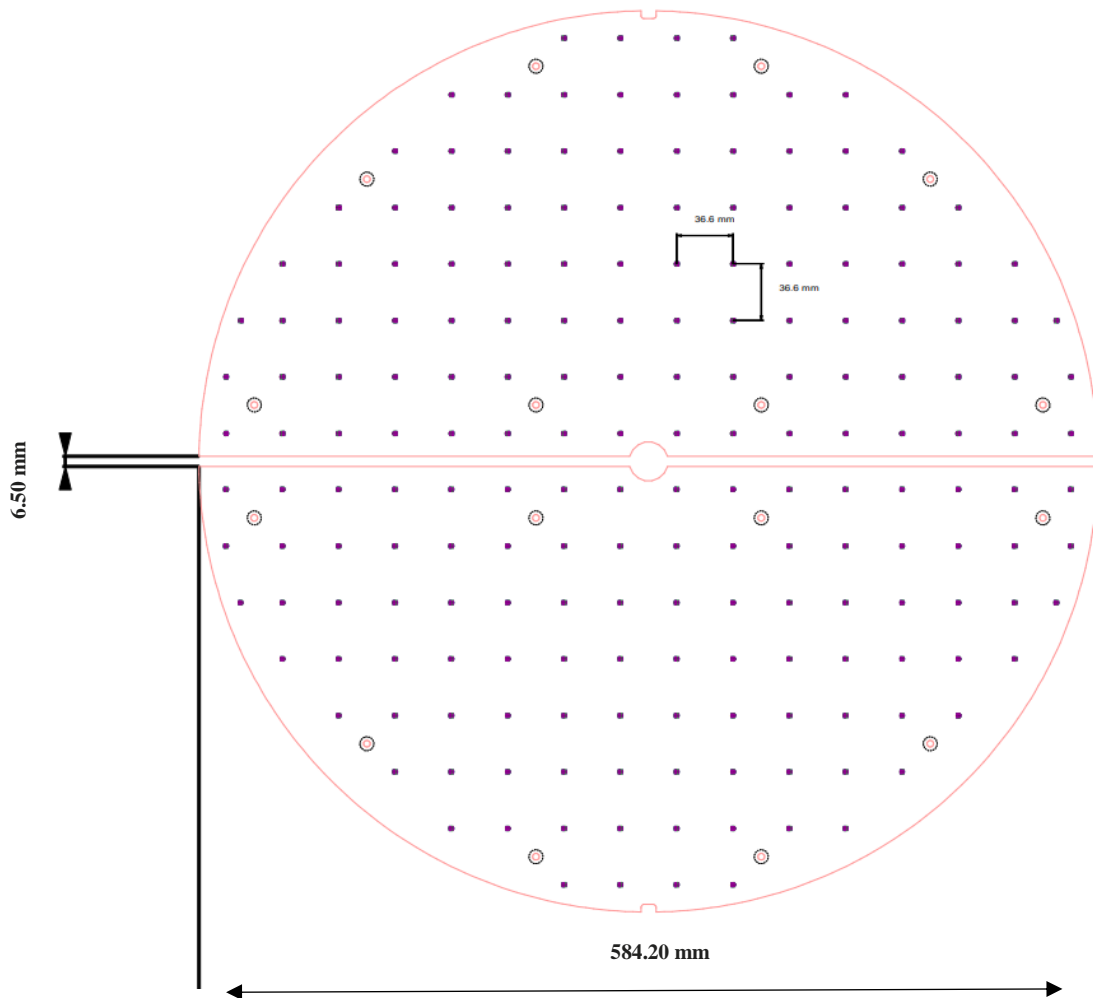
R1 =81 R2 =89 R3 =96 R4 =82 R5 =81 R6 =87 R7 =84 R8 =61 R9 =4  
R10=76 R11=81 R12=67 R13=83 R14=98 R15=74

Q1 =80 Q2 =98 Q3 =81 Q4 =79 Q5 =83 Q6 =84 Q7 =85 Q8 =88 Q9 =98  
Q10=89 Q11=86 Q12=84 Q13=83 Q14=71 Q15=74

- i. Lightsource Test Report is presented by World Class Illumination Laboratories.
- ii. Performance temperatures are measured on 55°C



## 5- Module Dimension and Schematic



<b>Module diameter</b>	584.20 mm
<b>Screw holes</b>	4.50 mm
<b>PCBs gap</b>	6.50 mm
<b>PCB thickness</b>	1.60 mm
<b>PCB material</b>	Aluminum

Schematic Circuit: 16S x 12P – 196 LEDs per system





# SUNLIT 3'

34" Diameter boards suitable for 3' application  
3 LED modules make a complete circle

## 1- Module Code

CCT	MODULE CODE	CCT	MODULE CODE
2700K	R448CR786000-2780-CC00	5000K	R448CR786000-5080-CC00
3000K	R448CR786000-3080-CC00	6000K	R448CR786000-6080-CC00
3500K	R448CR786000-3580-CC00	6500K	R448CR786000-6580-CC00
4000K	R448CR786000-4080-CC00		

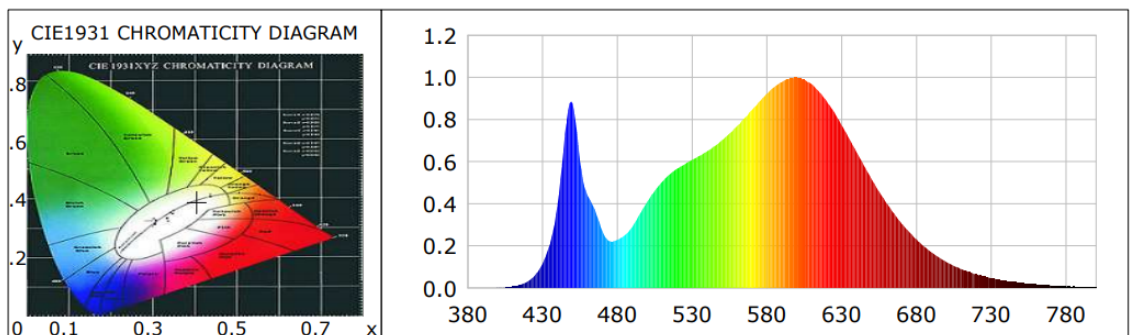
*For 90 CRI modules the 80 changes to 90 (e.g. R448CR786000-2790-CC00)*

## 2- Photometric Parameters

INDEX	CCT	Typical Rating	Max Rating
Flux	2700K	25526 lm	50568 lm
	3000K	26488 lm	52528 lm
	3500K	27440 lm	54320 lm
	4000K	28168 lm	55776 lm
Efficacy	2700K	179 lm/W	161 lm/W
	3000K	186 lm/W	167 lm/W
	3500K	193 lm/W	172 lm/W
	4000K	197 lm/W	177 lm/W
Forward CURRENT		3220 mA	6720 mA
Forward VOLTAGE		44.5 Vdc	47 Vdc
POWER		142 W	315 W

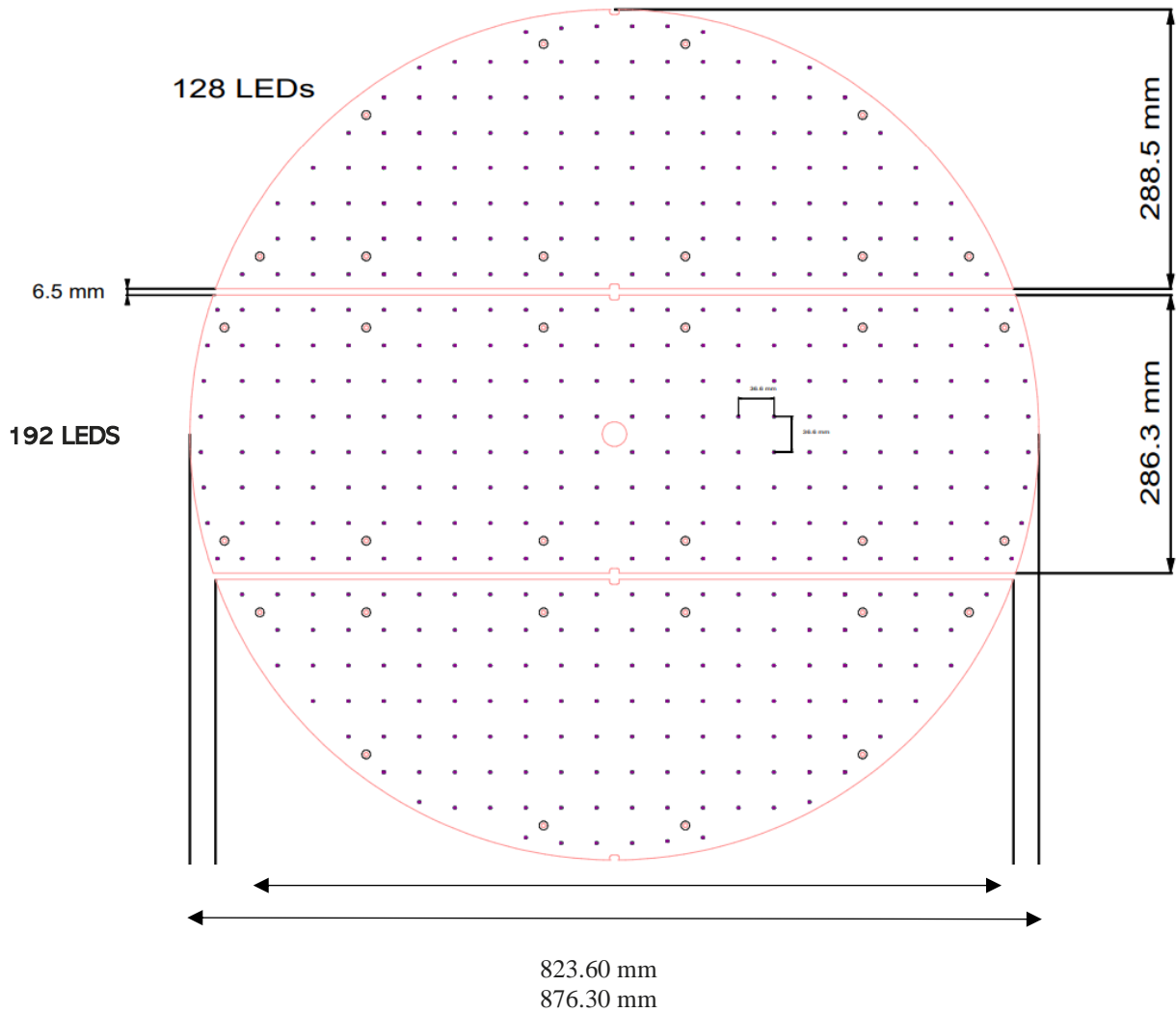
*All calculations are based on using CREE LED chip, 80CRI*

## 3- Light Source Test Report





#### 4- Module Dimension and Schematic



<b>Module diameter</b>	876.30 mm	<b>Center part side</b>	823.60 mm
<b>Screw holes</b>	4.50 mm	<b>Center screw holes</b>	32.00 mm
<b>PCBs gap</b>	6.50 mm	<b>LED pitch</b>	36.60 mm
<b>PCB thickness</b>	1.60 mm	<b>Center part LED no.</b>	192
<b>PCB material</b>	Aluminum	<b>Low part LED no.</b>	128

Schematic Circuit: 16S x 28P – 448 LEDs per system



# SUNLIT 4'

46" Diameter boards suitable for 4' application  
4 LED modules make a complete circle

## 1- Module Code

CCT	MODULE CODE	CCT	MODULE CODE
2700K	R768CR116800-2780-CC00	5000K	R768CR116800-5080-CC00
3000K	R768CR116800-3080-CC00	6000K	R768CR116800-6080-CC00
3500K	R768CR116800-3580-CC00	6500K	R768CR116800-6580-CC00
4000K	R768CR116800-4080-CC00		

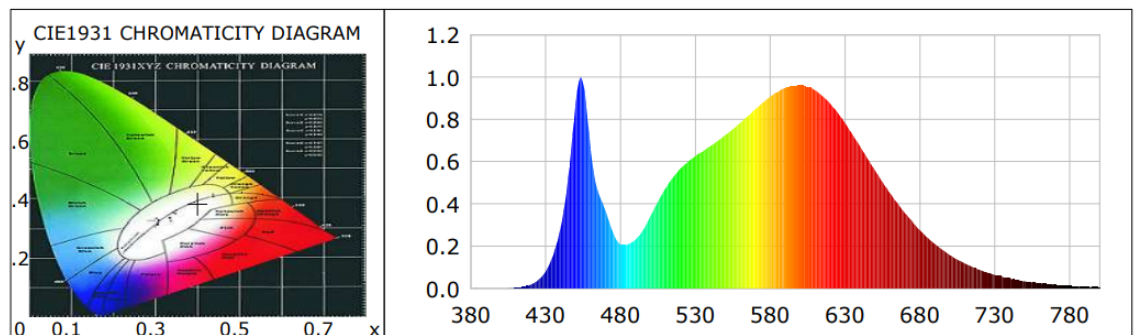
*For 90 CRI modules the 80 changes to 90 (e.g. R768CR116800-2790-CC00)*

## 2- Photometric Parameters

INDEX	CCT	Typical Rating	Max Rating
Flux	2700K	43776 lm	86688 lm
	3000K	45408 lm	90048 lm
	3500K	47040 lm	93120 lm
	4000K	48288 lm	95616 lm
Efficacy	2700K	179 lm/W	161 lm/W
	3000K	186 lm/W	167 lm/W
	3500K	193 lm/W	172 lm/W
	4000K	197 lm/W	177 lm/W
Forward CURRENT		5520 mA	11520 mA
Forward VOLTAGE		44.5 Vdc	47 Vdc
POWER		245 W	540 W

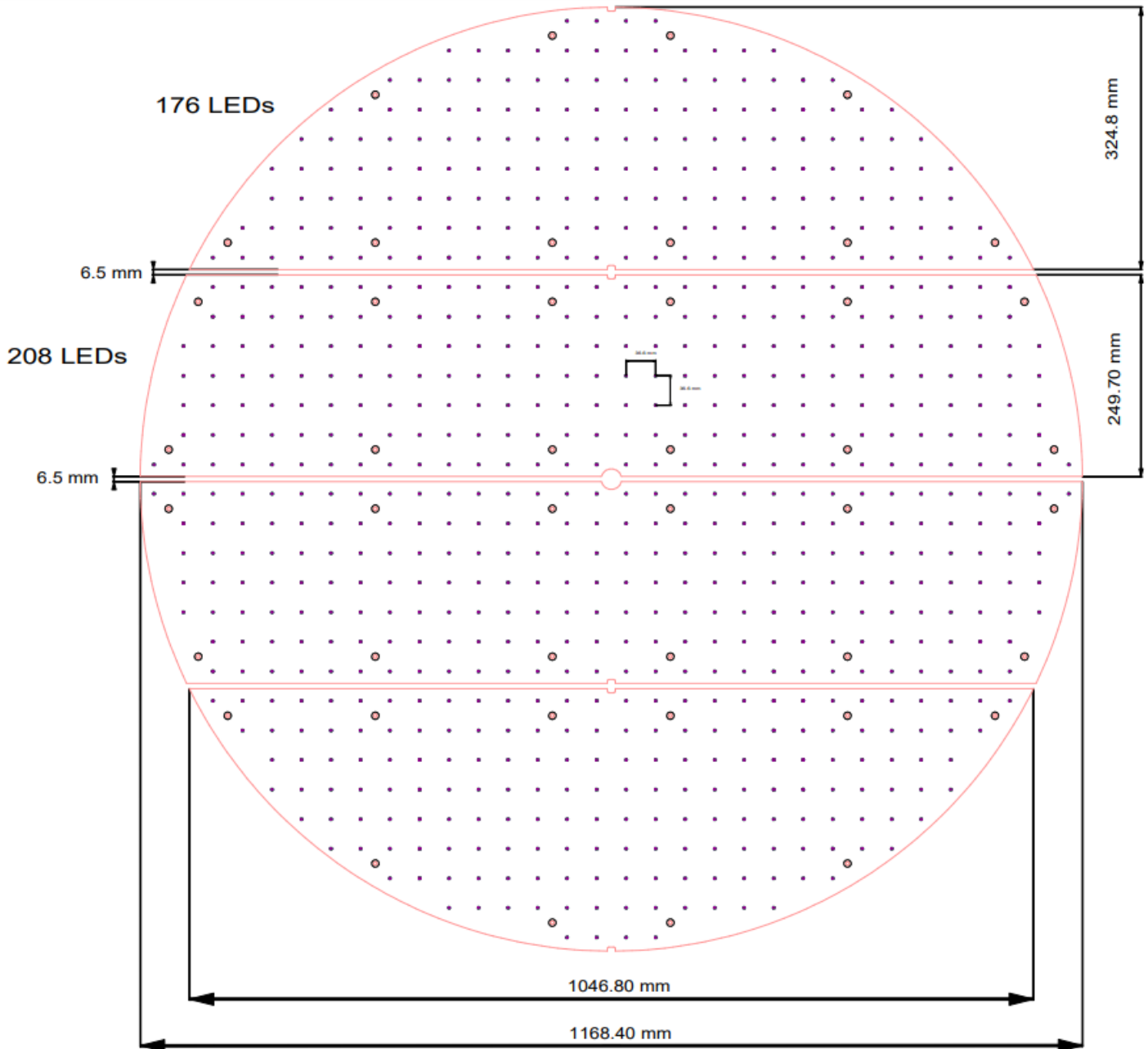
*All calculations are based on using CREE LED chip, 80CRI*

## 3- Light Source Test Report





#### 4- Module Dimension and Schematic



Schematic Circuit: 16S x 48P = 768 LEDs per system  
LED pitch is 36.60 mm



**World Class Illumination Inc.**

[www.wcico.com](http://www.wcico.com)

[sales@wcico.com](mailto:sales@wcico.com)

**(805) 499 - 9513**