

SunLumin[®]

Your Optical
Solution Partner



2025
Spring Version

CATALOGUE

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SunLumin Customize Solution

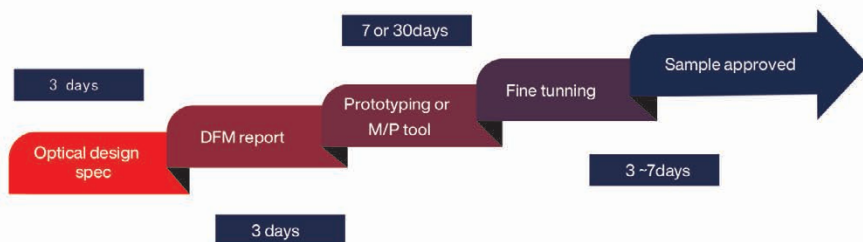
Research & Development

Dedicated optical engineers

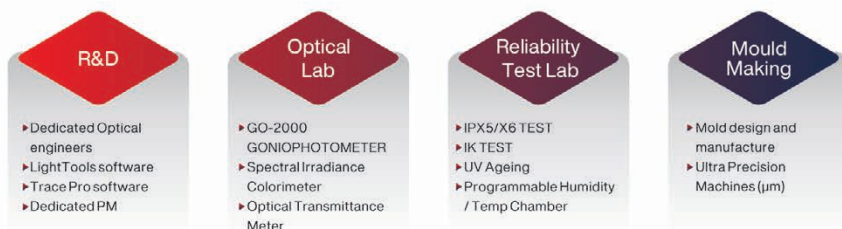
Dedicated mechanical engineers

Dedicated project management engineers

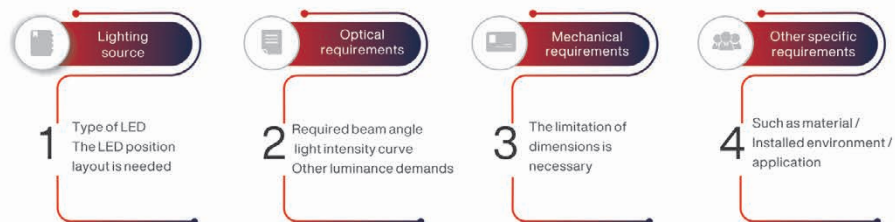
Turn around time: within 16-43 days



Customize Advantage



Customization



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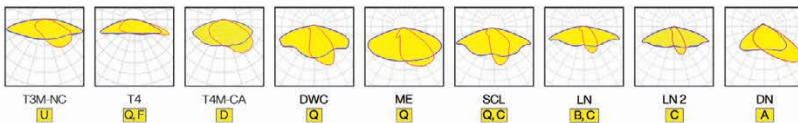
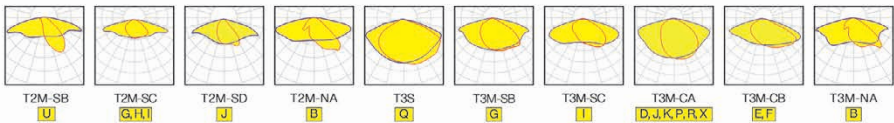
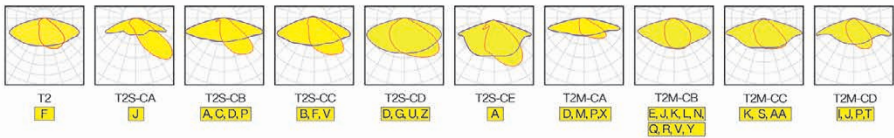
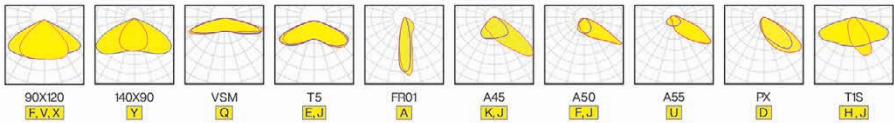
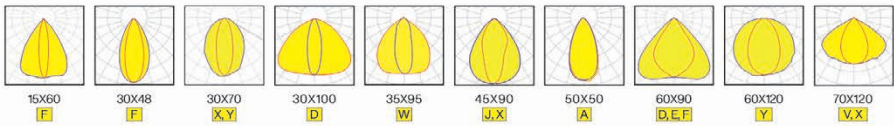
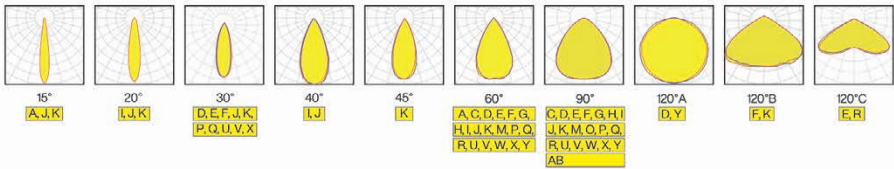
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Common Beam Type Abbreviations

Name	Beam Type
30, 60, 90 etc.	beam angle in degrees
A	Asymmetric
DA	Double asymmetric
N	Narrow
M	Medium
W	Wide
T2S-CA, CB, CC etc.	T2S cutoff type A/B/C etc.
T2S-SA, SB, SC etc.	T2S semicutoff type A/B/C etc.
T2M-NA, NB, NC etc.	T2M Noncutoff type A/B/C etc.
FR01	Railway Light

Street & Area Lighting

A MAXWELL-4_3535	H MAXWELL-12	O AMBER-IP-12	V FARADAY-64
B MAXWELL-6_3535	I MAXWELL-12_3030	P FRANKLIN-12	W FARADAY-80
C MAXWELL-8_3535	J MAXWELL-16	Q FRANKLIN-24	X FARADAY-96
D MAXWELL-4	K MAXWELL-24	R FERMI-8	Y GAUSSIAN
E MAXWELL-6	L TESLA-2X3	S FERMI-24	Z RUTHERFORD
F MAXWELL-8	M TESLA-IP-24	T FERMI-27/46	AA RUTHERFORD-G2
G MAXWELL-10	N AMBER-6	U FARADAY-28	AB COULOMB



Street & Area Lighting

MAXWELL

50 x 50 mm modular solutions. The most versatile modular product family especially designed for street and area lighting, but also suitable for wide range of other applications.

MAXWELL-4_3535

50 x 50 mm 2X2 arrays optimized for 3535 size LED packages. The position of LED and the positioning column meet the EU ZHAGA standard.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
MAXWELL-4-15_3535	50X50	4	15	91
MAXWELL-4-60X50_3535	50X50	4	50X50	94
MAXWELL-4-60_3535	50X50	4	60	94
MAXWELL-4-FR01_3535	50X50	4	Asymmetric	91
MAXWELL-4-T2S-CB_3535	50X50	4	Asymmetric	95
MAXWELL-4-T2S-CE_3535	50X50	4	Asymmetric	94
MAXWELL-4-DN_3535	NEW 50X50	4	Asymmetric	95

MAXWELL-6_3535

50 x 50 mm 2X3 arrays optimized for 3535 size LED packages.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
MAXWELL-6-T2S-CC_3535	50X50	6	Asymmetric	95
MAXWELL-6-T2M-NA_3535	NEW 50X50	6	Asymmetric	92
MAXWELL-6-T3M-NA_3535	NEW 50X50	6	Asymmetric	89
MAXWELL-6-LN_3535	NEW 50X50	6	Asymmetric	95

MAXWELL-8_3535

50 x 50 mm 8 lens (3+2+3) arrays optimized for 3535 size LED packages. The position of LED and the positioning column meet the EU ZHAGA standard.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
MAXWELL-8-60_3535*/**	50X50	8	60	94
MAXWELL-8-90_3535*/**	50X50	8	90	94
MAXWELL-8-T2S-CB_3535***	50X50	8	Asymmetric	94
MAXWELL-8-LN_3535***	NEW 50X50	8	Asymmetric	95
MAXWELL-8-LN2_3535	NEW 50X50	8	Asymmetric	92
MAXWELL-8-SCL_3535	NEW 50X50	8	Asymmetric	94

* HV models are available, with different positioning pin, suitable for high voltage circuit design.

** PC/PMMA material available.

*** PMMA/PMMA HT material available.

MAXWELL-4

50 x 50 mm 2X2 arrays optimized for flat 5050 size LED packages. The position of LED and the positioning column meet the EU ZHAGA standard.

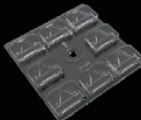
Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
MAXWELL-4-30	50X50	4	30	91
MAXWELL-4-60	50X50	4	60	93
MAXWELL-4-90	50X50	4	90	93
MAXWELL-4-120A	50X50	4	120	93
MAXWELL-4-30X100	50X50	4	30X100	93
MAXWELL-4-60X90	50X50	4	60X90	92
MAXWELL-4-T2S-CB	50X50	4	Asymmetric	93
MAXWELL-4-T2M-CA	50X50	4	Asymmetric	92
MAXWELL-4-T2M-CD	NEW 50X50	4	Asymmetric	96
MAXWELL-4-T3M-CA	50X50	4	Asymmetric	93
MAXWELL-4-T4M-CA	50X50	4	Asymmetric	93
MAXWELL-4-PX	NEW 50X50	4	Asymmetric	93



MAXWELL-4_3535



MAXWELL-6_3535



MAXWELL-8_3535



MAXWELL-4

Street & Area Lighting

MAXWELL-6

50 x 50 mm 2X3 arrays for flat 5050 size LED packages.

Name		Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
MAXWELL-6-30		50X50	6	30	96
MAXWELL-6-60		50X50	6	60	96
MAXWELL-6-90		50X50	6	90	96
MAXWELL-6-120C		50X50	6	120	93
MAXWELL-6-60X90		50X50	6	60X90	92
MAXWELL-6-T5		50X50	6	T5	93
MAXWELL-6-T2M-CB		50X50	6	Asymmetric	94
MAXWELL-6-T3M-CB	COMING	50X50	6	Asymmetric	93



MAXWELL-6

MAXWELL-8

50 x 50 mm 8 lens (3+2+3) arrays for up to flat 5050 size LED packages. The position of LED meet the EU ZHAGA standard.

Name		Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
MAXWELL-8-30**		50X50	8	30	93
MAXWELL-8-60**		50X50	8	60	95
MAXWELL-8-90**		50X50	8	90	96
MAXWELL-8-120B***		50X50	8	120	95
MAXWELL-8-15X60	NEW	50X50	8	15X60	95
MAXWELL-8-30X48	NEW	50X50	8	30X48	95
MAXWELL-8-60X90		50X50	8	60X90	92
MAXWELL-8-90X120		50X50	8	90X120	92
MAXWELL-8-T2***	NEW	50X50	8	Asymmetric	91
MAXWELL-8-T2S-CC***		50X50	8	Asymmetric	95
MAXWELL-8-T3M-CB	NEW	50X50	8	Asymmetric	93
MAXWELL-8-T4***		50X50	8	Asymmetric	83
MAXWELL-8-A50	NEW	50X50	8	Asymmetric	89

**PC/PMMA/PMMA HT material available.

***PMMA/PMMA HT material available.



MAXWELL-8

MAXWELL-10

50 x 50 mm 10 lens (2X+2) arrays optimized for flat 5050 size LED packages. Second generation lens.

Name		Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
MAXWELL-10-60	COMING	50X50	10	60	93
MAXWELL-10-90	NEW	50X50	10	90	93
MAXWELL-10-T2S-CD	NEW	50X50	10	Asymmetric	93
MAXWELL-10-T2M-SC		50X50	10	Asymmetric	92
MAXWELL-10-T3M-SB		50X50	10	Asymmetric	92



MAXWELL-10

MAXWELL-12

50 x 50 mm 12 lens (2X5+2) arrays optimized for flat 5050 size LED packages.

Name		Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
MAXWELL-12-60	COMING	50X50	12	60	94
MAXWELL-12-90	COMING	50X50	12	90	94
MAXWELL-12-T1S	COMING	50X50	12	Asymmetric	97
MAXWELL-12-T2M-SC		50X50	12	Asymmetric	97



MAXWELL-12

Street & Area Lighting

MAXWELL-12_3030

50 x 50 mm 12 lens arrays optimized for flat 3030 size LED packages. Variant with improved LED distance.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
MAXWELL-12-20_3030	50X50	12	20	94
MAXWELL-12-40_3030	50X50	12	40	94
MAXWELL-12-60_3030	50X50	12	60	94
MAXWELL-12-90_3030	50X50	12	90	94
MAXWELL-12-T2M-CD_3030	50X50	12	Asymmetric	93
MAXWELL-12-T2M-SC_3030	50X50	12	Asymmetric	94
MAXWELL-12-T3M-SC_3030	50X50	12	Asymmetric	93

MAXWELL-16

50 x 50 mm 4X4 arrays optimized for 3030 size LED packages. The position of LED and the positioning column meet the EU ZHAGA standard.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
MAXWELL-16-15	50X50	16	15	93
MAXWELL-16-20	50X50	16	20	93
MAXWELL-16-30	50X50	16	30	95
MAXWELL-16-40	50X50	16	40	93
MAXWELL-16-60	50X50	16	60	93
MAXWELL-16-90	50X50	16	90	93
MAXWELL-16-45X90	50X50	16	45X90	93
MAXWELL-16-T5	50X50	16	T5	93
MAXWELL-16-A45	50X50	16	Asymmetric	94
MAXWELL-16-A50	50X50	16	Asymmetric	95
MAXWELL-16-T15	50X50	16	Asymmetric	93
MAXWELL-16-T2S-CA	50X50	16	Asymmetric	93
MAXWELL-16-T2M-CB	50X50	16	Asymmetric	93
MAXWELL-16-T2M-CD	50X50	16	Asymmetric	96
MAXWELL-16-T2M-SD	50X50	16	Asymmetric	90
MAXWELL-16-T3M-CA	50X50	16	Asymmetric	95

MAXWELL-24

50 x 50 mm 24 lens arrays optimized for 3030 size LED packages.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
MAXWELL-24-15	50X50	24	15	92
MAXWELL-24-20	50X50	24	20	94
MAXWELL-24-30	50X50	24	30	92
MAXWELL-24-45	50X50	24	45	94
MAXWELL-24-60	50X50	24	60	95
MAXWELL-24-90	50X50	24	90	93
MAXWELL-24-120B	50X50	24	120	92
MAXWELL-24-A45	50X50	24	Asymmetric	92
MAXWELL-24-T2M-CC	50X50	24	Asymmetric	96
MAXWELL-24-T2M-CB	50X50	24	Asymmetric	93
MAXWELL-24-T3M-CA	50X50	24	Asymmetric	94

TESLA

TESLA-2X3

62 x 30 mm modular solutions. 2X3 arrays for up to 5050 size LED packages.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
TESLA-2X3-T2M-CB	62X30	6	Asymmetric	95



MAXWELL-12_3030



MAXWELL-16



MAXWELL-24



TESLA-2X3

Street & Area Lighting

TESLA-IP-24

135X100mm; IP66 with a silicone gasket; 24 lens arrays for 5050 size LED packages

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
TESLA-IP-24-60	135X100	24	60	93
TESLA-IP-24-90	135X100	24	90	93
TESLA-IP-T2M-CA	135X100	24	Asymmetric	93

COULOMB

90X90mm ingress protected 4 lens arrays with a silicone gasket optimized for flat 7070 size LED packages.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
COULOMB-4-90	90X90	4	90	95

AMBER

Amber color material eliminate blue light

AMBER-6

2x3 Lens arrays with 5050 size LED package; amber color material eliminate blue light.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
AMBER-6-T2M-CB	COMING 50X50	6	Asymmetric	95

AMBER-IP-12

173 x 71 mm ingress protected 2X6 arrays with a silicone gasket for up to flat 5050 size LED packages. Meet the EU ZHAGA standard.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
AMBER-IP-12-90	173X71	12	90	80

FRANKLIN

173 x 71 mm modular solutions. IP66 with silicone gasket; The most versatile modular product family especially designed for street lighting and area lighting, but also suitable for wide range of other applications.

FRANKLIN-12

173 x 71 mm, 2X6 arrays for up to flat 5050 size LED packages. Meet the EU ZHAGA standard.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
FRANKLIN-12-30	173X71	12	30	95
FRANKLIN-12-60	173X71	12	60	95
FRANKLIN-12-90	173X71	12	90	95
FRANKLIN-12-T2S-CB	173X71	12	Asymmetric	93
FRANKLIN-12-T2M-CA	173X71	12	Asymmetric	93
FRANKLIN-12-T2M-CD	173X71	12	Asymmetric	90
FRANKLIN-12-T3M-CA	173X71	12	Asymmetric	93

FRANKLIN-24

173 x 71 mm, 3X8 arrays for up to flat 5050 size LED packages.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
FRANKLIN-24-30	173X71	24	30	93
FRANKLIN-24-60	173X71	24	60	93
FRANKLIN-24-90	173X71	24	90	93
FRANKLIN-24-T2M-CB	173X71	24	Asymmetric	94
FRANKLIN-24-T3	COMING 173X71	24	Asymmetric	89
FRANKLIN-24-T4	173X71	24	Asymmetric	89
FRANKLIN-24-DWC	COMING 173X71	24	Asymmetric	89
FRANKLIN-24-SQL	COMING 173X71	24	Asymmetric	89
FRANKLIN-24-ME	COMING 173X71	24	Asymmetric	89
FRANKLIN-24-VSM	COMING 173X71	24	VSM	89



TESLA-IP-24



COULOMB



AMBER-IP-12



FRANKLIN-12



FRANKLIN-24

Street & Area Lighting

FERMI

Multi-modular solutions, special for Brazil market.

FERMI-8

50 x 50 mm 8 lens (2X4) arrays optimized for flat 5050 size LED packages.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
FERMI-8-60	50X50	8	60	96
FERMI-8-90	50X50	8	90	96
FERMI-8-120C	50X50	8	120	96
FERMI-8-T2M-CB	50X50	8	Asymmetric	94
FERMI-8-T3M-CA	50X50	8	Asymmetric	93

FERMI-24

173 x 71 mm, IP66 with a silicone gasket, 6X4 arrays for up to flat 5050 size LED packages

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
FERMI-24-T2M-CC	173X71	24	Asymmetric	93

FERMI-27

220 x 78 mm ingress protected 27 lens arrays with a silicone gasket for up to flat 5050 size LED packages

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
FERMI-27-T2M-CD	220X78	27	Asymmetric	90

FERMI-46

220X110mm, IP66 with a silicone gasket, 46 lens arrays for up to flat 5050 size LED packages

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
FERMI-46-T2M-CD	220X110	46	Asymmetric	93

FARADAY

Width 70 mm IP66 modular lens solutions;

FARADAY-28

236 x 70 mm with 28 lens arrays; Reach IP66 with silicone gasket; Design base on flat 5050 size LED package.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
FARADAY-28-30	236X70	28	30	92
FARADAY-28-60	236X70	28	60	92
FARADAY-28-90	236X70	28	90	92
FARADAY-28-T2S-CD	236X70	28	Asymmetric	93
FARADAY-28-T2M-SB	236X70	28	Asymmetric	93
FARADAY-28-T3M-NC	236X70	28	Asymmetric	93
FARADAY-28-A55	236X70	28	Asymmetric	93

FARADAY-64

236 x 70 mm with 64 lens arrays; Reach IP66 with silicone gasket; Design base on flat 3030 size LED package.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
FARADAY-64-30	236X70	64	30	93
FARADAY-64-60	236X70	64	60	93
FARADAY-64-90	236X70	64	90	93
FARADAY-64-70X120	236X70	64	70X120	93
FARADAY-64-T2S-CC	236X70	64	Asymmetric	93
FARADAY-64-T2M-CB	236X70	64	Asymmetric	93



FERMI-8



FERMI-24



FERMI-27



FERMI-46



FARADAY-28



FARADAY-64

Street & Area Lighting

FARADAY-80

234 x 70 mm with 80 lens arrays; Reach IP66 with silicone gasket; Design base on flat 3030 size LED package.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
FARADAY-80-60	234X70	80	60	94
FARADAY-80-90	234X70	80	90	93
FARADAY-80-35X95	234X70	80	35X95	93

FARADAY-96

252 x 70 mm with 96 lens arrays; Reach IP66 with silicone gasket; Design base on flat 3030 size LED package.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
FARADAY-96-30	COMING 252X70	96	30	93
FARADAY-96-60	COMING 252X70	96	60	93
FARADAY-96-90	COMING 252X70	96	90	93
FARADAY-96-30X70	COMING 252X70	96	30X70	93
FARADAY-96-45X90	COMING 252X70	96	45X90	93
FARADAY-96-T2M-CA	COMING 252X70	96	Asymmetric	93
FARADAY-96-T3M-CA	COMING 252X70	96	Asymmetric	93

GAUSSIAN

256X78mm; IP66 with silicone gasket; 90 lens arrays for up to flat 3030 size LED package.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
GAUSSIAN-90-60	256X78	90	60	93
GAUSSIAN-90-90	256X78	90	90	93
GAUSSIAN-90-120A	256X78	90	120	93
GAUSSIAN-90-70X30	256X78	90	70X30	93
GAUSSIAN-90-120X60	256X78	90	120X60	93
GAUSSIAN-90-140X90	256X78	90	140X90	93
GAUSSIAN-90-T2M-CB	256X78	90	Asymmetric	93

RUTHERFORD

Integrated with Ingress protected power supply chamber cover and light source chamber; IP66 with silicone gasket; Optimized for 3030 size LED packages. For different wattages, has excellent waterproof ability. Compatible with 2835 LED package.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
RUTHERFORD-72-T2S-CD	325X110	72	Asymmetric	94
RUTHERFORD-120-T2S-CD	375X128	120	Asymmetric	94
RUTHERFORD-192-T2S-CD	433X145	192	Asymmetric	94

RUTHERFORD-G2

T2M cutoff, meet Brazil Imetro certification light distribution requirement. Integrated with Ingress protected power supply chamber cover and light source chamber; IP66 with silicone gasket; Optimized for 2835 size LED packages for different wattages, has excellent waterproof ability. Compatible with 3030 LED package.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
RUTHERFORD-64-T2M-CC_G2	NEW 223X130	64	T2M	90
RUTHERFORD-112-T2M-CC_G2	NEW 304X134	112	T2M	90
RUTHERFORD-192-T2M-CC_G2	NEW 355X185	192	T2M	90
RUTHERFORD-280-T2M-CC_G2	NEW 420X210	280	T2M	90
RUTHERFORD-384-T2M-CC_G2	NEW 495X245	384	T2M	90



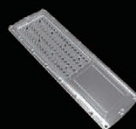
FARADAY-80



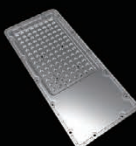
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GAUSSIAN

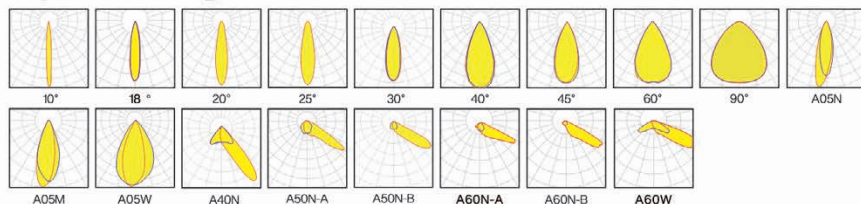


RUTHERFORD



RUTHERFORD-G2

Sports Light Lens



SPORT-4

50 x 50 mm 2X2 arrays optimized for HP 3535 and compatible with up to 5050 size LED packages.
The position of LED and the positioning column meet the EU ZHAGA standard

Name		Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
SPORT-4-10	NEW	50X50	4	10	93
SPORT-4-A40N	COMING	50X50	4	Asymmetric	93
SPORT-4-A50N-A		50X50	4	Asymmetric	92
SPORT-4-A05N		50X50	4	Asymmetric	93
SPORT-4-A05M		50X50	4	Asymmetric	93
SPORT-4-A05W		50X50	4	Asymmetric	93
SPORT-4-A60N-A		50X50	4	Asymmetric	93
SPORT-4-A60N-B		50X50	4	Asymmetric	93
SPORT-4-A60W		50X50	4	Asymmetric	93

ARISTOTLE

ARISTOTLE-58

252x119mm ingress protected 58 lens arrays with a silicone gasket optimized for flat 5050 size LED packages.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
ARISTOTLE-58-30	252X119	58	30	93
ARISTOTLE-58-60	252X119	58	60	93

ARISTOTLE-336

360X172mm, IP66 with silicone gasket; 336 lens arrays for up to flat 3030 size LED package.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
ARISTOTLE-336-18	360X172	336	18	93
ARISTOTLE-336-25	360X172	336	25	93
ARISTOTLE-336-45	360X172	336	45	93
ARISTOTLE-336-60	360X172	336	60	93

ARISTOTLE-230

481X231mm, IP66 with silicone gasket; 230 lens arrays for up to flat 5050 size LED package.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
ARISTOTLE-230-20*	481X231	230	20	93
ARISTOTLE-230-30	481X231	230	30	93
ARISTOTLE-230-60	481X231	230	60	93

*FWHM: 15 degree based on OSRAM-P3737

HAWKING

520X116mm, IP66 with silicone gasket; 96 lens arrays for up to flat 5050 size LED package.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
HAWKING-96-20*	520X116	96	20	90
HAWKING-96-40	520X116	96	40	90
HAWKING-96-60	520X116	96	60	90
HAWKING-96-90	520X116	96	90	93
HAWKING-96-A50N-B	520X116	96	Asymmetric	93

*FWHM: 10 degree based on OSRAM-P3737



SPORT-4



ARISTOTLE-58



ARISTOTLE-336

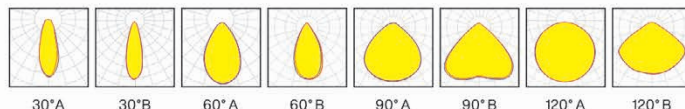


ARISTOTLE-230



HAWKING

UFO Light Lens



UFO H

UFO H SERIES is the versatile round lens series with open hole in the middle for sensor, free arrangement of LEDs and high efficiency.

UFO-D184-H56

Ø184 mm; 4 rings Convex lens structure and free arrangement of LEDs. With Open Hole (Ø56mm) in the middle for sensor. Up to 3030 size LED package

Name	Dimensions	Ring Qty	Typ.FWHM	Typ.Eff.
UFO-D184-4R-60A-H56	D184	4R	60	96
UFO-D184-4R-90A-H56	D184	4R	90	96
UFO-D184-4R-120B-H56	D184	4R	110	94

UFO-D226-H56

Ø226 mm; 6 rings Convex lens structure and free arrangement of LEDs. With Open Hole (Ø56mm) in the middle for sensor. Up to 3030 size LED package

Name	Dimensions	Ring Qty	Typ.FWHM	Typ.Eff.
UFO-D226-6R-60A-H56	D226	6R	60	96
UFO-D226-6R-90A-H56	D226	6R	90	96
UFO-D226-6R-120A-H56	D226	6R	110	96

UFO-D263-H70

Ø263 mm; 8 rings Convex lens structure and free arrangement of LEDs. With Open Hole (Ø70 mm) in the middle for sensor. Up to 3030 size LED package

Name	Dimensions	Ring Qty	Typ.FWHM	Typ.Eff.
UFO-D263-8R-90A-H70	D263	8R	85	93

UFO-D265-H56

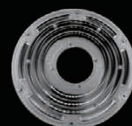
Ø265 mm; 8 rings Convex lens structure and free arrangement of LEDs. With Open Hole (Ø56 mm) in the middle for sensor. Up to 3030 size LED package

Name	Dimensions	Ring Qty	Typ.FWHM	Typ.Eff.
UFO-D265-8R-60A-H56	D265	8R	60	96
UFO-D265-8R-90A-H56	D265	8R	90	96
UFO-D265-8R-120B-H56	D265	8R	120	94

UFO-D293-H70

Ø293 mm; 8 rings Convex lens structure and free arrangement of LEDs. With Open Hole (Ø70 mm) in the middle for sensor. Up to 3030 size LED package

Name	Dimensions	Ring Qty	Typ.FWHM	Typ.Eff.
UFO-D293-9R-60A-H70	D293	9R	60	92
UFO-D293-9R-90A-H70	D293	9R	90	92
UFO-D293-9R-120A-H70	D293	9R	120	92



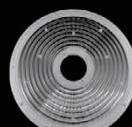
UFO-D184-H56



UFO-D226-H56



UFO-D263-H70



UFO-D265-H56



UFO-D293-H70

UFO Light Lens

UFO C

UFO C SERIES is the versatile round lens series with Confined space in the middle for sensor. The lamp beads can be arranged freely, and a high-efficiency UFO lens series.

UFO-D184-C26

Ø184 mm; 6 rings Convex lens structure and free arrangement of LEDs. With Confined Space (Ø26 mm) in the middle for sensor. Up to 3030 size LED package

Name	Dimensions	Ring Qty	Typ.FWHM	Typ.Eff.
UFO-D184-6R-60A-C26	D184	6R	60	96
UFO-D184-6R-90A-C26	D184	6R	90	96
UFO-D184-XX-120A-C26	D184	FLAT	120	94

UFO-D224-C30

Ø224 mm; 5 rings Convex lens structure and free arrangement of LEDs. With Confined Space (Ø30 mm) in the middle for sensor. Up to 3030 size LED package

Name	Dimensions	Ring Qty	Typ.FWHM	Typ.Eff.
UFO-D224-5R-60A-C30	D224	5R	60	90
UFO-D224-5R-90A-C30	NEW D224	5R	90	90
UFO-D224-XX-120A-C30	D224	FLAT	120	93

UFO-D226-C26

Ø226 mm; 7 rings Convex lens structure and free arrangement of LEDs. With Confined Space (Ø26 mm) in the middle for sensor. Up to 3030 size LED package

Name	Dimensions	Ring Qty	Typ.FWHM	Typ.Eff.
UFO-D226-7R-60A-C26	NEW D226	7R	60	96
UFO-D226-7R-90A-C26	D226	7R	90	96
UFO-D226-XX-120A-C26	NEW D226	FLAT	120	96

UFO-D263-C26

Ø263 mm; 11 rings Convex lens structure and free arrangement of LEDs. With Confined Space (Ø26 mm) in the middle for sensor. Up to 3030 size LED package

Name	Dimensions	Ring Qty	Typ.FWHM	Typ.Eff.
UFO-D263-11R-60A-C26	D263	11R	60	93
UFO-D263-11R-90A-C26	D263	11R	85	93

UFO-D263-C32

Ø263 mm; 6 rings Convex lens structure and free arrangement of LEDs. With Confined Space (Ø32 mm) in the middle for sensor. Up to 3030 size LED package

Name	Dimensions	Ring Qty	Typ.FWHM	Typ.Eff.
UFO-D263-6R-60A-C32	D263	6R	60	90

UFO-D265-C26

Ø265 mm; 8 rings Convex lens structure and free arrangement of LEDs. With Confined Space (Ø26 mm) in the middle for sensor. Up to 3030 size LED package

Name	Dimensions	Ring Qty	Typ.FWHM	Typ.Eff.
UFO-D265-8R-30A-C26	D265	8R	30	88
UFO-D265-8R-60A-C26	D265	8R	60	96
UFO-D265-8R-90A-C26	D265	8R	90	96
UFO-D265-XX-120A-C26	D265	FLAT	120	96

UFO-D265-C49

Ø265 mm; 8 rings Convex lens structure and free arrangement of LEDs. With Confined Space (Ø49 mm) in the middle for sensor. Up to 3030 size LED package

Name	Dimensions	Ring Qty	Typ.FWHM	Typ.Eff.
UFO-D265-8R-30A-C49	D265	8R	30	88
UFO-D265-8R-60A-C49	D265	8R	60	92
UFO-D265-8R-90A-C49	D265	8R	90	92
UFO-D265-XX-120A-C49	D265	FLAT	120	96



UFO-D224-C30



UFO-D226-C26



UFO-D263-C26



UFO-D265-C49

UFO Light Lens

UFO-D293-C26

Ø293 mm; 12 rings Convex lens structure and free arrangement of LEDs. With Confined Space (Ø26 mm) in the middle for sensor. Up to 3030 size LED package

Name	Dimensions	Ring Qty	Typ.FWHM	Typ.Eff.
UFO-D293-12R-60A-C26	D293	12R	60	92
UFO-D293-12R-90A-C26	D293	12R	90	92
UFO-D293-12R-120A-C26	D293	12R	120	92

UFO ZM

Adjustable (ZOOM) angle UFO lens series, free switch to 60°/90°/110°, up to 3030 size LED package

Name	Dimensions	Ring Qty	Typ.FWHM	Typ.Eff.
UFO-ZM-D182-9R-C40	D182	9R	60/90/110	90
UFO-ZM-D224-12R-C52	D224	12R	60/90/110	90
UFO-ZM-D262-15R-C52	D262	15R	60/90/110	90

UFO DOB

With a space in the middle large enough to house a DOB (Driver On Board) driver solutions. LED free layout, up to 3030 size LED package

Name	Dimensions	Ring Qty	Typ.FWHM	Typ.Eff.
UFO-DOB-D184-3R-90A-C76	D184	3R	90	94
UFO-DOB-D226-4R-90A-C96	D226	4R	90	94
UFO-DOB-D265-5R-90A-C109	D265	5R	90	94

UFO CE

Update UFO version, Cost optimize high optical efficiency with the convex lens structure and more circles free arrangement of lamp beads. With Confined space in the middle sensor.

UFO-CE-D164-C24

7 rings Convex lens structure and free arrangement of LEDs. With Confined Space (Ø24 mm) in the middle for sensor. Up to 3030 size LED package

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
UFO-CE-D164-7R-60A-C24	D164	7	60	90
UFO-CE-D164-7R-90A-C24	D164	7	90	90

UFO-CE-D184-C24

9 rings Convex lens structure and free arrangement of LEDs. With Confined Space (Ø24 mm) in the middle for sensor. Up to 3030 size LED package

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
UFO-CE-D184-9R-60A-C24	D184	9	60	90
UFO-CE-D184-9R-90A-C24	D184	9	90	90

UFO-CE-D226-C26

11 rings Convex lens structure and free arrangement of LEDs. With Confined Space (Ø26 mm) in the middle for sensor. Up to 3030 size LED package

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
UFO-CE-D226-11R-60A-C26	D226	11	60	90
UFO-CE-D226-11R-90A-C26	D226	11	90	90

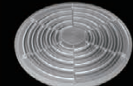
UFO-CE-D265-C26

14 rings Convex lens structure and free arrangement of LEDs. With Confined Space (Ø26 mm) in the middle for sensor. Up to 3030 size LED package

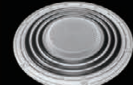
Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
UFO-CE-D265-14R-60A-C26	D265	14	60	90
UFO-CE-D265-14R-90A-C26	D265	14	90	90



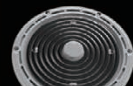
UFO-D293-C26



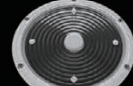
UFO ZM



UFO DOB



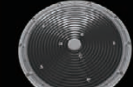
UFO-CE-D164-C24



UFO-CE-D184-C24



UFO-CE-D226-C26



UFO-CE-D265-C26

UFO Light Lens

UFO N

UFO N SERIES is the most popular UFO lens series with many individual convex-optics, delivers low UGR.

UFO-D183-120

Ø183 mm; 120 pcs LED Domes array for industrial lighting, up to 3030 size LED package

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
UFO-D183-120-60B-C17	D183	120	60	90
UFO-D183-120-90B-C17	D183	120	90	90
UFO-D183-XX-120A-C17	D183	FREE	FLAT	90

UFO-D233-226

Ø233 mm; 226 pcs LED Domes array for industrial lighting, up to 3030 size LED package

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
UFO-D233-226-60B-C17	D233	226	60	90
UFO-D233-226-90B-C17	D233	226	90	90
UFO-D233-XX-120A-C17	D233	FREE	FLAT	90

UFO-D263-254

Ø263 mm; 254 pcs LED Domes array for industrial lighting, up to 3030 size LED package

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
UFO-D263-254-60B-C20	D263	254	60	90
UFO-D263-254-90B-C20	D263	254	90	90
UFO-D263-XX-120A-C20	D263	FREE	FLAT	90

UFO-D293-218

Ø293 mm; 218 pcs LED Domes array for industrial lighting, up to 5050 size LED package

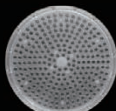
Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
UFO-D293-218-30B-C45	D293	218	30	92



UFO-D183-120



UFO-D233-226



UFO-D263-254



UFO-D293-218

Architecture Lighting

HOOK

Narrow beam angel for spot light and project light

HOOK

Φ35 mm single lens, Narrow beam angle with position pin, Ø37 mm with holder, holder is optional, optimized for CREE XP-E.

Name	D	H	Typ.FWHM	Typ.Eff.
HOOK-4	D37	18.75	4	93

HOOK-D52

Narrow beam angle, Optimized for CREE XPE 3535 and compatible with 3030 size LED package.

Name	D	H	Typ.FWHM	Typ.Eff.
HOOK-D52-5	D52.5	27.4	5	93

HOOK-66

Narrow beam angle, optimized for LUMISEE L35W-11C2S and compatible with 3535 size LED package. For spot light and project light.

Name	D	H	Typ.FWHM	Typ.Eff.
HOOK-66-16	66X66	40.5	16	89

HOOK-BIO

Φ36.5*45.1mm lens with holder, extreme narrow beam angle, Bio lens assembly, optimized for CREE XP-E.

Name	D	H	Typ.FWHM	Typ.Eff.
HOOK-BIO-3	D36.8	46.4	3	45

RGBW

RGBW-D31

Ø31 mm TIR-lenses optimized for RGBW colour mixing applications, optimize for Dome 3535 size RGBW LED package.

Name	D	H	Typ.FWHM	Typ.Eff.
RGBW-D31-8	D31	16.2	8	93

RGBW-D37

Ø37 mm TIR-lenses optimized for RGBW colour mixing applications, design base on Dome 5050 size RGBW LED packages, compatible with Dome 3535 and 3030 size LED package.

Name	D	H	Typ.FWHM	Typ.Eff.
RGBW-D37-15	D37	20.3	15	93
RGBW-D37-25	D37	20.3	25	93
RGBW-D37-40	D37	20.3	40	93
RGBW-D37-50	D37	20.3	50	93
RGBW-D37-20X30	D37	20.3	20X30	93

RGBW-D45

Ø45 mm TIR-lenses for RGBW colour mixing applications and up to 5050 size RGB LED packages

Name	D	H	Typ.FWHM	Typ.Eff.
RGBW-D45-10	D45	26.2	10	90
RGBW-D45-15	D45	27.2	15	90
RGBW-D45-24	D45	27.2	24	90

RGBW-ECO

Cost Economy, Ø22 mm lens with seal protection function for outdoor lighting, optimized for CL06A.

Name	D	H	Typ.FWHM	Typ.Eff.
RGBW-ECO-D22-30	D22	12.4	30	93
RGBW-ECO-D22-40	D22	12.4	40	93
RGBW-ECO-D22-30X35	D22	12.7	30X35	93



HOOK



HOOK-D52



HOOK-66



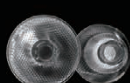
HOOK-BIO



RGBW-D31



RGBW-D37



RGBW-D45



RGBW-ECO

Architecture Lighting

HEISENBERG

Ø10 mm TIR-lenses optimized for 3535 Mid-Power or High-Power LED packages, assembled with holder.

Name	D	H	Typ.FWHM	Typ.Eff.
HEISENBERG-15	D10	7.4	15	93
HEISENBERG-24	D10	7.4	24	93
HEISENBERG-36	D10	7.7	36	93
HEISENBERG-25X40	D10	7.7	25X40	93



EINSTEIN

EINSTEIN

Ø12 mm lens optimized for 3535 LED package, compatible with up to 5050 size LED packages. With holder or without holder is optional.

Name	D	H	Typ.FWHM	Typ.Eff.
EINSTEIN-15	D13.2	7.35	15	93
EINSTEIN-20	D13.2	7.35	20	93
EINSTEIN-35	D13.2	7.35	35	93
EINSTEIN-40	D13.2	7.35	40	93
EINSTEIN-75	D13.2	7.35	75	93
EINSTEIN-85	D13.2	7.35	85	93



EINSTEIN-6

Assembly 6 EINSTEIN single lens with holder and shade, size 107.6x18.5mm. Both white / black holder and shade is available. optimized for 3535 LED package, compatible with up to 5050 size LED packages.

Name	Dimensions	H	Typ.FWHM	Typ.Eff.
EINSTEIN-6-15	107.6X18.5	18.1	15	93
EINSTEIN-6-20	107.6X18.5	18.1	20	93
EINSTEIN-6-35	107.6X18.5	18.1	35	93
EINSTEIN-6-40	107.6X18.5	18.1	40	93
EINSTEIN-6-75	107.6X18.5	18.1	75	93
EINSTEIN-6-85	107.6X18.5	18.1	85	93

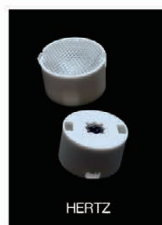


HERTZ

HERTZ

Ø15.2mm Assembled with holder and Ø13.5mm TIR-lenses. Optimized for 3535 medium or high power LED package, compatible with 5050, 3030 medium and high power LED package. Black or White holder optional, Tape optional.

Name	D	H	Typ.FWHM	Typ.Eff.
HERTZ-13	D15.2	9	13	93
HERTZ-18	D15.2	9	18	93
HERTZ-25	D15.2	9	25	93
HERTZ-70	D15.2	9	70	93
HERTZ-16X35	D15.2	9	16X35	93
HERTZ-16X55	D15.2	9	16X55	93



HERTZ_5050

Ø15.3mm Assembled with holder and Ø13.5mm TIR-lenses. Optimized for 5050 medium or high power LED package, compatible with Batwing high power LED package.

Name	D	H	Typ.FWHM	Typ.Eff.
HERTZ-30_5050	D15.3	13.3	30	93
HERTZ-35_5050	D15.3	13.3	35	90
HERTZ-40_5050	D15.3	13.3	40	75
HERTZ-50_5050	D15.3	13.3	50	90
HERTZ-55_5050	D15.3	13.3	55	90



Architecture Lighting

SNELL

Ø16.1mm TIR-lenses assembled with holder. Optimized for CREE XP-G3, compatible with up to 5050 size LED packages, 3535 LED holder & 5050 LED holder is available.

Name		D	H	Typ.FWHM	Typ.Eff.
SNELL-15	NEW	D16.1	10	15	80
SNELL-25	NEW	D16.1	10	25	82
SNELL-36	NEW	D16.1	10	36	85
SNELL-55	NEW	D16.1	10	55	80
SNELL-20X60	NEW	D16.1	10	20X60	80

BORN

Ø212 mm TIR-lenses with holder, design for 3535 LED. Compatible with up to 5050 size LED packages.

Name	D	H	Typ.FWHM	Typ.Eff.
BORN-10	D212	12.4	10	90
BORN-15	D212	12.4	15	90
BORN-25	D212	12.4	25	90
BORN-30	D212	12.4	30	90
BORN-55	D212	12.4	55	90
BORN-35X10	D212	12.4	35X10	90

HILBERT

HILBERT

Ø22mm TIR-lenses up to 3535 size LED packages, assembled with holder

Name	D	H	Typ.FWHM	Typ.Eff.
HILBERT-25	D22	14.5	25	91

HILBERT-G2

Ø22mm TIR-lenses assembled with holder. Optimized for CREE XP-G3, compatible with up to 5050 size LED packages, 3535 LED holder & 5050 LED holder is available

Name		D	H	Typ.FWHM	Typ.Eff.
HILBERT-15_G2	NEW	D22	14.8	15	80
HILBERT-25_G2	NEW	D22	14.8	25	78
HILBERT-36_G2	NEW	D22	14.8	36	80
HILBERT-55_G2	NEW	D22	14.8	55	80
HILBERT-15X45_G2	NEW	D22	14.8	15X45	80

DARWIN

DARWIN

Ø23.2 mm TIR-lenses design base on middle power 3535 size LED package. Assembly with holder

Name	D	H	Typ.FWHM	Typ.Eff.
DARWIN-7	D23.2	13.3	7	93
DARWIN-8	D23.2	12.32	8	93
DARWIN-10	D23.2	12.32	10	93
DARWIN-12	D23.2	12.32	12	93
DARWIN-17	D23.2	12.32	17	93
DARWIN-25	D23.2	12.32	25	93
DARWIN-40	D23.2	12.32	40	93
DARWIN-60	D23.2	12.42	60	93
DARWIN-10X20	D23.2	12.2	10X20	93
DARWIN-12X45	D23.2	12.32	12X45	93
DARWIN-15X55	D23.2	12.32	15X55	93



Architecture Lighting

DARWIN-16

Assembly 16 Darwin single lens (4X4) arrays with 110.7 x110.7 mm holder. Available white and black holder.

Name	Dimensions	H	Typ.FWHM	Typ.Eff.
DARWIN-16-7	110.7X110.7	18.2	7	93
DARWIN-16-8	110.7X110.7	18.2	8	93
DARWIN-16-10	110.7X110.7	18.2	10	93
DARWIN-16-12	110.7X110.7	18.2	12	93
DARWIN-16-17	110.7X110.7	18.2	17	93
DARWIN-16-25	110.7X110.7	18.2	25	93
DARWIN-16-40	110.7X110.7	18.2	40	93
DARWIN-16-60	110.7X110.7	18.2	60	93
DARWIN-16-10X20	110.7X110.7	18.2	10X20	93
DARWIN-16-12X45	110.7X110.7	18.2	12X45	93
DARWIN-16-15X55	110.7X110.7	18.2	15X55	93



NOBEL

Ø28.9 mm single lens, Ø31 mm with holder. Designed based on CREE XPE 3535 LED, compatible with 3030 and CREE JF5050 and Batwing package by different holder.

Name	D	H	Typ.FWHM	Typ.Eff.
NOBEL-6	D31	17.1	6	93
NOBEL-9	D31	17.1	9	93
NOBEL-19	D31	17.1	19	93
NOBEL-25	D31	17.1	25	93
NOBEL-8X35	D31	17.1	8X35	93
NOBEL-9X20	D31	17.1	9X20	93
NOBEL-12X30	D31	17.1	12X30	93



AMPERE

AMPERE

Ø37 mm TIR-lenses with holder, optimize for XPE 3535 size LED package, compatible with up to 5050 size LED packages.

Name	D	H	Typ.FWHM	Typ.Eff.
AMPERE-5	D37	18.75	5	93
AMPERE-7	D37	18.75	7	93
AMPERE-9	D37	18.75	9	93
AMPERE-12	D37	18.75	12	93
AMPERE-24	D37	18.75	24	93
AMPERE-36	D37	18.75	36	93
AMPERE-45	D37	18.75	45	93
AMPERE-10X30	D37	18.75	10X30	93



AMPERE-9

Assembly with 9 pcs (3X3 arrays) Ampere single lenses with 110.7 x110.7 mm holder.

Name	Dimensions	H	Typ.FWHM	Typ.Eff.
AMPERE-9-4	110.7X110.7	18.7	4	93
AMPERE-9-5	110.7X110.7	18.7	5	93
AMPERE-9-7	110.7X110.7	18.7	7	93
AMPERE-9-9	110.7X110.7	18.7	9	93
AMPERE-9-12	110.7X110.7	18.7	12	93
AMPERE-9-24	110.7X110.7	18.7	24	93
AMPERE-9-36	110.7X110.7	18.7	36	93
AMPERE-9-45	110.7X110.7	18.7	45	93
AMPERE-9-10X30	110.7X110.7	18.7	10X30	93

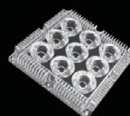


Architecture Lighting

AMPERE-IP-9

136X136mm, 3X3 Lens array modular solutions for wall washing light, optimized for 3535 medium or high power LED packages, with silicone gasket with Ip68

Name	Dimensions	H	Typ.FWHM	Typ.Eff.
AMPERE-IP-9-7	136X136	26.5	7	93

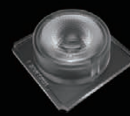


AMPERE-IP-9

DOPPLER

Silicone lenses designed for sports field, area lighting, 35 x 35 mm single silicone lenses, optimized for LUMILEDS LXRI7-RW50

Name	Dimensions	H	Typ.FWHM	Typ.Eff.
DOPPLER-60	35X35	14	60	93



DOPPLER

KELLY

KELLY series lens, wide horizontal beam, suitable for emergency, vehicle warning lighting, corridor and wall washing light.

Name	Dimensions	H	Typ.FWHM	Typ.Eff.
KELLY-100X15	29X23	13.4	100X15	97



KELLY

BOHR

BOHR series lens enables to illuminate Windows and Doors. Optimized for 3535 size LED packages.

Name	Dimensions	H	Typ.FWHM	Typ.Eff.
BOHR-55X44-XX-8X100	55X44	27.5	8X100	93
BOHR-55X44-XX-40X120	55X44	27.5	40X120	93
BOHR-D68-XX-120	D68	14	120	93



BOHR

LONGPING

LONGPING-G1

Optimized for 3030 packages, compatible with 3535 Mid-Power or High-Power LED packages, wall washing light. With position PIN and glue fastening.

Name		D	H	Typ.FWHM	Typ.Eff.
LONGPING-11_G1	NEW	D14.9	7	11	93
LONGPING-15_G1	NEW	D14.9	7	15	93
LONGPING-20_G1		D14.9	7	20	93
LONGPING-25_G1	NEW	D14.9	7	25	93
LONGPING-30_G1		D14.9	7	30	93
LONGPING-35_G1		D14.9	7	35	93
LONGPING-30X35_G1	NEW	D14.9	7	30X35	93
LONGPING-30X45_G1		D14.9	7	30X45	93



LONGPING-G1

LONGPING-G2

Both version design on 3030 compatible with 3535 Mid-Power or High-Power and design for flat 5050 size LED packages, wall washing light. Clip fastening.

Name		D	H	Typ.FWHM	Typ.Eff.
LONGPING-30_G2_3030		D14.9	10.4	30	93
LONGPING-30X40_G2_3030		D14.9	10.4	30X40	93
LONGPING-30_G2		D14.9	10.4	30	93
LONGPING-35X45_G2		D14.9	10.4	35X45	93



LONGPING-G2

Architecture Lighting

EDISON

Ø22 mm lens with integrated holder for wall washing light, optimized for middle power 3535 size LED package, compatible with 3030 size LED package.

Name	D	H	Typ.FWHM	Typ.Eff.
EDISON-12	D22	13.2	12	93
EDISON-20	D22	13.2	20	93
EDISON-30	D22	13.2	30	93
EDISON-50	D22	13.2	50	93
EDISON-60	D22	13.2	60	93
EDISON-20X30	D22	13.2	20X30	93
EDISON-15X35	D22	13.2	15X35	93
EDISON-20X40	D22	12.85	20X40	93
EDISON-25X40	D22	12.6	25X40	93

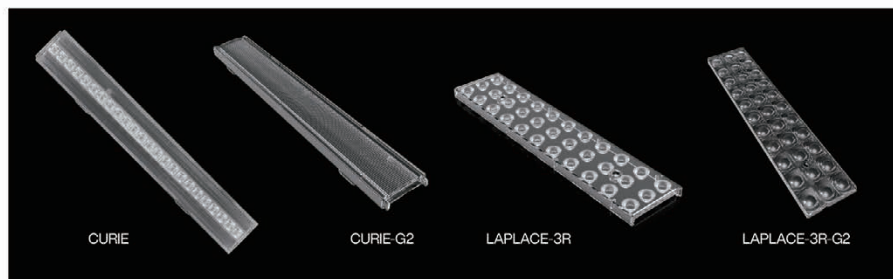
KIRCHHOFF

16*16mm lens, easily seal protection function for outdoor lighting to reach IP68 by potting glue. The economical version of the HERTZ series. Optimized for CREE XP-E, compatible with 3030 size LED packages.

Name	D	H	Typ.FWHM	Typ.Eff.
KIRCHHOFF-12	16X16	9.2	12	85
KIRCHHOFF-20	16X16	9.2	20	85
KIRCHHOFF-35	16X16	9.2	35	85
KIRCHHOFF-40	16X16	10.15	40	85
KIRCHHOFF-60	16X16	10.15	60	85
KIRCHHOFF-15X30	16X16	9.2	15X30	85
KIRCHHOFF-15X55	16X16	9.2	15X55	85



Linear Lenses



CURIE

CURIE

280×43mm linear lens, optimized for 3030 size LED package. Compatible with 2835 LED package. Fit for 24mm wide ZHAGA PCB

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
CURIE-24-60	280X43	24	60	90
CURIE-24-90B	280X43	24	90	89
CURIE-24-30X70	280X43	24	30X70	89
CURIE-XX-60X90	280X43	XX	60X90	90

CURIE-G2

280×40mm linear lens, free arrangement of LEDs, optimized for 3030 size LED package. Compatible with 2835 LED package. Fit for 24mm wide ZHAGA PCB

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
CURIE-XX-60_G2	280X40	XX	60	86
CURIE-XX-90A_G2	280X40	XX	90	86
CURIE-XX-DA25_G2	280X40	XX	DA25	86

LAPLACE-3R

LAPLACE-3R

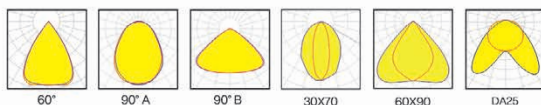
285×62mm 3-row (3×1) linear lenses, TIR optics design base on 2835 size LED package. Compatible with 2835 LED package. Fit for ZHAGA 3 rows PCB.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
LAPLACE-3R-33-60	285X62	33	60	96
LAPLACE-3R-33-90A	285X62	33	90	94

LAPLACE-3R-G2

285×62mm 3-row (3×1) linear lenses, Fresnel optics design base on 2835 size LED package. Compatible with 2835 LED package. Fit for ZHAGA 3 rows PCB.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
LAPLACE-3R-33-60_G2	286X61	33	60	92.5
LAPLACE-3R-33-90B_G2	286X61	33	90	92.5



Linear Lenses

THOMSON

THOMSON is a perfect solution with a seamless glare eliminating shade and highly efficient lenses, optimized for 4*3030/4*2835 size LED packages.

THOMSON-3

120*40mm linear solution with shade-t3.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
THOMSON-3-60	120X40	3	60	92
THOMSON-3-70	120X40	3	70	93
THOMSON-3-80	120X40	3	80	83
THOMSON-3-50X70	120X40	3	50X70	87

THOMSON-4

160*40mm linear solution with shade-t4.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
THOMSON-4-30	160X40	4	30	88
THOMSON-4-60	160X40	4	60	83
THOMSON-4-80	160X40	4	80	83
THOMSON-4-50X70	160X40	4	50X70	73

THOMSON-7

280*40mm linear solution with shade-t7.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
THOMSON-7-30	280X40	7	30	88
THOMSON-7-60	280X40	7	60	83
THOMSON-7-80	280X40	7	80	83
THOMSON-7-50X70	280X40	7	50X70	73

DAVY

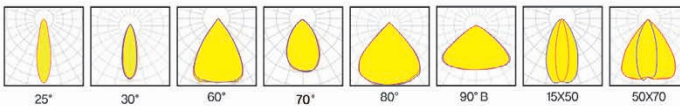
280*15mm linear lens, optimized for SMD2835/3030 LED package

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
DAVY-24-30	280X15.6	24	30	90
DAVY-24-90B	280X15.4	24	90	90

AVOGADRO

280*10mm linear lens, optimized for SMD2835/3030 LED package

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
AVOGADRO-28-25	280X9.6	28	25	90
AVOGADRO-28-15X50	280X9.6	28	15X50	90



THOMSON-3



THOMSON-4



THOMSON-7



DAVY



AVOGADRO

Extrusion Linear Lens

The most versatile modular product family especially designed for the application of office, warehouse, retail general lighting, shelf lighting and wall washing



Good covering effect
Customized length
Complete angle
High efficiency

OERSTED

OERSTED is a linear extrusion lenses family. The optics are made of diffused PMMA for high optical efficiency with good LED source hiding power. OERSTED can be customized for luminaires for different lengths

OERSTED-26

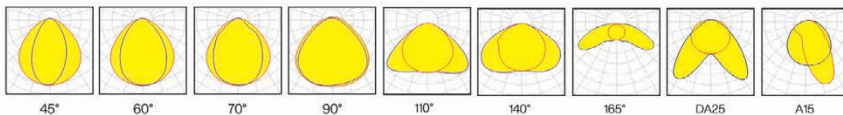
Width: 26mm, fit 24mm ZHAGA PCB, length customized, design for 3030 size LED package, compatible with 2835 size LED package.

Name	Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
OERSTED-26-45	26X1140	XX	45X90	91
OERSTED-26-60	26X1140	XX	60X90	90
OERSTED-26-70	26X1140	XX	70X90	92
OERSTED-26-90	26X1140	XX	90X90	88
OERSTED-26-110	26X1140	XX	110X90	88
OERSTED-26-140	26X1140	XX	140X90	84
OERSTED-26-165	26X1140	XX	165X130	90
OERSTED-26-DA25	26X1140	XX	Asymmetric	89
OERSTED-26-A15	26X1140	XX	Asymmetric	85

OERSTED-40

Width: 40mm, fit 24mm ZHAGA PCB, length customized, design for 3030 size LED package, compatible with 2835 size LED package.

Name		Dimensions	Led Qty	Typ.FWHM	Typ.Eff.
OERSTED-40-45	COMING	40X1140	XX	45X90	91
OERSTED-40-60	NEW	40X1140	XX	60X90	90
OERSTED-40-70	COMING	40X1140	XX	70X90	92
OERSTED-40-90	NEW	40X1140	XX	90X90	88
OERSTED-40-110	COMING	40X1140	XX	110X90	88
OERSTED-40-140	COMING	40X1140	XX	140X90	84
OERSTED-40-165	COMING	40X1140	XX	165X130	90
OERSTED-40-DA25	COMING	40X1140	XX	Asymmetric	89
OERSTED-40-A15	COMING	40X1140	XX	Asymmetric	85



Commercial Lighting

YOUYOU-G2

Optimizing the uniform light for multi-function down lighting.

YOUYOU-D28-G2

Ø28mm with holder, optimized for 4/6 mm LES size COB, with base

Name	D	H	Typ.FWHM	Typ.Eff.
YOUYOU-D28-12_G2	D28	16.1	12	80
YOUYOU-D28-24_G2	D28	16.1	24	80
YOUYOU-D28-36_G2	D28	16.1	36	80
YOUYOU-D28-50_G2	D28	16.1	50	80

YOUYOU-D35-G2

Ø35mm with holder, optimized for 4/6 mm LES size COB, with base

Name	D	H	Typ.FWHM	Typ.Eff.
YOUYOU-D35-15_G2	D35	19.7	15	90
YOUYOU-D35-24_G2	D35	19.7	24	90
YOUYOU-D35-36_G2	D35	19.7	36	90
YOUYOU-D35-50_G2	D35	19.7	50	90

YOUYOU-D45-G2

Ø45mm with holder, optimized for 6/9mm LES size COB, with base

Name	D	H	Typ.FWHM	Typ.Eff.
YOUYOU-D45-12_G2	D45	25.4	12	80
YOUYOU-D45-24_G2	D45	25.4	24	80
YOUYOU-D45-36_G2	D45	25.4	36	80
YOUYOU-D45-50_G2	D45	25.4	50	80

YOUYOU-D62-G2

Ø62mm with holder, optimized for 9/11mm LES size COB, with base

Name	D	H	Typ.FWHM	Typ.Eff.
YOUYOU-D62-12_G2	D62	30	12	80
YOUYOU-D62-24_G2	D62	30	24	90
YOUYOU-D62-36_G2	D62	30	36	90



YOUYOU-D28-G2



YOUYOU-D35-G2



YOUYOU-D45-G2



YOUYOU-D62-G2

DALTON

Deep concave surface structure to achieve the ultimate anti-glare effect, mainly optimized for high requirement of anti-glare scene of track lighting, ceiling lighting, spot lighting, outdoor flood lighting etc.

DALTON-D22

Ø22mm with holder, compatible for up to 6mm LES size COBs

Name	D	H	Typ.FWHM	Typ.Eff.
DALTON-D22-15	D22	15.1	15	76
DALTON-D22-24	D22	15.1	24	77
DALTON-D22-36	D22	15.1	36	78
DALTON-D22-50	D22	15.1	50	82

DALTON-D28

Ø28mm with holder, compatible for up to 6mm LES size COBs

Name	D	H	Typ.FWHM	Typ.Eff.
DALTON-D28-15	NEW D28	19.1	15	78
DALTON-D28-24	NEW D28	19.1	24	87
DALTON-D28-36	NEW D28	19.1	36	89
DALTON-D28-50	NEW D28	19.1	50	89



DALTON-D22



DALTON-D28

Commercial Lighting

DALTON-D35

Ø35mm with holder, optimized for 6mm LES size COB

Name	D	H	Typ.FWHM	Typ.Eff.
DALTON-D35-15	D35	23.6	15	90
DALTON-D35-24	D35	23.6	24	90
DALTON-D35-36	D35	23.6	36	90
DALTON-D35-50	D35	23.6	50	90



DALTON-D35

DALTON-D45

Ø45mm with holder, compatible for 9mm LES size COB

Name	D	H	Typ.FWHM	Typ.Eff.
DALTON-D45-15	D45	29.3	15	88
DALTON-D45-24	D45	29.3	24	92
DALTON-D45-36	D45	29.3	36	91
DALTON-D45-50	D45	29.3	50	90

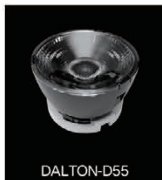


DALTON-D45

DALTON-D55

Ø55mm with holder, compatible for 9mm LES size COB

Name		D	H	Typ.FWHM	Typ.Eff.
DALTON-D55-15	NEW	D55	35.6	15	89
DALTON-D55-24	NEW	D55	35.6	24	89
DALTON-D55-36	NEW	D55	35.6	36	89
DALTON-D55-50	NEW	D55	35.6	50	88



DALTON-D55

DALTON-D62

Ø62mm with holder, compatible for 12mm LES size COB

Name		D	H	Typ.FWHM	Typ.Eff.
DALTON-D62-15		D62	40	15	90
DALTON-D62-24		D62	40	24	90
DALTON-D62-36		D62	40	36	90
DALTON-D62-50		D62	40	50	90



DALTON-D62

DALTON-D75

Ø75mm with holder, optimized for 14.5mm LES size COBs

Name		D	H	Typ.FWHM	Typ.Eff.
DALTON-D75-15	NEW	D75	48.5	15	87
DALTON-D75-24	NEW	D75	48.5	24	90
DALTON-D75-36	NEW	D75	48.5	36	90
DALTON-D75-50	NEW	D75	48.5	50	89



DALTON-D75

Commercial Lighting

HUBBLE

Cutoff light COB Lens for track lighting.

HUBBLE-D43

Ø43mm with white base, optimized for 6/9 mm LES size COB

Name		D	H	Typ.FWHM	Typ.Eff.
HUBBLE-D43-12	NEW	D43	20.6	12	90
HUBBLE-D43-24	NEW	D43	20.6	24	90
HUBBLE-D43-36	NEW	D43	20.6	36	90
HUBBLE-D43-50	NEW	D43	20.6	50	90

HUBBLE-D69

Ø69mm with white base, optimized for 9/11 mm LES size COB

Name		D	H	Typ.FWHM	Typ.Eff.
HUBBLE-D68.9-12		D68.9	31.5	12	92
HUBBLE-D68.9-24		D68.9	31.5	24	92
HUBBLE-D68.9-36		D68.9	31.5	36	92
HUBBLE-D68.9-50		D68.9	31.5	50	92

HUBBLE-D75

Ø75mm with white base, optimized for 9/11 mm LES size COB

Name		D	H	Typ.FWHM	Typ.Eff.
HUBBLE-D75-10	NEW	D75	34.3	10	90
HUBBLE-D75-24	NEW	D75	35.4	24	90
HUBBLE-D75-36	NEW	D75	34.3	36	90

LENZ

Ø50mm thin COB lens, feature for convenient MR 16 size and ZHAGA light module, suitable for traditional MR16 luminaire update optics for downlights and compact track lights, up to 21 mm LES size COBs

Name		D	H	Typ.FWHM	Typ.Eff.
LENZ-20	COMING	D50	19.3	20	92
LENZ-36	NEW	D50	19.3	36	88
LENZ-50	COMING	D50	19.3	50	92
LENZ-65	COMING	D50	19.3	65	92
LENZ-60X20	COMING	D50	19.3	60X20	92

VOLTA

Economic solution Thinner COB lens, optimized for compact lighting(thinner track lighting & down lighting).

VOLTA-D70

Ø70mm, optimized for 14.5mm LES size COB

Name		D	H	Typ.FWHM	Typ.Eff.
VOLTA-D70-13	COMING	D70	11.8	13	90
VOLTA-D70-18	COMING	D70	12.8	18	90
VOLTA-D70-24	COMING	D70	12.8	24	90
VOLTA-D70-36	COMING	D70	12.8	36	90
VOLTA-D70-60	COMING	D70	12.8	60	90
VOLTA-D70-25X60	COMING	D70	12.8	25X60	90
VOLTA-D70-Asy	COMING	D70	11.8	Asymmetric	90



HUBBLE-D43



HUBBLE-D69



HUBBLE-D75



LENZ



VOLTA

LED Backlight & TV Lens

KEPLER

Optimized for back light lens of panel lighting, ceiling lighting, advertising light box, made by PMMA.

Name		D	OD	LED spacing	Led	Typ.Eff.
KEPLER-D11.5	NEW	D11.5	20-30	Px80, Py90	LUXEON 3030 SQUARE	90
KEPLER-D11.5		D11.5	20-30	Px80, Py90	SAMSUNG 2835	93
KEPLER-D13.5	NEW	D13.5	20-30	Px80, Py90	LUXEON 3030 SQUARE	90
KEPLER-D13.5		D13.5	20-30	Px80, Py90	SAMSUNG 2835	93

KEPLER-T

TV Backlight (Refraction type)

Name		D	OD	LED spacing	Led	Typ.Eff.
KEPLER-T-D16	NEW	D15.8	35	Px105, Py155	LUXEON 3030 SQUARE	90
KEPLER-T-D16	NEW	D16	35	Px94, Py155	LUXEON 3030 SQUARE	90

KEPLER-F

TV Backlight (Reflection type)

Name		D	OD	LED spacing	Led	Typ.Eff.
KEPLER-F-D17	NEW	D17	18/22	Px145, Py145	LUXEON 3030 SQUARE	90



KEPLER



KEPLER-T



KEPLER-F

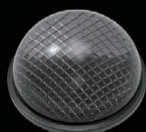
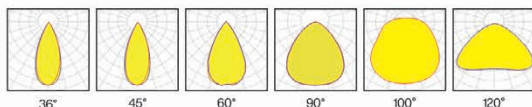
Glass Light Lens

LIPPMANN

LIPPMANN-D78

Single glass lenses, Ø78 mm round lens optimized for 20mm LES size COB

Name		Dimensions	Height	Typ.FWHM	Led	Typ.Eff.
LIPPMANN-D78-36	NEW	D78	44.6	36	SAMSUNG LC080D	91
LIPPMANN-D78-45		D78	43.7	45	SAMSUNG LC080D	91
LIPPMANN-D78-60		D78	40	60	SAMSUNG LC080D	91
LIPPMANN-D78-90		D78	35	90	SAMSUNG LC080D	91
LIPPMANN-D78-100		D78	26.4	100	SAMSUNG LC080D	91
LIPPMANN-D78-120		D78	26.4	120	SAMSUNG LC080D	91

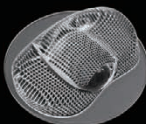
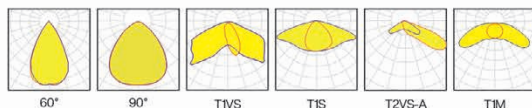


LIPPMANN-D78

LIPPMANN-D92

Single glass lenses, Ø92 mm round lens optimized for 20mm LES size COB

Name		Dimensions	Height	Typ.FWHM	Led	Typ.Eff.
LIPPMANN-D92-60	COMING	D92	312	60	SAMSUNG LC080D	91
LIPPMANN-D92-90	COMING	D92	312	90	SAMSUNG LC080D	91
LIPPMANN-D92-T1VS		D92	312	Asymmetric	SAMSUNG LC080D	91
LIPPMANN-D92-T1S		D92	312	Asymmetric	SAMSUNG LC080D	91
LIPPMANN-D92-T2VS		D92	34	Asymmetric	SAMSUNG LC080D	91
LIPPMANN-D92-T1M		D92	312	Asymmetric	SAMSUNG LC080D	91



LIPPMANN-D92

Glass Light Lens

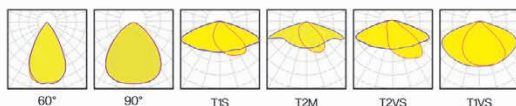


ZEEMAN

ZEEMAN-10

143 x 82mm 10 arrays optimized for SMD 7070 size LED packages.

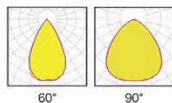
Name		Dimensions	Height	Typ.FWHM	Led	Typ.Eff.
ZEEMAN-10-60	COMING	143X82	10	60	SMD7070 SQUARE	95
ZEEMAN-10-90	COMING	143X82	10	90	SMD7070 SQUARE	95
ZEEMAN-10-TIS		143X82	10	Asymmetric	SMD7070 SQUARE	95
ZEEMAN-10-T2M		143X82	10	Asymmetric	SMD7070 SQUARE	95
ZEEMAN-10-T2VS		143X82	10	Asymmetric	SMD7070 SQUARE	95
ZEEMAN-10-T1VS		143X82	10	Asymmetric	SMD7070 SQUARE	95



ZEEMAN-12

143 x 82mm 12 arrays optimized for SMD 7070 size LED packages

Name		Dimensions	Height	Typ.FWHM	Led	Typ.Eff.
ZEEMAN-12-60		143X82	12	60	SMD7070 SQUARE	95
ZEEMAN-12-90		143X82	12	90	SMD7070 SQUARE	95



Why Sunlumin

Pre-sale Technical Support & After-sales Service



On field technical support

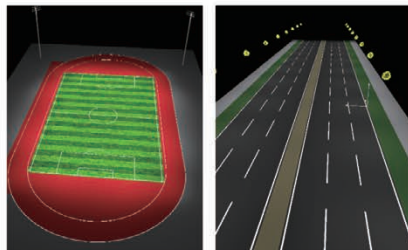


24 hours technical and after-sales service assistance from China HQ customer service department

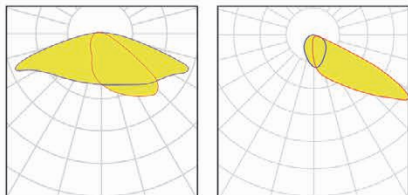
R&D ability

- 1 Rich experience in optical design of street lights for Brazil(INMETRO), India (NHA), Russia, Australia, Europe, Turkey
- 2 RGBW ultra-uniform combining optical design
- 3 Expertise in professional sport light projects
- 4 Ultra-small angle optical design high accuracy
- 5 Base on housing or heat sink, we can provide lens mechanical design and offer lens 3D files
- 6 We offer service for verifying lighting solutions particular to DIALUX / AGI32

Road light distribution simulation



Light distribution curve



Quality Assurance

- 1 Lens protection grade test
- 2 Accuracy photoelectric parameters test
- 3 Lens reliability testing
- 4 SGS ISO9001:2008; Quality assurance service up to 5-10 years

Delivery Assurance

- 1 Available local production in main market
- 2 Swift and precise delivery control
- 3 Accessible local stock in main market

- ◆ Optic Design
- ◆ Lighting Simulation
- ◆ Mechanical Design



SunLumin

Your Optical
Solution Partner

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