



NCTUS 101

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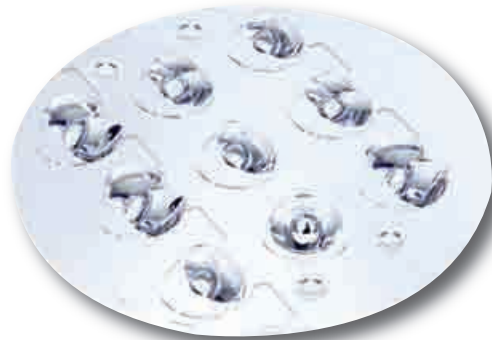
NACTUS FREE FORM

NACTUS FREE FORM can be considered the most advanced evolution of NACTUS. It is realized only on request. Any shape, any lighting pattern, any configuration can be realized thanks to its specific optical design that makes NACTUS special and unique. The core optics forming NACTUS are basically 6. Based on Khatod cutting-edge technologies in optical and

mechanical engineering, the optics can be combined and set in any configuration making possible to realize any lighting pattern. By acting on the optics while each

module is injected, it is virtually possible to customize any application.

The customer will be delivered with the NACTUS model that performs the optical lighting pattern he desires and in the shape he has chosen. NACTUS FREE FORM allows any individual to realize the upmost creativity in lighting application solutions. You are given the opportunity to build up your own lighting



applications by simply choosing the shape, the size and the lighting pattern of your NACTUS module, the one that best fits your final application. Like any Nactus models, you do not need to develop any photometric analysis: that is our task, enabling us to assure you the most efficient solution. NACTUS FREE

FORM is your on-hand-solution: **you choose the shape and size of your NACTUS module; you choose the lighting pattern your NACTUS module must perform; Khatod realizes it. That's all!**

You will be delivered with a total custom product BUT at the cost for a standard product: no cost for the mechanical design and development; no cost for the optical design and development.

You will only be required for a minimum quantity to be produced and supplied. That's all!




NACTUS DS

Designed for Power LEDs of latest generation; the board is preset with holes for the housing of sensors while the holes around the perimeter allow an easy installation of the module on the LED board. NACTUS DS is available in multi-lens arrays, from 12 to 24 – 36 – 48 optics. NACTUS DS panels are clear fine-frosted finish, except for one side which is gloss finish.

The gloss finish side is a benchmark for the correct mounting of the panel onto the end application: when positioning the panel, the gloss finish side must be directed toward the support of the luminaire: pole, wall, peg, etc. On request, NACTUS DS panels can be IP protected, rating IP65, by placing a silicone gasket in the special groove all around the perimeter edge of the panel. The optics are made of PMMA.

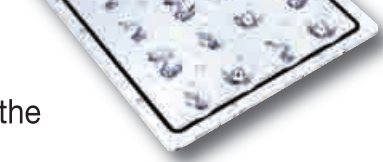
NACTUS IP DS




Designed for Power LEDs of latest generation, the board is preset with holes for the housing of sensors while the holes around the perimeter allow an easy installation of the module on the LED board. NACTUS IP DS is available in multi-lens arrays, from 12 to 24 – 36 – 48 optics. This version is IP protected, rating IP65: a silicone gasket placed in the special groove all around the perimeter edge of the panel ensures protection against powder and water ingress. This makes NACTUS IP DS particularly fitting for the outdoor applications as well as indoor applications in damp and wet environments, such as indoor pools. NACTUS IP DS panels are clear fine-frosted finish except for one side which is gloss finish. This gloss finish side must be directed toward the support of the luminaire (pole, wall, peg, etc.) for a correct positioning of the panel during the mounting operation. NACTUS IP DS comes with the silicone gasket placed. The optics are made of PMMA.

NACTUS IP

Designed for Power LEDs of latest generation; the board is preset with holes for the housing of sensors while the holes around the perimeter allow an easy installation of the module on the LED board. NACTUS IP, available in multi-lens arrays, from 12 to 24 – 36 – 48 optics, is IP protected, rating IP65.















Like the IP DS version, also NACTUS IP is equipped with a silicone gasket placed in the special groove all around the perimeter edge of the panel ensuring protection against powder and water ingress. NACTUS IP provides the cable entrance service through an appropriate pocket on one side of the panel allowing the cables to pass through. NACTUS IP panels are totally clear fine-frosted finish. The pocket for the cables entrance is also a benchmark for the correct positioning of the panel during the mounting operation. NACTUS IP comes with the silicone gasket placed. The optics are made of PMMA.

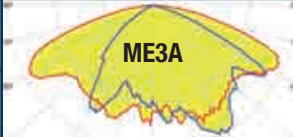


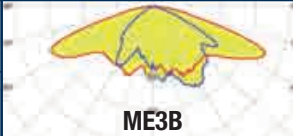


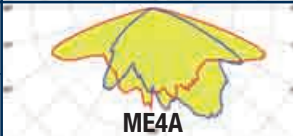


NACTUS Optical System – based on 6 different core lenses - is Patent Pending – NACTUS Optical System is approved according to EN 62471:2010 (photobiological safety of lamps and lamp systems).




FIRST and UNIQUE OPTICAL SYSTEM using DIFFERENT OPTICS with DIFFERENT GEOMETRIES, combined and set together in the SAME SYSTEM.



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PART NUMBER	PART NUMBER IP VERSION	CATEGORY	DESCRIPTION	H	BOOM	RW	P2P	DIMENSIONS mm
KNAC2401A	KNAC2401AIP		MULTI-LENS ARRAYS 24 LEDS	6M	0M	6M	3.75XH	178X139,8
KNAC2401ADS	KNAC2401ADSIP							178X137,2
KNAC2402A	KNAC2402AIP		MULTI-LENS ARRAYS 24 LEDS	6M	0M	6M	3.75XH	178X139,8
KNAC2402ADS	KNAC2402ADSIP							178X137,2
KNAC2403A	KNAC2403AIP		MULTI-LENS ARRAYS 24 LEDS	6M	1M	6M	3.75XH	178X139,8
KNAC2403ADS	KNAC2403ADSIP							178X137,2
KNAC2406A	KNAC2406AIP		MULTI-LENS ARRAYS 24 LEDS	6M	0M	6M	3.75XH	178X139,8
KNAC2406ADS	KNAC2406ADSIP							178X137,2
KNAC3601A	KNAC3601AIP		MULTI-LENS ARRAYS 36 LEDS	6M	0M	6M	3.75XH	178X195,7
KNAC3601ADS	KNAC3601ADSIP							178X193,0
KNAC3602A	KNAC3602AIP		MULTI-LENS ARRAYS 36 LEDS	7M	1M	7M	3.75XH	178X195,7
KNAC3602ADS	KNAC3602ADSIP							178X193,0
KNAC3603A	KNAC3603AIP		MULTI-LENS ARRAYS 36 LEDS	7M	0M	7M	3.75XH	178X195,7
KNAC3603ADS	KNAC3603ADSIP							178X193,0
KNAC3604A	KNAC3604AIP		MULTI-LENS ARRAYS 36 LEDS	7M	0M	7M	3.75XH	178X195,7
KNAC3604ADS	KNAC3604ADSIP							178X193,0
KNAC3604A	KNAC3604AIP		MULTI-LENS ARRAYS 36 LEDS	7M	0M	8M	3.75XH	178X195,7
KNAC3604ADS	KNAC3604ADSIP							178X193,0
KNAC3604A	KNAC3604AIP		MULTI-LENS ARRAYS 36 LEDS	8M	0M	8M	3.75XH	178X195,7
KNAC3604ADS	KNAC3604ADSIP							178X193,0



PART NUMBER	PART NUMBER IP VERSION	CATEGORY	DESCRIPTION	H	BOOM	RW	P2P	DIMENSIONS mm
KNAC3604A	KNAC3604AIP	 ME4A	MULTI-LENS ARRAYS 36 LEDS	8M	1M	9M	3.75XH	178X195,7
KNAC3604A	KNAC3604AIP							178X193,0
KNAC4801ADS	KNAC4801AIP	 ME3A	MULTI-LENS ARRAYS 48 LEDS	8M	0M	9M	3.75XH	178X251,6
KNAC4801ADS	KNAC4801ADSIP							178X249,0
KNAC4801A	KNAC4801AIP	 ME3A	MULTI-LENS ARRAYS 48 LEDS	8M	0M	8M	3.75XH	178X251,6
KNAC4801ADS	KNAC4801ADSIP							178X249,0






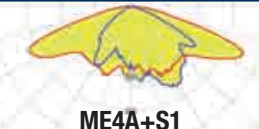
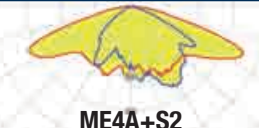





TENS OF THOUSANDS OF SOLUTIONS ARE AVAILABLE FOR YOUR MOST DEMANDING REQUIREMENTS.
Nactus Optical System is ready in stock in so many different ranges enabling to realize any kind of application and meet the most demanding requirements in wide area lighting.
The models you will find in this catalogue are just the solutions that meet most of the current application requirements.
BUT, thanks to our patent design **based on 6 different core lenses, YOU CAN DO IT ALL!**
Just let Khatod know what you need and Khatod will realize your project!


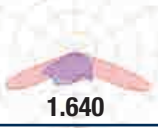
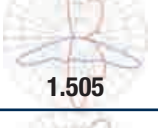
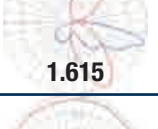








STREET LIGHT - EN13201 Legenda

CATEGORY = Road Lighting Class / **H** = Pole Height / **Boom** = Boom Length
RW = Road Width / **P2P** = Pole to Pole Distance

PART NUMBER	PART NUMBER IP VERSION	CATEGORY	DESCRIPTION	H	BOOM	RW	P2P	DIMENSIONS mm
KNAC2402A	KNAC2402AIP	 ME4A+S2	MULTI-LENS ARRAYS 24 LEDS	6M	0M	6M+2M(SW)	3.75XH	178X139,8
KNAC2402ADS	KNAC2402ADSIP							178X137,2
KNAC2403A	KNAC2403AIP	 ME4A+S2	MULTI-LENS ARRAYS 24 LEDS	6M	1M	6M+2M(SW)	3.75XH	178X139,8
KNAC2403ADS	KNAC2403ADSIP							178X137,2
KNAC3602A	KNAC3602AIP	 ME3A+S2	MULTI-LENS ARRAYS 36 LEDS	7M	1M	7M+2M(SW)	3.75XH	178X195,7
KNAC3602ADS	KNAC3602ADSIP							178X193,0
KNAC3603A	KNAC3603AIP	 ME3B+CE3	MULTI-LENS ARRAYS 36 LEDS	7M	0M	7M+2M(SW)	3.75XH	178X195,7
KNAC3603ADS	KNAC3603ADSIP							178X193,0
KNAC3604A	KNAC3604AIP	 ME3A+CE3	MULTI-LENS ARRAYS 36 LEDS	7M	0M	7M+2M(SW)	3.75XH	178X195,7
KNAC3604ADS	KNAC3604ADSIP							178X193,0
KNAC3604A	KNAC3604AIP	 ME4A+S1	MULTI-LENS ARRAYS 36 LEDS	7M	-2M	8M+2M(SW)	3.75XH	178X195,7
KNAC3604ADS	KNAC3604ADSIP							178X193,0
KNAC3604A	KNAC3604AIP	 ME4A+S2	MULTI-LENS ARRAYS 36 LEDS	8M	0M	8M+2M(SW)	3.75XH	178X195,7
KNAC3604ADS	KNAC3604ADSIP							178X193,0
KNAC3604A	KNAC3604AIP	 ME4A+S2	MULTI-LENS ARRAYS 36 LEDS	8M	1M	9M+2M(SW)	3.75XH	178X195,7
KNAC3604ADS	KNAC3604ADSIP							178X193,0
KNAC4801A	KNAC4801AIP	 ME3A+S1	MULTI-LENS ARRAYS 48 LEDS	8M	0M	9M+2M(SW)	3.75XH	178X251,6
KNAC4801ADS	KNAC4801ADSIP							178X249,0
KNAC4801A	KNAC4801AIP	 ME3A+S1	MULTI-LENS ARRAYS 48 LEDS	8M	0M	8M+2M(SW)	3.75XH	178X251,6
KNAC4801ADS	KNAC4801ADSIP							178X249,0



PART NUMBER	PART NUMBER IP VERSION	MAX CD.	DESCRIPTION	LED	IES TYPE	LONGITUDINAL	CUT OFF	DIMENSIONS mm
KNAC1201ADS	KNAC1201ADSIP	 3.610	MULTI-LENS ARRAY 12 LEDS	12 LEDS	I	MEDIUM	SEMI	178X81,3
KNAC1202ADS	KNAC1202ADSIP	 1.640	MULTI-LENS ARRAY 12 LEDS	12 LEDS	II	MEDIUM	SEMI	178X139,8
KNAC1203ADS	KNAC1203ADSIP	 1.505	MULTI-LENS ARRAY 12 LEDS	12 LEDS	III	MEDIUM	SEMI	178X139,8
KNAC1204ADS	KNAC1204ADSIP	 1.615	MULTI-LENS ARRAY 12 LEDS	12 LEDS	IV	MEDIUM	SEMI	178X139,8
KNAC1205ADS	KNAC1205ADSIP	 1.334	MULTI-LENS ARRAY 12 LEDS	12 LEDS	V	SHORT	FULL	178X139,8
KNAC2404A	KNAC2404AIP	 2.650	MULTI-LENS ARRAYS 24 LEDS	24 LEDS	V	SHORT	FULL	178X139,8
KNAC2404ADS	KNAC2404ADSIP							178X137,2
KNAC2405A	KNAC2405AIP	 3.440	MULTI-LENS ARRAYS 24 LEDS	24 LEDS	IV	MEDIUM	SEMI	178X139,8
KNAC2405ADS	KNAC2405ADSIP							178X137,2
KNAC2408A	KNAC2408AIP	 2.990	MULTI-LENS ARRAYS 24 LEDS	24 LEDS	III	MEDIUM	SEMI	178X139,8
KNAC2408ADS	KNAC2408ADSIP							178X137,2
KNAC2409A	KNAC2409AIP	 7.630	MULTI-LENS ARRAYS 24 LEDS	24 LEDS	I	MEDIUM	SEMI	178X139,8
KNAC2409ADS	KNAC2409ADSIP							178X137,2
KNAC3605A	KNAC3605AIP	 4.000	MULTI-LENS ARRAYS 36 LEDS	36 LEDS	V	SHORT	FULL	178X195,7
KNAC3605ADS	KNAC3605ADSIP							178X193,0





PART NUMBER	PART NUMBER IP VERSION	MAX CD.	DESCRIPTION	LED	IES TYPE	LONGITUDINAL	CUT OFF	DIMENSIONS mm
KNAC3606A	KNAC3606AIP	4.980	MULTI-LENS ARRAYS 36 LEDS	36 LEDS	IV	MEDIUM	SEMI	178X195,7
KNAC3606ADS	KNAC3606ADSIP							178X193,0
KNAC3609A	KNAC3609AIP	4.510	MULTI-LENS ARRAYS 36 LEDS	36 LEDS	III	MEDIUM	SEMI	178X195,7
KNAC3609ADS	KNAC3609ADSIP							178X193,0
KNAC3610A	KNAC3610AIP	11.100	MULTI-LENS ARRAYS 36 LEDS	36 LEDS	I	MEDIUM	SEMI	178X195,7
KNAC3610ADS	KNAC3610ADSIP							178X193,0
KNAC4802A	KNAC4802AIP	5.330	MULTI-LENS ARRAYS 48 LEDS	48 LEDS	V	SHORT	FULL	178X251,6
KNAC4802ADS	KNAC4802ADSIP							178X249,0
KNAC4803A	KNAC4803AIP	6.500	MULTI-LENS ARRAYS 48 LEDS	48 LEDS	IV	MEDIUM	SEMI	178X251,6
KNAC4803ADS	KNAC4803ADSIP							178X249,0
KNAC4806A	KNAC4806AIP	6.020	MULTI-LENS ARRAYS 48 LEDS	48 LEDS	III	MEDIUM	SEMI	178X251,6
KNAC4806ADS	KNAC4806ADSIP							178X249,0
KNAC4807A	KNAC4807AIP	14.450	MULTI-LENS ARRAYS 48 LEDS	48 LEDS	I	MEDIUM	SEMI	178X251,6
KNAC4807ADS	KNAC4807ADSIP							178X249,0
KNAC4811A	KNAC4811AIP	2.650	MULTI-LENS ARRAYS 48 LEDS	48 LEDS	II	MEDIUM	FULL	178X251,6
KNAC4811ADS	KNAC4811ADSIP							178X249,0



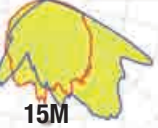
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The models you will find in this catalogue are just the solutions that meet most of the current application requirements.

BUT, thanks to our patent design based on 6 different core lenses, YOU CAN DO IT ALL!

Just let Khatod know what you need and Khatod will realize your project!

STREET LIGHT - IESNA Legenda

IES TYPE = IESNA Distribution Type / Longitudinal = Longitudinal Classification Category / Cut Off = Cut Off Type

PART NUMBER	PART NUMBER IP VERSION	WIDTH	DESCRIPTION	LED	H	BEAM	LENGTH	DIMENSIONS mm
KNAC4802A	KNAC4802AIP	 7M	MULTI-LENS ARRAYS 48 LEDS	48 LEDS	5,5M	120° SYMM	7M	178X251,6
KNAC4802ADS	KNAC4802ADSIP							178X249,0
KNAC4808A	KNAC4808AIP	 5M	MULTI-LENS ARRAYS 48 LEDS	48 LEDS	5,5M	90° SYMM	5M	178X251,6
KNAC4808ADS	KNAC4808AADSIP							178X249,0
KNAC4809A	KNAC4809AIP	 15M	MULTI-LENS ARRAYS 48 LEDS	48 LEDS	5,5M	ASYMM	15M	178X251,6
KNAC4809ADS	KNAC4809ADSIP							178X249,0



For further information



Nactus 101



Nactus DS



Nactus IP



Nactus IPDS



Nactus Free Form

CANOPY LIGHT - PARKING LIGHT - PETROL GAS STATION LIGHT Legenda

H = Installation Height

Beam Divergence = Beam Angle Degree / Length/Width = Covered Area



SIDEWALK & BICYCLE LANE LIGHT

PART NUMBER	PART NUMBER IP VERSION	EAVE	DESCRIPTION	LED	H	P2P	CATEGORY	DIMENSIONS mm
KNAC2409A	KNAC2409AIP		MULTI-LENS ARRAYS 24 LEDS	24 LEDS	5M	30M	S1/CYCLE LANE	178X139,8
KNAC2409ADS	KNAC2409ADSIP							178X137,2
KNAC2410A	KNAC2410AIP		MULTI-LENS ARRAYS 24 LEDS	24 LEDS	6M	18M	S1/CYCLE LANE	178X139,8
KNAC2410ADS	KNAC2410ADSIP							178X137,2
KNAC2402A	KNAC2402AIP		MULTI-LENS ARRAYS 24 LEDS	24 LEDS	4M	20M	S1/CYCLE+BIKE	178X139,8
KNAC2402ADS	KNAC2402ADSIP							178X137,2
KNAC3613A	KNAC3613AIP		MULTI-LENS ARRAYS 36 LEDS	36 LEDS	5M	25M	S1/CYCLE LANE	178X195,7
KNAC3613ADS	KNAC3613ADSIP							178X193,0

SIDEWALK & BICYCLE LANE LIGHT Legend

H = Installation Height / P2P = Pole to Pole Distance / CATEGORY = Road Lighting Cass / Eave = Average Illuminance





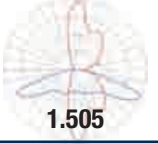





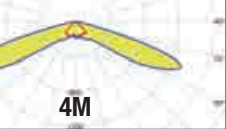
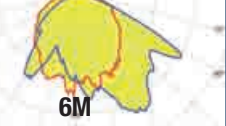
TUNNEL LIGHT

PART NUMBER	PART NUMBER IP VERSION	LAVE	DESCRIPTION	LED	H	RW	LAMP DISTANCE	DIMENSIONS mm
KNAC2409A	KNAC2409AIP		MULTI-LENS ARRAYS 24 LEDS	24 LEDS	5,5M	7,5M CENTER	10M	178X139,8
KNAC2409ADS	KNAC2409ADSIP							178X137,2
KNAC3601A	KNAC3601AIP		MULTI-LENS ARRAYS 36 LEDS	36 LEDS	5,5M	7,5M OFF AXIS	15M	178X195,7
KNAC3601ADS	KNAC3601ADSIP							178X193,0

TUNNEL Legend




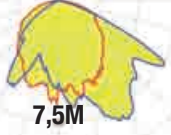
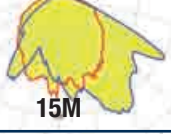



H = Installation Height

RW = Road Width / LAMP DISTANCE = Pole to Pole Distance / Lave = Average Luminance

PART NUMBER	PART NUMBER IP VERSION	WIDTH	DESCRIPTION	LED	H	BEAM	LENGTH	DIMENSIONS mm
KNAC1201ADS	KNAC1201ADSIP	 3.610	MULTI-LENS ARRAY 12 LEDS	12 LEDS	4M	MEDIUM	10M	178X81,3
KNAC1202ADS	KNAC1202ADSIP		MULTI-LENS ARRAY 12 LEDS	12 LEDS	4M	MEDIUM	10M	178X81,3
KNAC1203ADS	KNAC1203ADSIP	 1.505	MULTI-LENS ARRAY 12 LEDS	12 LEDS	4M	MEDIUM	10M	178X81,3
KNAC1204ADS	KNAC1204ADSIP	 1.615	MULTI-LENS ARRAY 12 LEDS	12 LEDS	4M	MEDIUM	10M	178X81,3
KNAC1205ADS	KNAC1205ADSIP	 1.334	MULTI-LENS ARRAY 12 LEDS	12 LEDS	4M	SHORT	10M	178X81,3
KNAC2401A	KNAC2401AIP	 6M	MULTI-LENS ARRAYS 24 LEDS	24 LEDS	4M	ASYMM	12M	178X139,8
KNAC2401ADS	KNAC2401ADSIP							178X137,2
KNAC2404A	KNAC2404AIP	 10M	MULTI-LENS ARRAYS 24 LEDS	24 LEDS	4M	120° SYMM	10M	178X139,8
KNAC2404ADS	KNAC2404ADSIP							178X137,2
KNAC2410A	KNAC2410AIP	 6M	MULTI-LENS ARRAYS 24 LEDS	24 LEDS	4M	90° SYMM	6M	178X139,8
KNAC2410ADS	KNAC2410ADSIP							178X137,2
KNAC2409A	KNAC2409AIP	 4M	MULTI-LENS ARRAYS 24 LEDS	24 LEDS	4M	60 X 120°	12M	178X139,8
KNAC2409ADS	KNAC2409ADSIP							178X137,2
KNAC2401A	KNAC2401AIP	 6M	MULTI-LENS ARRAYS 24 LEDS	24 LEDS	4M	ASYMM	12M	178X139,8
KNAC2401ADS	KNAC2401ADSIP							178X137,2





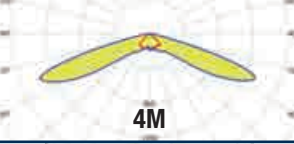



PART NUMBER	PART NUMBER IP VERSION	WIDTH	DESCRIPTION	LED	H	BEAM	LENGTH	DIMENSIONS mm
KNAC3605A	KNAC3605AIP		MULTI-LENS ARRAYS 36 LEDS	36 LEDS	5M	120° SYMM	12M	178X195,7
KNAC3605ADS	KNAC3605ADSIP							178X193,0
KNAC3611A	KNAC3611AIP		MULTI-LENS ARRAYS 36 LEDS	36 LEDS	5M	90° SYMM	7M	178X195,7
KNAC3611ADS	KNAC3611ADSIP							178X193,0
KNAC3610A	KNAC3610AIP		MULTI-LENS ARRAYS 36 LEDS	36 LEDS	5M	60 X 120°	15M	178X195,7
KNAC3610ADS	KNAC3610AIP							178X193,0
KNAC3612A	KNAC3612ADSIP		MULTI-LENS ARRAYS 36 LEDS	36 LEDS	5M	ASYMM	15M	178X195,7
KNAC3612ADS	KNAC3612AIP							178X193,0
KNAC4802A	KNAC4802ADSIP		MULTI-LENS ARRAYS 48 LEDS	48 LEDS	6M	120° SYMM	15M	178X251,6
KNAC4802ADS	KNAC4802AIP							178X249,0
KNAC4808A	KNAC4808AIP		MULTI-LENS ARRAYS 48 LEDS	48 LEDS	6M	90° SYMM	9M	178X251,6
KNAC4808ADS	KNAC4808ADSIP							178X249,0
KNAC4807A	KNAC4807AIP		MULTI-LENS ARRAYS 48 LEDS	48 LEDS	6M	60 X 120°	18M	178X251,6
KNAC4807ADS	KNAC4807ADSIP							178X249,0
KNAC4809A	KNAC4809AIP		MULTI-LENS ARRAYS 48 LEDS	48 LEDS	6M	ASYMM	18M	178X251,6
KNAC4809ADS	KNAC4809ADSIP							178X249,0

RESIDENTIAL LIGHT - GARDEN LIGHT - ARCHITECTURAL LIGHT Legenda

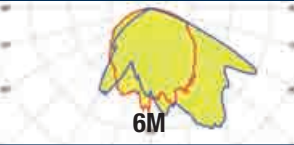

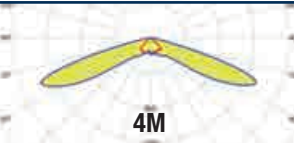

H = Installation Height

Beam Divergence = Beam Angle Degree / Length/Width = Covered Area

PART NUMBER	PART NUMBER IP VERSION	WIDTH	DESCRIPTION	H	BEAM	LENGTH	DIMENSIONS
KNAC2401A	KNAC2401AIP	 6M	MULTI-LENS ARRAYS 24 LED	4M	ASYMM	12M	178X139,8
KNAC2401ADS	KNAC2401ADSIP						178X137,2
KNAC2404A	KNAC2404AIP	 10M	MULTI-LENS ARRAYS 24 LED	4M	120° SYMM	10M	178X139,8
KNAC2404ADS	KNAC2404ADSIP						178X137,2
KNAC2409A	KNAC2409AIP	 4M	MULTI-LENS ARRAYS 24 LED	4M	60 X 120°	12M	178X139,8
KNAC2409ADS	KNAC2409ADSIP						178X137,2
KNAC2410A	KNAC2410AIP	 6M	MULTI-LENS ARRAYS 24 LED	4M	90° SYMM	6M	178X139,8
KNAC2410ADS	KNAC2410ADSIP						178X137,2

OFFICE LIGHT Legenda

H = Installation Height / Beam Divergence = Beam Angle Degree / Length/Width = Covered Area


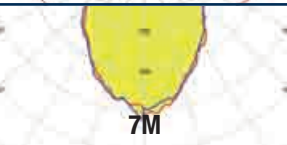
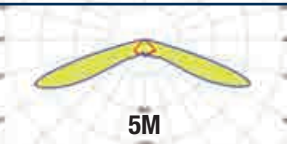
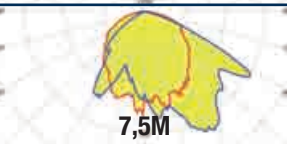
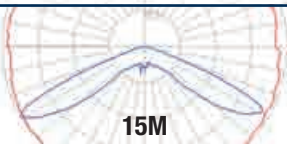
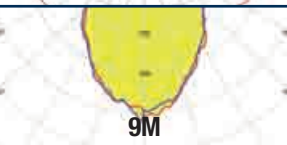
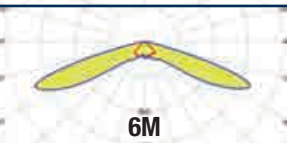
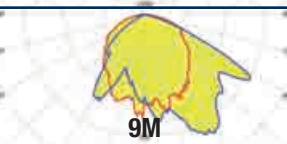
PART NUMBER	PART NUMBER IP VERSION	WIDTH	DESCRIPTION	H	BEAM	LENGTH	DIMENSIONS
KNAC2401A	KNAC2401A1X	 6M	MULTI-LENS ARRAYS 24 LED	4M	ASYMM	12M	178X139,8
KNAC2401A	KNAC2401A1X						178X137,2
KNAC2404A	KNAC2404A1X	 10M	MULTI-LENS ARRAYS 24 LED	4M	120° SYMM	10M	178X139,8
KNAC2404A	KNAC2404A1X						178X137,2
KNAC2409A	KNAC2409A1X	 4M	MULTI-LENS ARRAYS 24 LED	4M	60 X 120°	12M	178X139,8
KNAC2409A	KNAC2409A1X						178X137,2
KNAC2410A	KNAC2410A1X	 6M	MULTI-LENS ARRAYS 24 LED	4M	90° SYMM	6M	178X139,8
KNAC2410A	KNAC2410A1X						178X137,2

RETAIL LIGHT - SHOP LIGHT Legenda

H = Installation Height / Beam Divergence = Beam Angle Degree / Length/Width = Covered Area



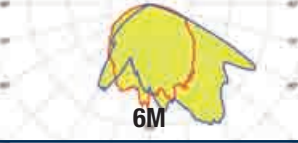


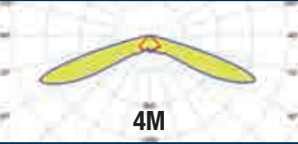


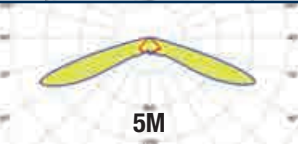
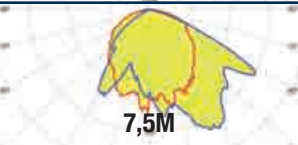
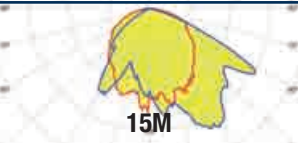



PART NUMBER	PART NUMBER IP VERSION	WIDTH	DESCRIPTION	LED	H	BEAM	LENGTH	DIMENSIONS
KNAC3605A	KNAC3605AIP		MULTI-LENS ARRAYS 36 LEDS	36 LEDS	5M	120° SYMM	12M	178X195,7
KNAC3605ADS	KNAC3605ADSIP							178X193,0
KNAC3611A	KNAC3611AIP		MULTI-LENS ARRAYS 36 LEDS	36 LEDS	5M	90° SYMM	7M	178X195,7
KNAC3611ADS	KNAC3611ADSIP							178X193,0
KNAC3610A	KNAC3610AIP		MULTI-LENS ARRAYS 36 LEDS	36 LEDS	5M	60 X 120°	15M	178X195,7
KNAC3610ADS	KNAC3610ADSIP							178X193,0
KNAC3612A	KNAC3612AIP		MULTI-LENS ARRAYS 36 LEDS	36 LEDS	5M	ASYMM	15M	178X195,7
KNAC3612ADS	KNAC3612ADSIP							178X193,0
KNAC4802A	KNAC4802AIP		MULTI-LENS ARRAYS 48 LEDS	48 LEDS	6M	120° SYMM	15M	178X251,6
KNAC4802ADS	KNAC4802ADSIP							178X249,0
KNAC4808A	KNAC4808AIP		MULTI-LENS ARRAYS 48 LEDS	48 LEDS	6M	90° SYMM	9M	178X251,6
KNAC4808ADS	KNAC4808ADSIP							178X249,0
KNAC4807A	KNAC4807AIP		MULTI-LENS ARRAYS 48 LEDS	48 LEDS	6M	60 X 120°	18M	178X251,6
KNAC4807ADS	KNAC4807ADSIP							178X249,0
KNAC4809A	KNAC4809AIP		MULTI-LENS ARRAYS 48 LEDS	48 LEDS	6M	ASYMM	18M	178X251,6
KNAC4809ADS	KNAC4809ADSIP							178X249,0

INDUSTRIAL LIGHT - COMMERCIAL LIGHT Legenda

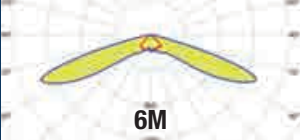
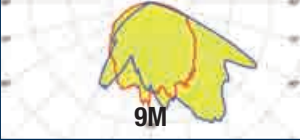
H = Installation Height

Beam Divergence = Beam Angle Degree / Length/Width = Covered Area

PART NUMBER	PART NUMBER IP VERSION	WIDTH	DESCRIPTION	LED	H	BEAM	LENGTH	DIMENSIONS mm
KNAC2401A	KNAC2401AIP		MULTI-LENS ARRAYS 24 LEDS	24 LEDS	4M	ASYMM	12M	178X139,8
KNAC2401ADS	KNAC2401ADSIP							178X137,2
KNAC2404A	KNAC2404AIP		MULTI-LENS ARRAYS 24 LEDS	24 LEDS	4M	120° SYMM	10M	178X139,8
KNAC2404ADS	KNAC2404ADSIP							178X137,2
KNAC2410A	KNAC2410AIP		MULTI-LENS ARRAYS 24 LEDS	24 LEDS	4M	90° SYMM	6M	178X139,8
KNAC2410ADS	KNAC2410ADSIP							178X137,2
KNAC2409A	KNAC2409AIP		MULTI-LENS ARRAYS 24 LEDS	24 LEDS	4M	60 X 120°	12M	178X139,8
KNAC2409ADS	KNAC2409ADSIP							178X137,2
KNAC3605A	KNAC3605AIP		MULTI-LENS ARRAYS 36 LEDS	36 LEDS	5M	120° SYMM	12M	178X195,7
KNAC3605ADS	KNAC3605ADSIP							178X193,0
KNAC3611A	KNAC3611AIP		MULTI-LENS ARRAYS 36 LEDS	36 LEDS	5M	90° SYMM	7M	178X195,7
KNAC3611ADS	KNAC3611ADSIP							178X193,0
KNAC3610A	KNAC3610AIP		MULTI-LENS ARRAYS 36 LEDS	36 LEDS	5M	60 X 120°	15M	178X195,7
KNAC3610ADS	KNAC3610ADSIP							178X193,0
KNAC3612A	KNAC3612AIP		MULTI-LENS ARRAYS 36 LEDS	36 LEDS	5M	ASYMM	15M	178X195,7
KNAC3612ADS	KNAC3612ADSIP							178X193,0
KNAC4802A	KNAC4802AIP		MULTI-LENS ARRAYS 48 LEDS	48 LEDS	6M	120° SYMM	15M	178X251,6
KNAC4802ADS	KNAC4802ADSIP							178X249,0
KNAC4808A	KNAC4808AIP		MULTI-LENS ARRAYS 48 LEDS	48 LEDS	6M	90° SYMM	9M	178X251,6
KNAC4808ADS	KNAC4808ADSIP							178X249,0





PART NUMBER	PART NUMBER IP VERSION	WIDTH	DESCRIPTION	LED	H	BEAM	LENGTH	DIMENSIONS mm
KNAC4807A	KNAC4807AIP		MULTI-LENS ARRAYS 48 LEDS	48 LEDS	6M	60 X 120°	18M	178X251,6
KNAC4807ADS	KNAC4807ADSIP							178X249,0
KNAC4809A	KNAC4809AIP		MULTI-LENS ARRAYS 48 LEDS	48 LEDS	6M	ASYMM	18M	178X251,6
KNAC4809ADS	KNAC4809ADSIP							178X249,0



NACTUS OPTICAL SYSTEM: FIRST and UNIQUE OPTICAL SYSTEM using DIFFERENT OPTICS with DIFFERENT GEOMETRIES, combined and set together in the SAME SYSTEM.

PROFESSIONAL LIGHT Legenda

H = Installation Height

Beam Divergence = Beam Angle Degree / Length/Width = Covered Area



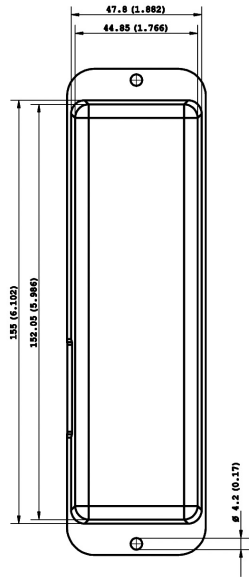
PART NUMBER	PART NUMBER IP VERSION	WIDTH	DESCRIPTION	LED	H	BEAM	LENGTH	DIMENSIONS mm
KNAC2401A	KNAC2401AIP	 6M	MULTI-LENS ARRAYS 24 LEDS	24 LEDS	4M	ASYMM	12M	178X139,8
KNAC2401ADS	KNAC2401ADSIP							178X137,2
KNAC2404A	KNAC2404AIP	 10M	MULTI-LENS ARRAYS 24 LEDS	24 LEDS	4M	120° SYMM	10M	178X139,8
KNAC2404ADS	KNAC2404ADSIP							178X137,2
KNAC2409A	KNAC2409AIP	 4M	MULTI-LENS ARRAYS 24 LEDS	24 LEDS	4M	60 X 120°	12M	178X139,8
KNAC2409ADS	KNAC2409ADSIP							178X137,2
KNAC2410A	KNAC2410AIP	 6M	MULTI-LENS ARRAYS 24 LEDS	24 LEDS	4M	90° SYMM	6M	178X139,8
KNAC2410ADS	KNAC2410ADSIP							178X137,2
KNAC3605A	KNAC3605AIP	 12M	MULTI-LENS ARRAYS 36 LEDS	36 LEDS	5M	120° SYMM	12M	178X195,7
KNAC3605ADS	KNAC3605ADSIP							178X193,0
KNAC3610A	KNAC3610AIP	 5M	MULTI-LENS ARRAYS 36 LEDS	36 LEDS	5M	60 X 120°	15M	178X195,7
KNAC3610ADS	KNAC3610ADSIP							178X193,0
KNAC3611A	KNAC3611AIP	 7M	MULTI-LENS ARRAYS 36 LEDS	36 LEDS	5M	90° SYMM	7M	178X195,7
KNAC3611ADS	KNAC3611ADSIP							178X193,0
KNAC3612A	KNAC3612AIP	 7,5M	MULTI-LENS ARRAYS 36 LEDS	36 LEDS	5M	ASYMM	15M	178X195,7
KNAC3612ADS	KNAC3612ADSIP							178X193,0

HOSPITAL LIGHT - HOSPITALITY LIGHT Legenda

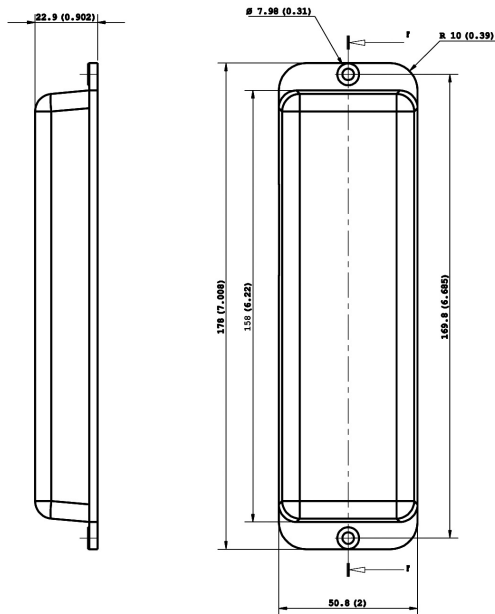
H = Installation Height

Beam Divergence = Beam Angle Degree / Length/Width = Covered Area

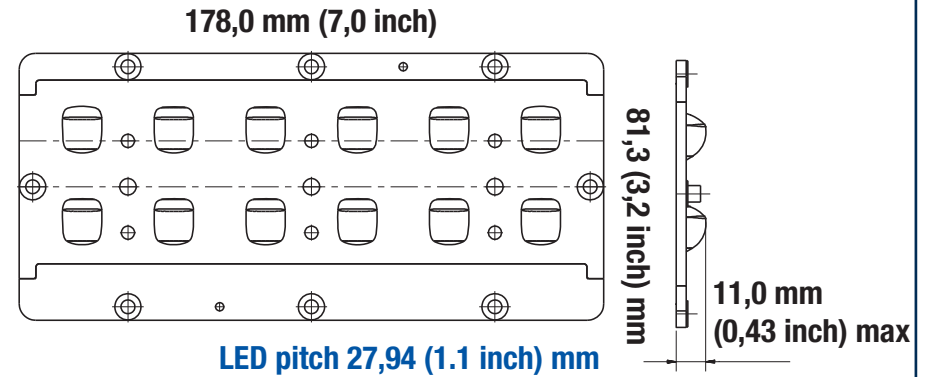
K1376NCS/X



Plastic box to be mounted on the side pocket for the cable entrance service. Allows the housing of the PCB and the cables passage.

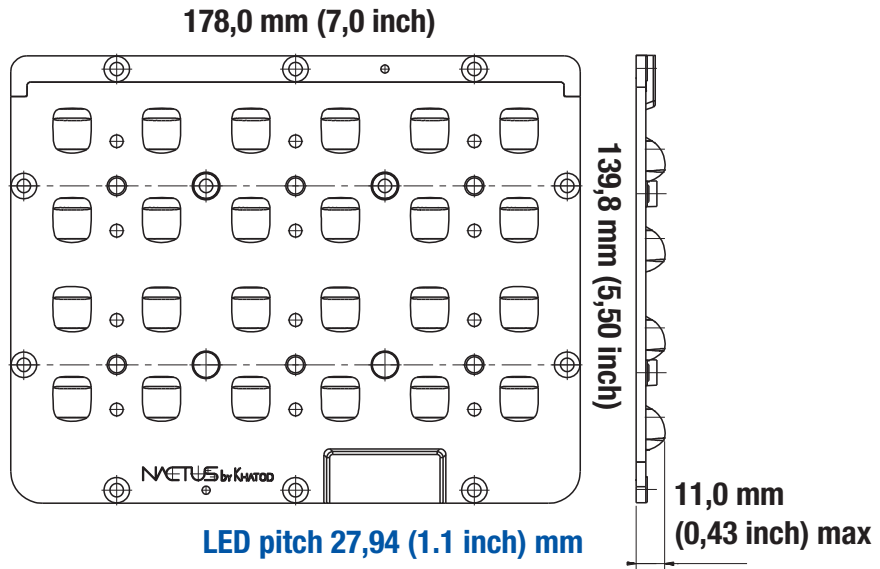


KNAC12XXADS/DSIP OPTICAL SYSTEM 12 LEDs DS Version

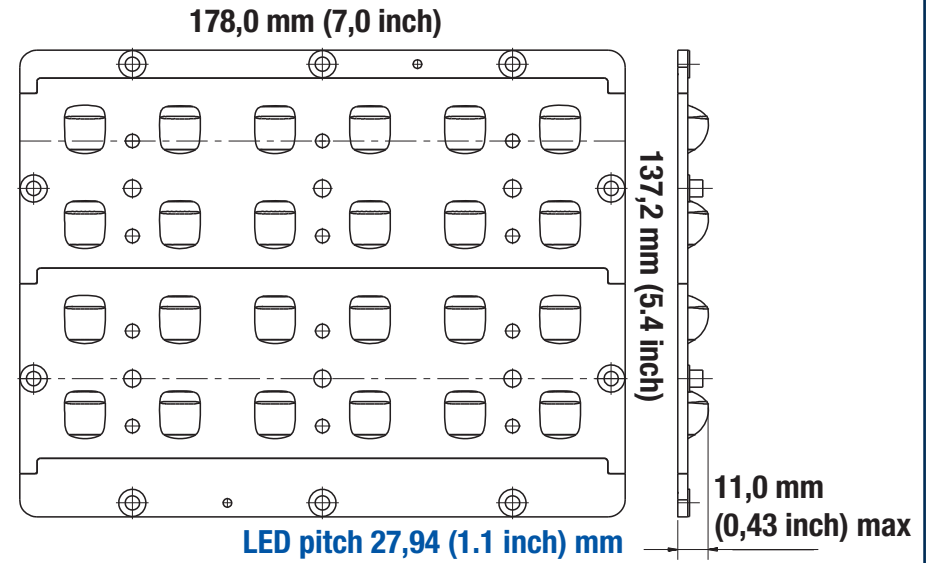


On request, the module can be supplied without the perimeter edge.

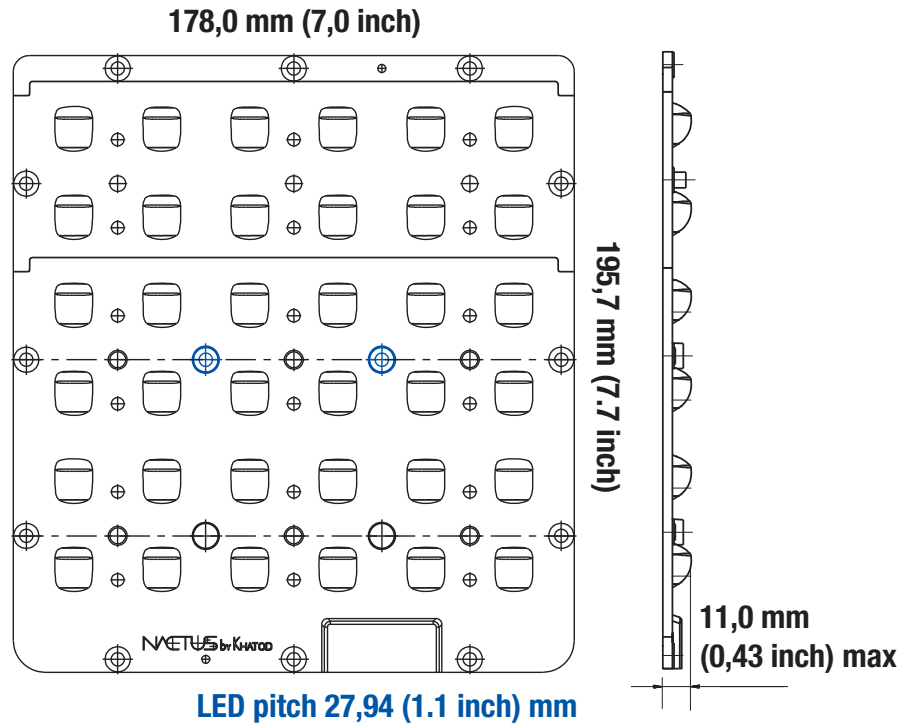
KNAC24XXA/IP OPTICAL SYSTEM 24 LEDs



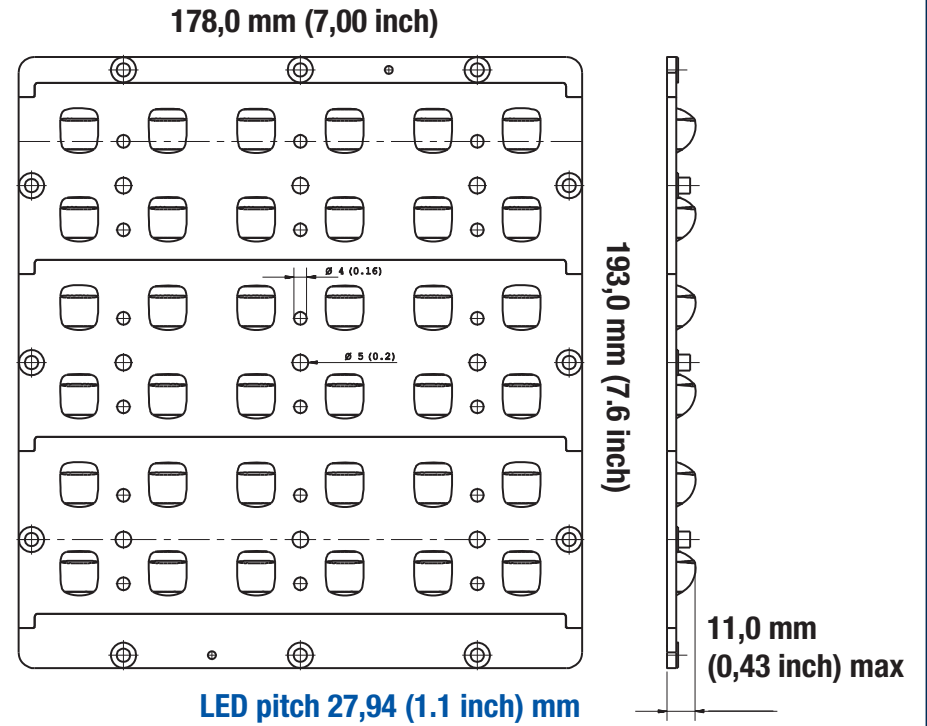
KNAC24XXADS/DSIP OPTICAL SYSTEM 24 LEDs DS Version



KNAC36XXA/IP OPTICAL SYSTEM 36 LEDs

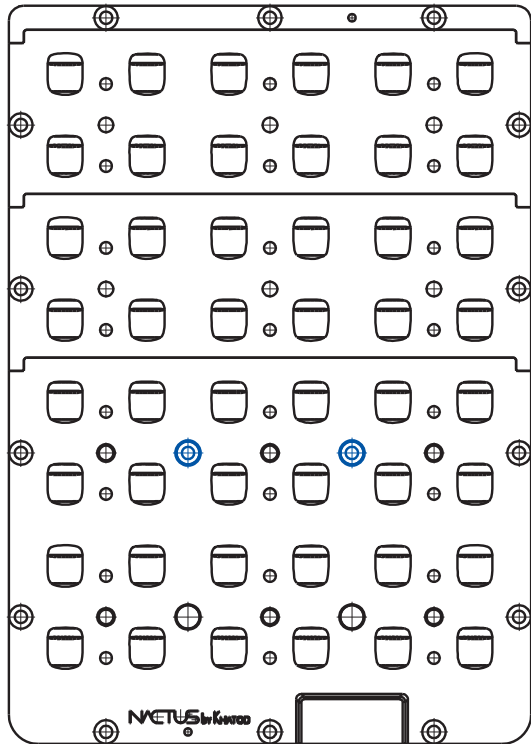


KNAC36XXADS/DSIP OPTICAL SYSTEM 36 LEDs DS Version



KNAC48XXA/IP OPTICAL SYSTEM 48 LEDs

178,0 mm (7,0 inch)



251,6 mm (9,9 inch)

11,0 mm
(0,43 inch) max

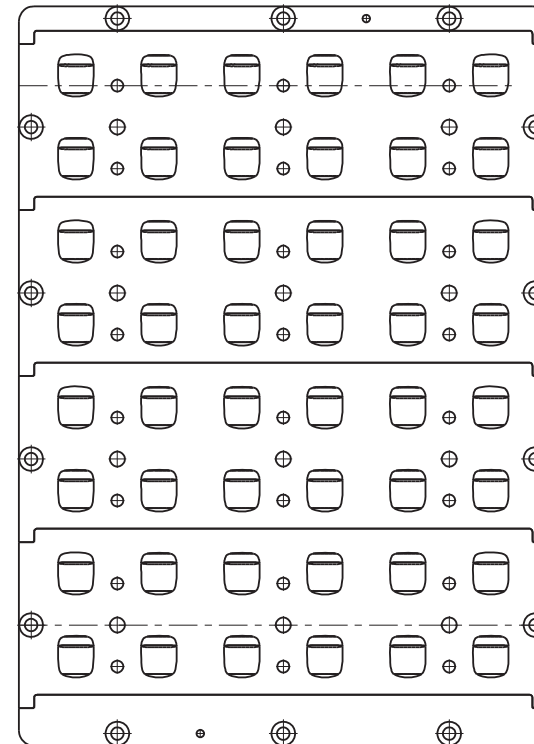
LED pitch 27,94 (1.1 inch) mm

Preset holes for any screws.

On request : 60 – 72 optics module

KNAC48XXADS/DSIP OPTICAL SYSTEM 48 LEDs DS Version

178,0 mm (7,0 inch)



249,0 mm (9,8 inch)

11,0 mm
(0,43 inch) max

LED pitch 27,94 (1.1 inch) mm

On request : 60 – 72 optics module

PIXEL

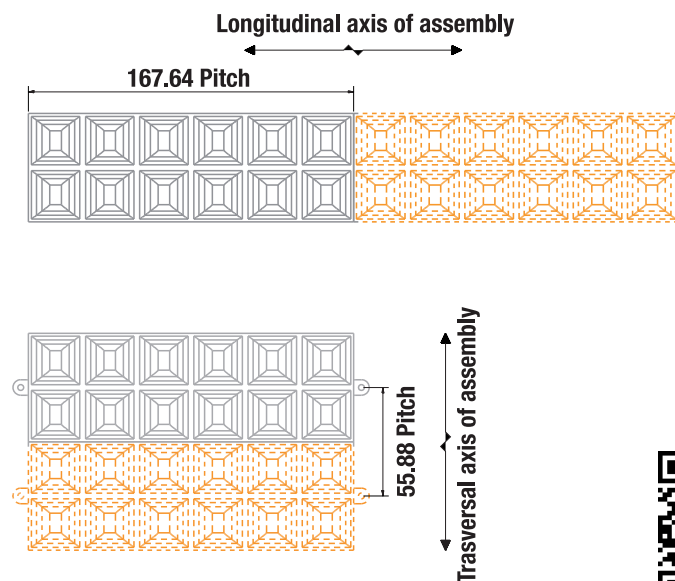
PIXEL Reflector Systems are realized in many different multi-reflector arrays, from 12 to 24 – 36 – 48 - 60 square-shaped reflectors performing a typical square shaped beam. PIXEL Systems are ready-to-use arrays provided with positioning pegs on the sides allowing an easy and immediate fitting onto the PCB.

Their special design allows for a DUAL OPTION: the arrays can be combined together by simply cutting the positioning pegs off and placing them side by side, so obtaining linear and extensive structures of desired dimensions.

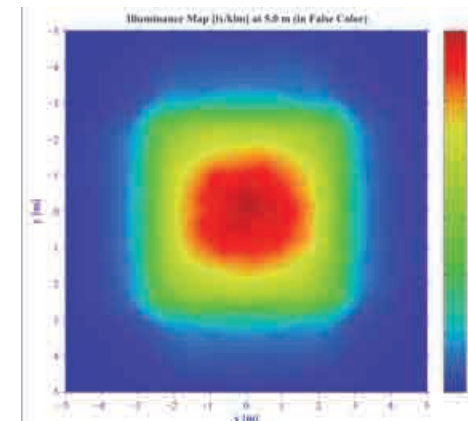
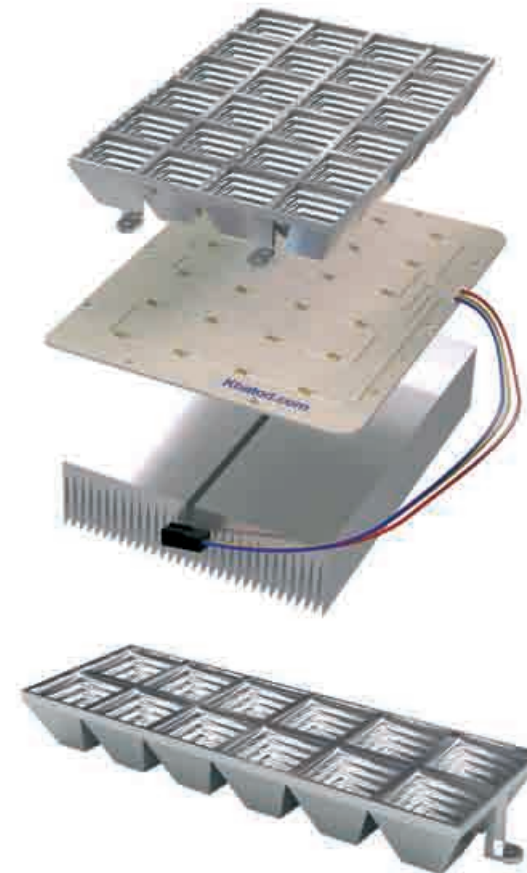
The high flexibility and versatility of their structure allow to realize countless different configurations for any applications in Wide Area Lighting, Indoor and Outdoor; Architectural Lighting; Billboard Lighting. Made of special PC for vacuum coating treatment, PIXEL Systems are fit for High Brightness LEDs from 100 to 900 lumens and over.

Deliver the most simple design while ensuring the highest in technology.

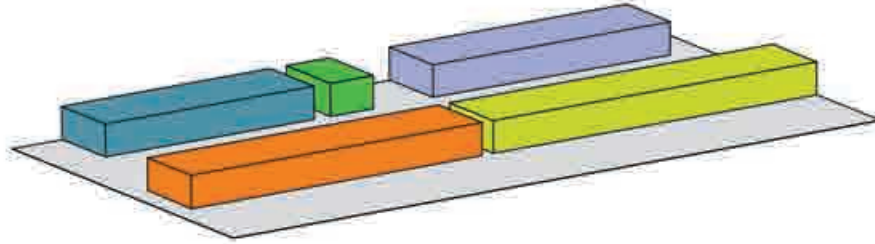
PIXEL is complying with UL94 Specifications. Is Patent pending.



PIXEL Reflector System



100% Automated System (24 h/day)



In-House Manufacturing Facilities, over 4600 sqm

- ✓ Injection Machines
- ✓ Mould & Automation Design Department
- ✓ Mould Manufacturing & Fresnel Tooling
- ✓ Vacuum Coating Systems & Pad Printing Systems
- ✓ Silicone Optics Technology & Multi-Axis Dispensing Robots
- ✓ Optical Reflector Systems Technology & Production Equipment
- ✓ CNC Multi-Tasking Machines (Custom Lens Rework)
- ✓ Optical Design Department
- ✓ Hydrokinetic Cleaning Systems
- ✓ Laser Plotter Stations
- ✓ Ultrasonic Welding Systems
- ✓ Automated Warehouse

Quality Control, Test & Inspection

- ✓ 3D Vision Measurements
- ✓ Dark Rooms & Photometric Metrology Test Laboratory
- ✓ Laser System Controls
- ✓ Automated Packaging Systems



HEADQUARTERS



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