



HERCULUX STARRY OPTICAL PLATFORM

Chengdu HercuLux Photoelectric Technology Co., Ltd.



Website



WeChat



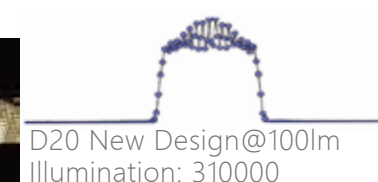
Youtube

Add: Rm 501-510, Comprehensive Service Bld, Nanshan Cloud Valley, Nanshan, Shenzhen, Guangdong, China 518055
Tel: +86 755 2640 6841
Fax: +86 755 2907 5140
Email: sales@herculux.com
Website: <http://www.herculux.com>

Chengdu HERCULUX Photoelectric Technology Co., Ltd. is a national "little giant" high-tech enterprise committed to providing optical system solutions for LED lighting, UV LED curing, laser projection Film, AOI machine vision detection and other applications

FIREFLY SERIES

New Solution Design Principles



First optics: Collect light and blend it together.

Second optics: Re-adjust the light correction to achieve even light distribution.

Surface Illumination Comparison

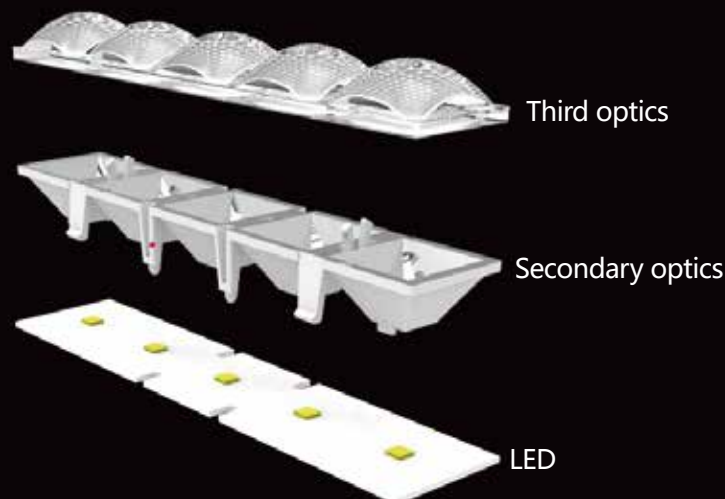


Regular solutions on the market

Ordinary lens or reflector with grille. The surface brightness is not uniform. The lens/reflector is blinding when seen over the grille.

HercuLux solution

Firefly series lens, precise light control at the same time, **the surface illumination uniformity is very good**, when you look directly at the lens is not glare.



Grille-free design, ultra-low glare, excellent lens surface illumination uniformity.

Development Background

Currently, linear light on the market are all in the form of lens + grille, or reflector + grille, which are combined by buckles.



Reflector + Louver



Advantage:
Glare control is better.

Disadvantage: the center light is uncontrollable, the design height is very high, and the center of the surface illumination is sunken.

Lens + Louver



Advantage: Both center light and edge light can be controlled, the design height is relatively high.

Disadvantage: the surface uniformity is very low, the center brightness is huge, and not anti-glare.

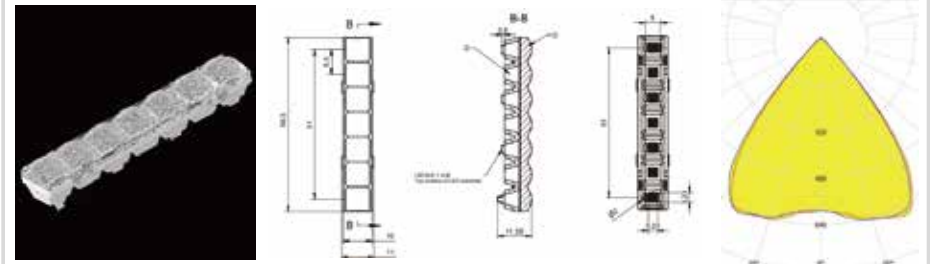
Firefly-Starry-10



- ✓ Ultra low glare
- ✓ High CBCP
- ✓ Extremely narrow size
- ✓ Excellent color mixing

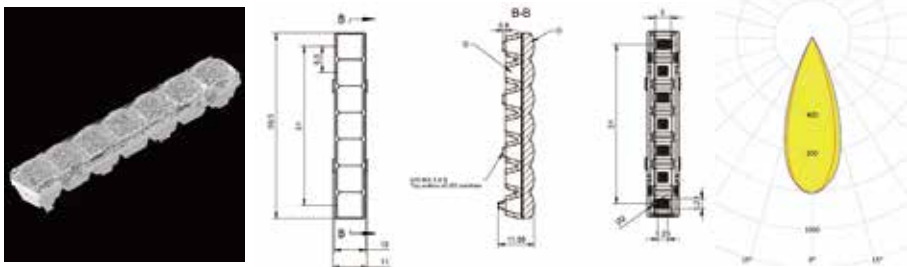
Application: Cabinet lighting, Commercial lighting, Smart home lighting, Museum lighting, Display lighting

Firefly-Starry-10-7 IN 1-80



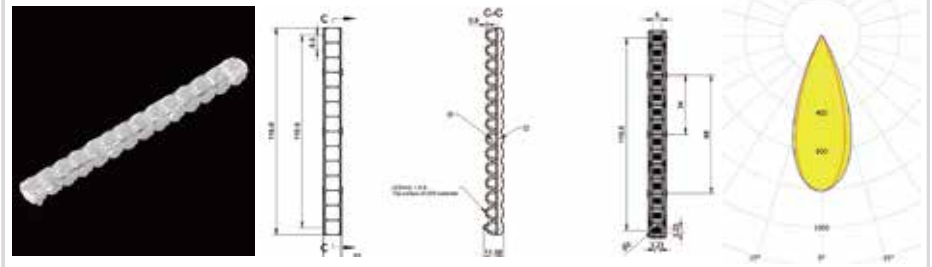
MN	1.01.44028
PN	HK-YH XK-59@12-80-3030-#0-1g-7 ASM
Dimension	59.3X11X11.59
LED	3030
FWHM	80°
LENS: PMMA	
Reflector: Vacuum Aluminum Plating PC	

Firefly-Starry-10-7 IN 1-45



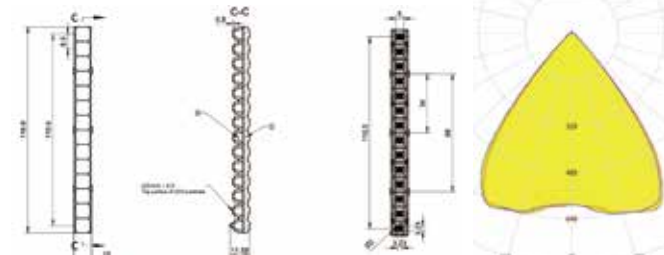
MN	1.01.43968
PN	HK-YH XK-59@12-45-3030-#0-1g-7_ASM
Dimension	59.3X11X11.59
LED	3030
FWHM	45°
LENS: PMMA	
Reflector: Vacuum Aluminum Plating PC	

Firefly-Starry-10-14 IN 1-45



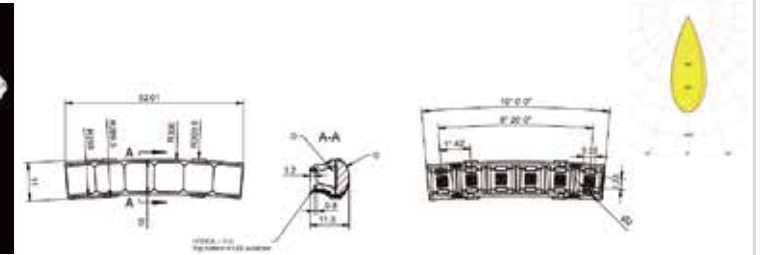
MN	1.01.44010
PN	HK-YH XK-119@12-45-3030-#0-1g-14_ASM
Dimension	118.8X11X11.59
LED	3030
FWHM	45°
LENS: PMMA	
Reflector: Vacuum Aluminum Plating PC	

Firefly-Starry-10-14 IN 1-80



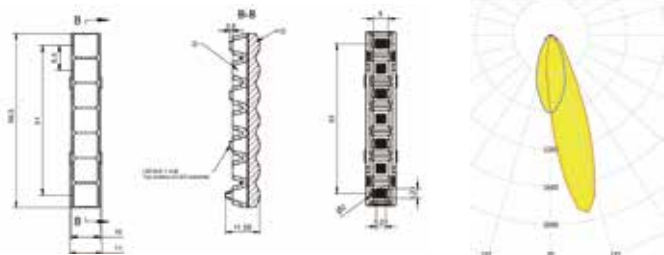
MN	1.01.44109
PN	HK-YH XK-119@12-80-3030-#0-1g-14_ASM
Dimension	118.8X11X11.59
LED	3030
FWHM	80°
LENS: PMMA	
Reflector:Vaccum Aluminum Plating PC	

Firefly-Starry-10-CRV-6 IN 1-45



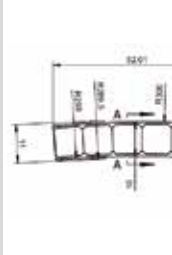
MN	1.01.44072
PN	HK-YH XK-52@12-45-3030-#0-1g-6_ASM
Dimension	59.3X11X11.59
LED	3030
FWHM	45°
LENS: PMMA	
Reflector:Vaccum Aluminum Plating PC	

Firefly-Starry-10-7 IN 1-Washing



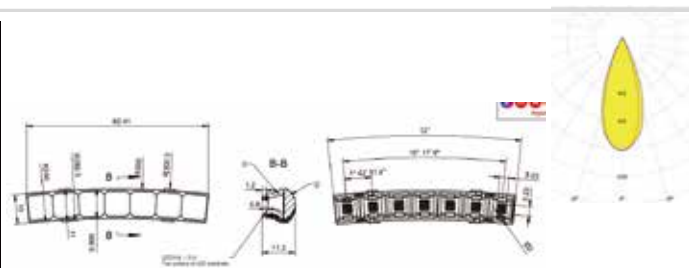
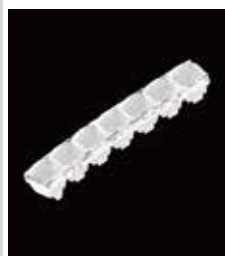
MN	1.01.44220
PN	HK-YH XK-59@09-XQ-3030-#0-1g-7_ASM
Dimension	59.3X11X11.59
LED	3030
FWHM	washing
LENS: PMMA	
Reflector:Vaccum Aluminum Plating PC	

Firefly-Starry-10-CRV-6 IN 1-80



MN	coming soon
PN	/
Dimension	59.3X11X11.59
LED	3030
FWHM	80°
LENS: PMMA	
Reflector:Vaccum Aluminum Plating PC	

Firefly-Starry-10-CRV-7 IN 1-45



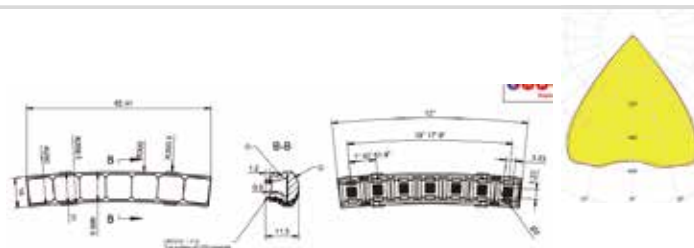
MN	1.01.44169
PN	HK-YH XK-63@12-45-3030-#0-1g-7_ASM
Dimension	118.8X11X11.59
LED	3030
FWHM	45°
LENS: PMMA	
Reflector: Vacuum Aluminum Plating PC	

- ✓ Ultra low glare
- ✓ Extremely narrow size
- ✓ High CBCP
- ✓ Mix CCT RGB



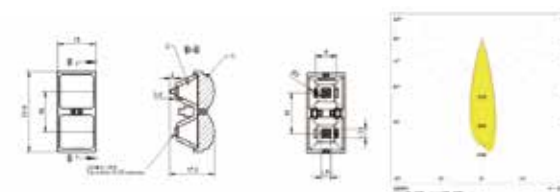
Application: Commercial lighting, Smart home lighting, Museum lighting, Office lighting

Firefly-Starry-10-7 IN 1-80



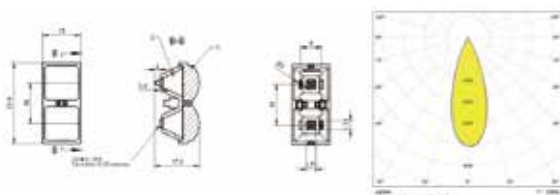
MN	1.01.44323
PN	HK-YH XK-62@12-80-3030-#0-1g-7_ASM
Dimension	118.8X11X11.59
LED	3030
FWHM	80°
LENS: PMMA	
Reflector: Vacuum Aluminum Plating PC	

Firefly-Starry-15-2 IN 1-24



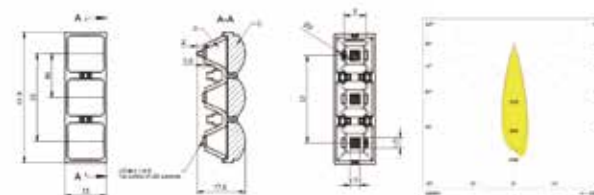
MN	1.01.33917
PN	HK-YH XK-32@17-24-3030-#0-1g-2_ASM-Y
Dimension	31.8x15x17.6
LED	3030, 3535
FWHM	24°
LENS: PMMA Reflector: Vacuum Aluminum Plating PC	
2 IN 1 Holder (1.07.43941)	

Firefly-Starry-15-2 IN 1-40



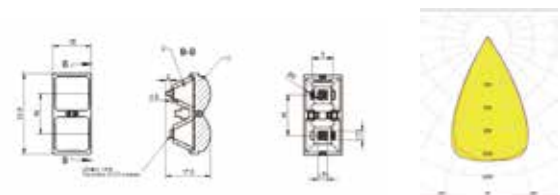
MN	1.01.33918
PN	HK-YH XK-32@17-40-3030-#0-1g-2_ASM
Dimension	31.8x15x17.6
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
2 IN 1 Holder (1.07.43941)	

Firefly-Starry-15-3 IN 1-24



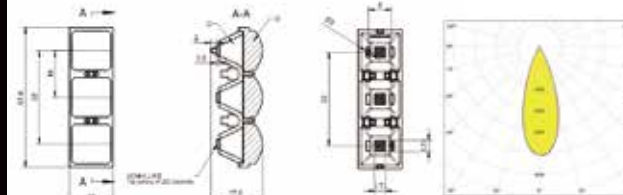
MN	1.01.33920
PN	HK-YH XK-48@17-24-3030-#0-1g-3_ASM-Y
Dimension	47.8x15x17.6
LED	3030, 3535
FWHM	24°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
3 IN 1 Holder (1.07.43942)	

Firefly-Starry-15-2 IN 1-60



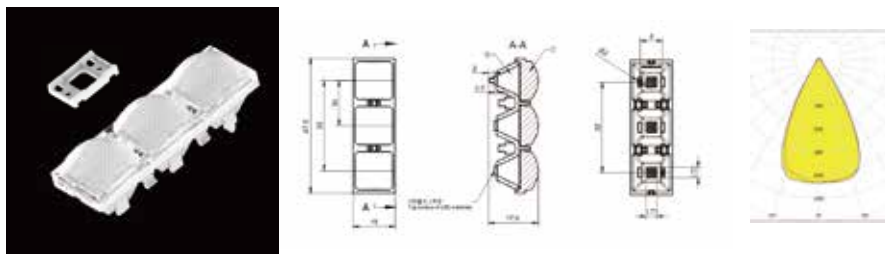
MN	1.01.33919
PN	HK-YH XK-32@17-60-3030-#0-1g-2_ASM
Dimension	31.8x15x17.6
LED	3030, 3535
FWHM	60°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
2 IN 1 Holder (1.07.43941)	

Firefly-Starry-15-3 IN 1-40



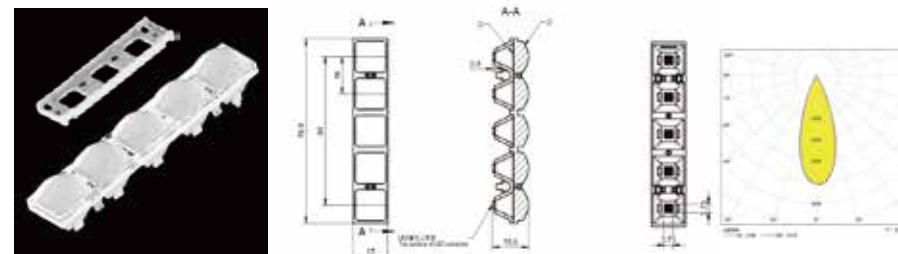
MN	1.01.33921
PN	HK-YH XK-48@17-40-3030-#0-1g-3_ASM
Dimension	47.8x15x17.6
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
3 IN 1 Holder (1.07.43942)	

Firefly-Starry-15-3 IN 1-60



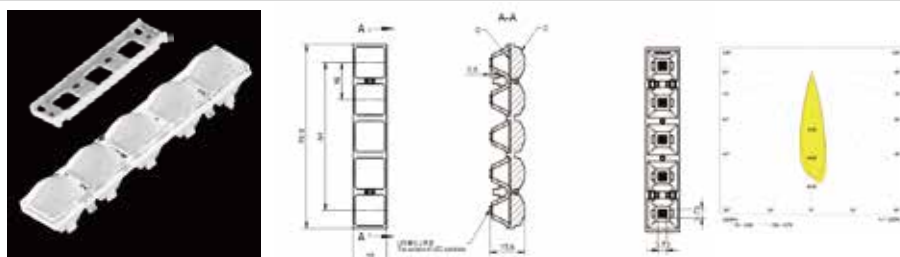
MN	1.01.33922
PN	HK-YH XK-48@17-60-3030-#0-1g-3_ASM
Dimension	47.8x15x17.6
LED	3030, 3535
FWHM	60°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
3 IN 1 Holder (1.07.43942)	

Firefly-Starry-15-5 IN 1-40



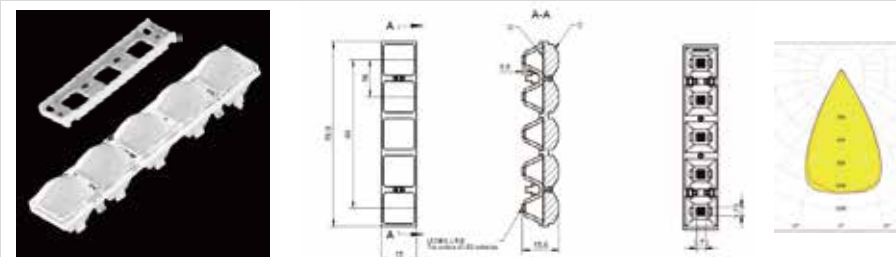
MN	1.01.33929
PN	HK-YH XK-80@17-40-3030-#0-1g-5_ASM
Dimension	79.8x15x17.6
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
5 IN1 Holder (1.07.43943)	

Firefly-Starry-15-5 IN 1-24



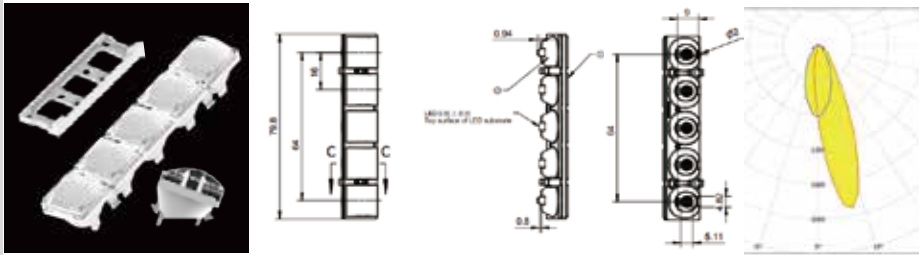
MN	1.01.33928
PN	HK-YH XK-80@17-24-3030-#0-1g-5_ASM-Y
Dimension	79.8x15x17.6
LED	3030, 3535
FWHM	24°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
5 IN1 Holder (1.07.43943)	

Firefly-Starry-15-5 IN 1-60



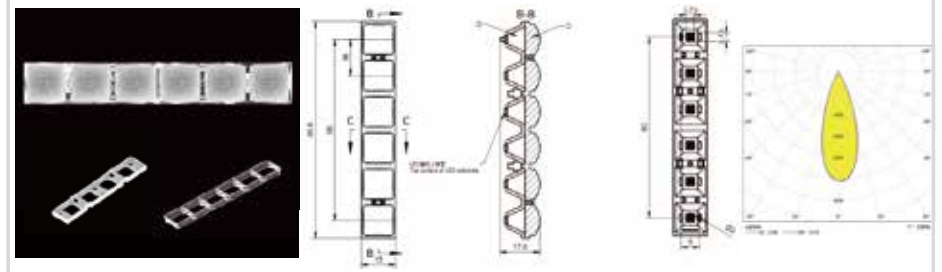
MN	1.01.33930
PN	HK-YH XK-80@17-60-3030-#0-1g-5_ASM
Dimension	79.8x15x17.6
LED	3030, 3535
FWHM	60°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
5 IN1 Holder (1.07.43943)	

Firefly-Starry-15-5 IN 1-Washing



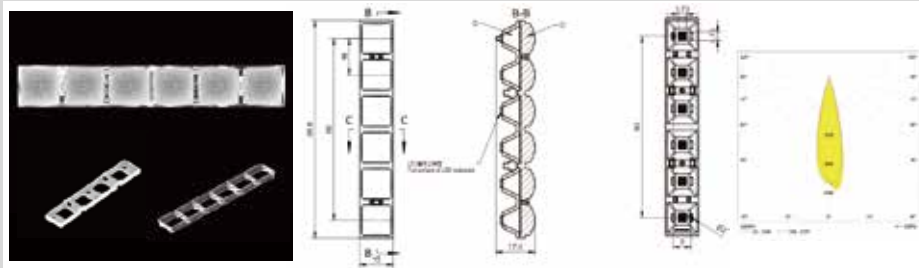
MN	1.01.44139
PN	HK-YH XK-80@13-XQ-3030-#0-1g-5_ASM
Dimension	79.8x15x13
LED	3030, 3535
FWHM	washing
LENS: PMMA	
Reflector:Vaccum Aluminum Plating PC	

Firefly-Starry-15-6 IN 1-40



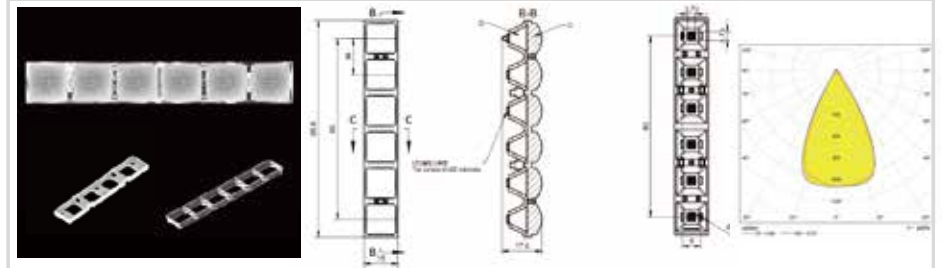
MN	1.01.33677
PN	HK-YH XK-96@17-40-3030-#0-1g-6_ASM
Dimension	95.8x15x17.6
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
6 IN1 Holder (1.07.33801) 6 IN 1 Louver (1.07.33803)	

Firefly-Starry-15-6 IN 1-24



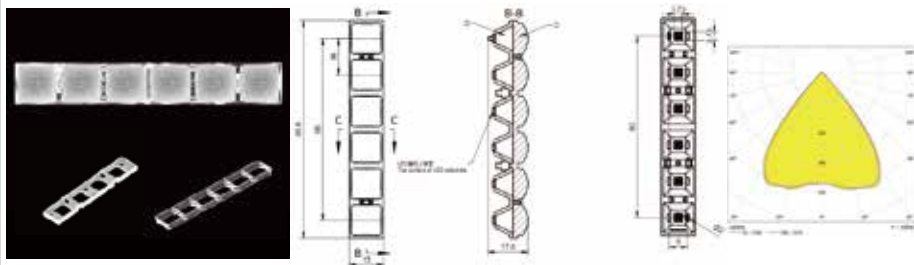
MN	1.01.33662
PN	HK-YH XK-96@17-24-3030-#0-1g-6_ASM
Dimension	95.8x15x17.6
LED	3030, 3535
FWHM	24°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
6 IN1 Holder (1.07.33801) 6 IN 1 Louver (1.07.33803)	

Firefly-Starry-15-6 IN 1-60



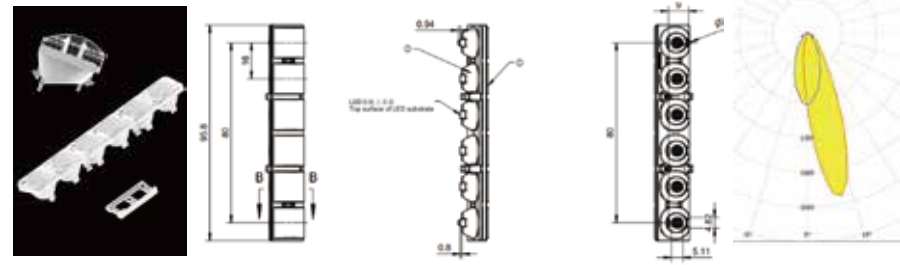
MN	1.01.33752
PN	HK-YH XK-96@17-60-3030-#0-1g-6_ASM
Dimension	95.8x15x17.6
LED	3030, 3535
FWHM	60°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
6 IN1 Holder (1.07.33801) 6 IN 1 Louver (1.07.33803)	

Firefly-Starry-15-6 IN1-80



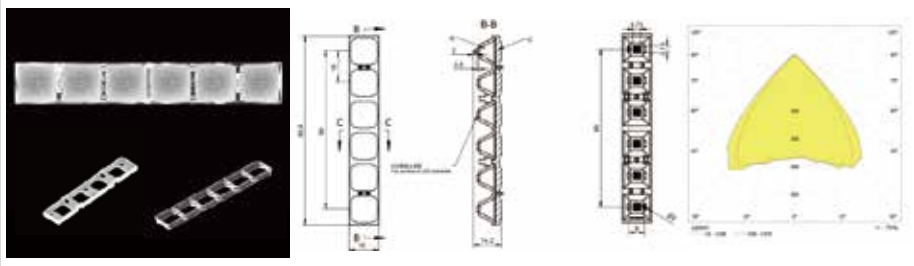
MN	1.01.44029
PN	HK-YH XK-96@16-80-3030-#0-1g-6_ASM
Dimension	95.8x15x17.6
LED	3030, 3535
FWHM	80°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
6 IN1 Holder (1.07.33801) 6 IN 1 Louver (1.07.33803)	

Firefly-Starry-15-6 IN 1-Washing



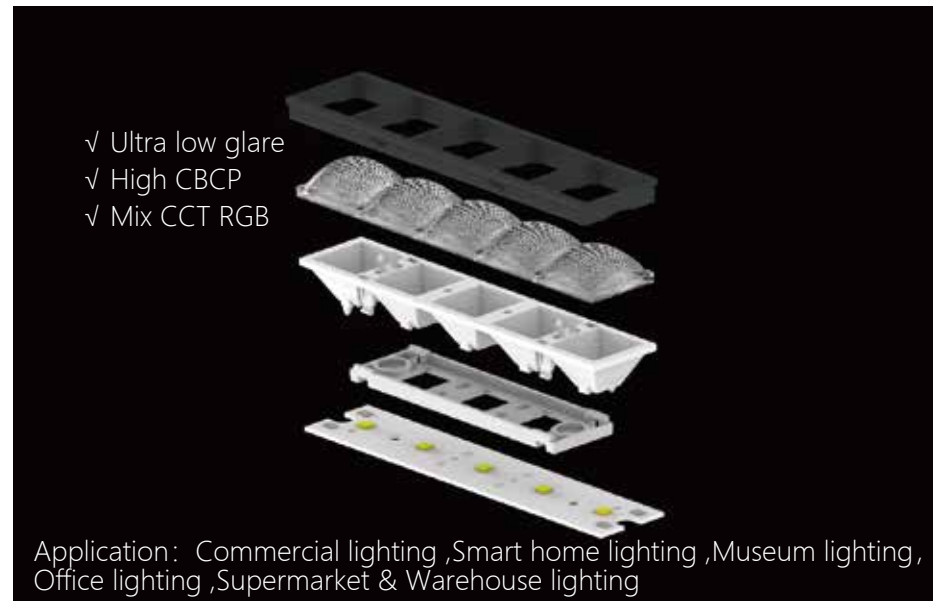
MN	1.01.44138
PN	HK-YH XK-96@13-XQ-3030-#0-1g-6_ASM
Dimension	95.8x15x12.92
LED	3030, 3535
FWHM	washing
LENS: PMMA	
Reflector:Vaccum Aluminum Plating PC	

Firefly-Starry-15-6 IN1-90

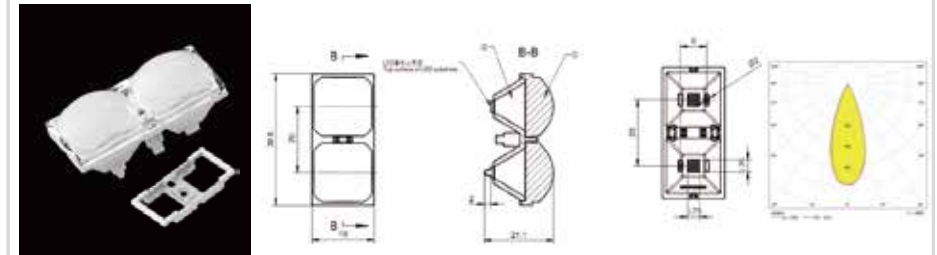


MN	1.01.44124
PN	HK-YH XK-96@14-90-3030-#0-1g-6_ASM
Dimension	95.8x15x17.6
LED	3030, 3535
FWHM	90°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
6 IN1 Holder (1.07.33801) 6 IN 1 Louver (1.07.33803)	

Firefly-Starry-19

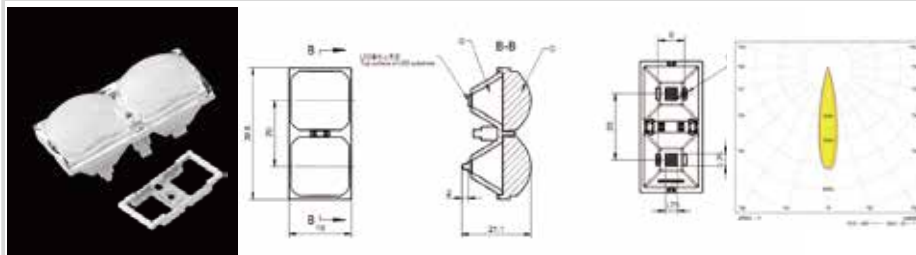


Firefly-Starry-19-2 IN 1-40



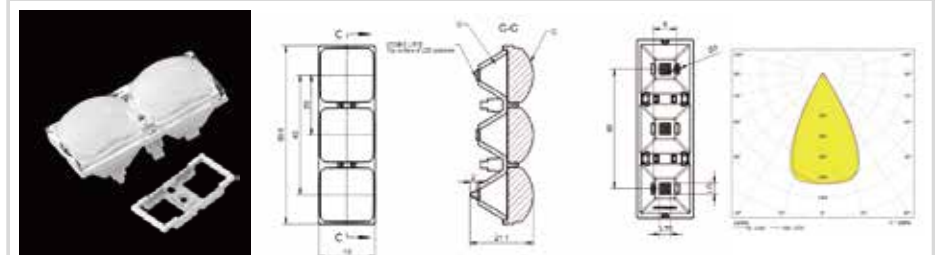
MN	1.01.33857
PN	HK-YH XK-40@21-40-3030-#0-1g-2_ASM
Dimension	39.8x19x21.1
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
2 IN1 Holder (1.07.43944)	

Firefly-Starry-19-2 IN 1-20



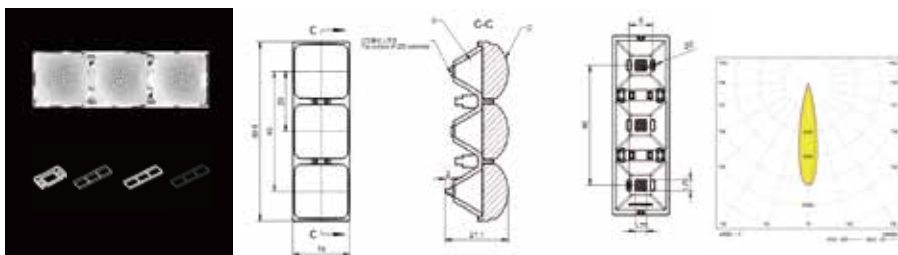
MN	1.01.33856
PN	HK-YH XK-40@21-20-3030-#0-1g-2_ASM-F
Dimension	39.8x19x21.1
LED	3030, 3535
FWHM	20°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
2 IN1 Holder (1.07.43944)	

Firefly-Starry-19-2 IN 1-60



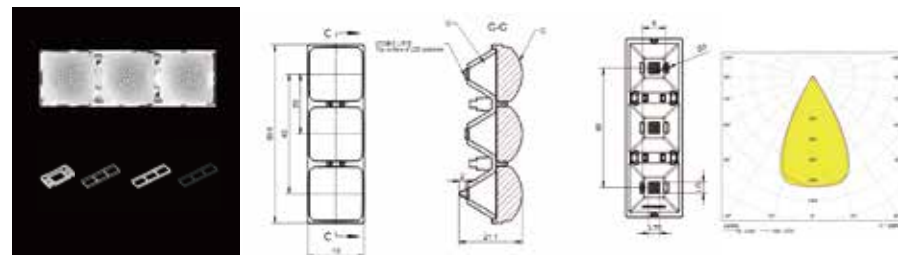
MN	1.01.33858
PN	HK-YH XK-40@21-60-3030-#0-1g-2_ASM
Dimension	39.8x19x21.1
LED	3030, 3535
FWHM	60°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
2 IN1 Holder (1.07.43944)	

Firefly-Starry-19-3 IN 1-20



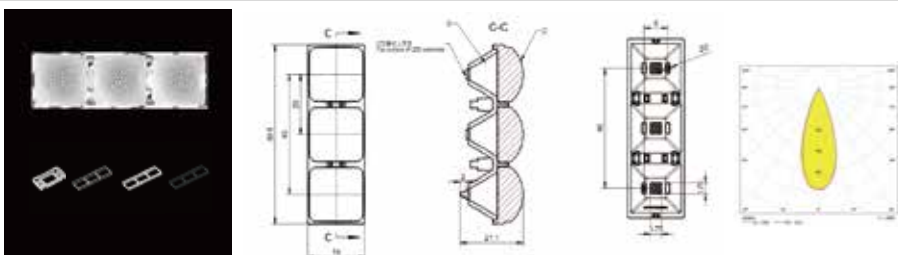
MN	1.01.33859
PN	HK-YH XK-60@21-20-3030-#0-1g-3_ASM-F
Dimension	59.8x19x21.1
LED	3030, 3535
FWHM	20°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
3 IN1 Holder (1.07.43945) 3 IN 1 Louver (1.07.44046)	

Firefly-Starry-19-3 IN 1-60



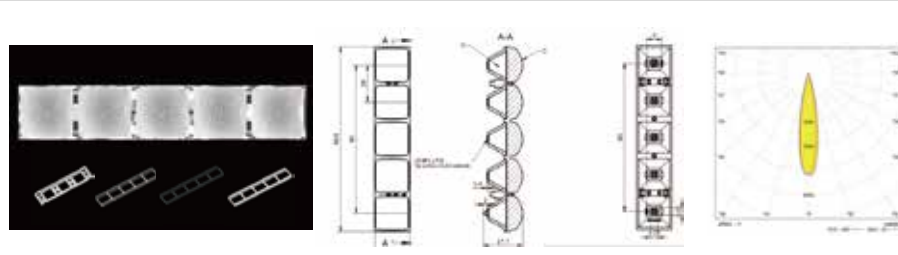
MN	1.01.33861
PN	HK-YH XK-60@21-60-3030-#0-1g-3_ASM
Dimension	59.8x19x21.1
LED	3030, 3535
FWHM	60°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
3 IN1 Holder (1.07.43945) 3 IN 1 Louver (1.07.44046)	

Firefly-Starry-19-3 IN 1-40



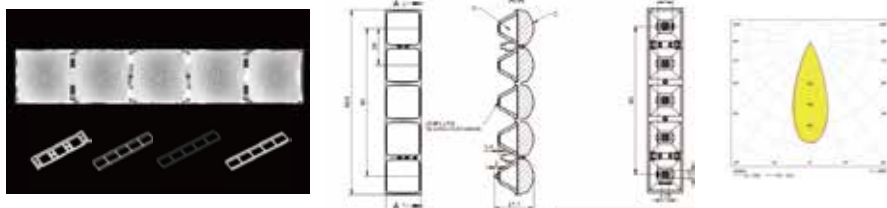
MN	1.01.33860
PN	HK-YH XK-60@21-40-3030-#0-1g-3_ASM
Dimension	59.8x19x21.1
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
3 IN1 Holder (1.07.43945) 3 IN 1 Louver (1.07.44046)	

Firefly-Starry-19-5 IN 1-20



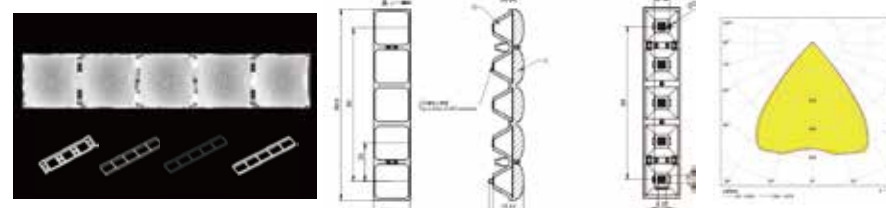
MN	1.02.33619
PN	HK-YH XK-100@20-20-3030-#0-1g-5_ASM
Dimension	99.8x19x21.1
LED	3030, 3535
FWHM	20°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
5 IN1 Holder (1.07.33760) 5 IN 1 Louver (1.07.33852)	

Firefly-Starry-19-5 IN 1-40



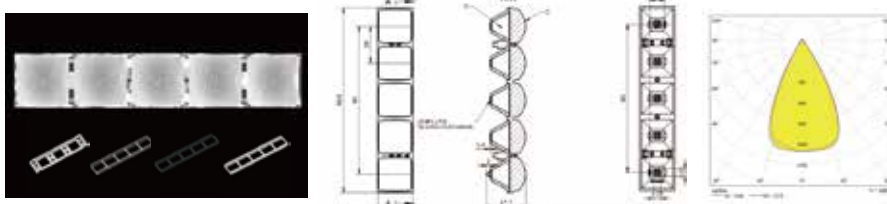
MN	1.02.33720
PN	HK-YH XK-100@18-40-3030-#0-1g-5_ASM
Dimension	99.8x19x21.1
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
5 IN1 Holder (1.07.33760) 5 IN 1 Louver (1.07.33852)	

Firefly-Starry-19-5 IN1-80



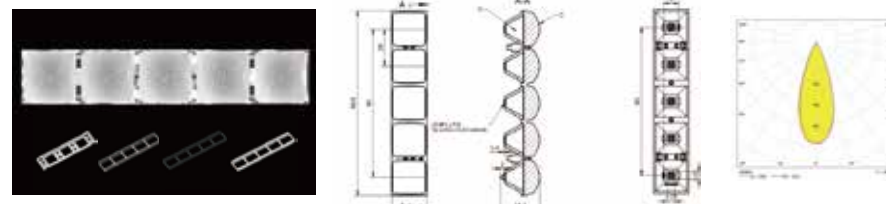
MN	1.01.33886
PN	HK-YH XK-100@18-80-3030-#0-1g-5_ASM
Dimension	99.8x19x18.31
LED	3030, 3535
FWHM	80°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
5 IN1 Holder (1.07.33760) 5 IN 1 Louver (1.07.33852)	

Firefly-Starry-19-5 IN 1-60



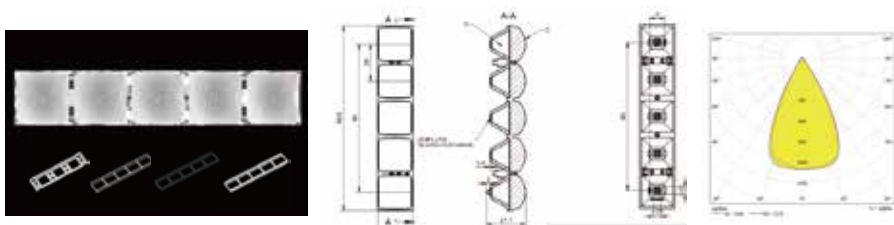
MN	1.02.33746
PN	HK-YH XK-100@20-60-3030-#0-1g-5_ASM
Dimension	99.8x19x21.1
LED	3030, 3535
FWHM	60°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
5 IN1 Holder (1.07.33760) 5 IN 1 Louver (1.07.33852)	

Firefly-Starry-19-5 IN 1-40 (2x3030)



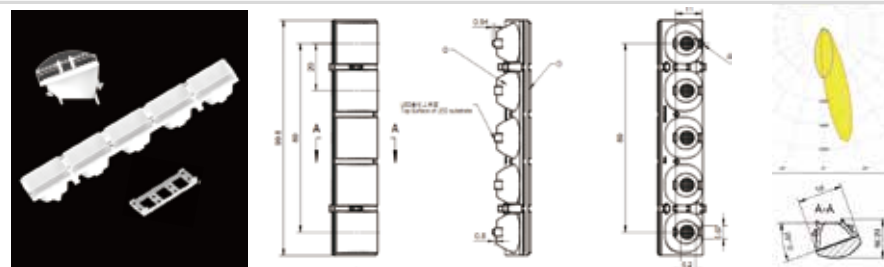
MN	1.02.33720_2K
PN	HK-YH XK-100@18-40-2X3030-#0-1g-5_ASM_2K
Dimension	99.8x19x21.1
LED	2x3030, 2x3535
FWHM	40°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
5 IN1 Holder (1.07.33760) 5 IN 1 Louver (1.07.33852)	

Firefly-Starry-19-5 IN 1-60 (2x3030)



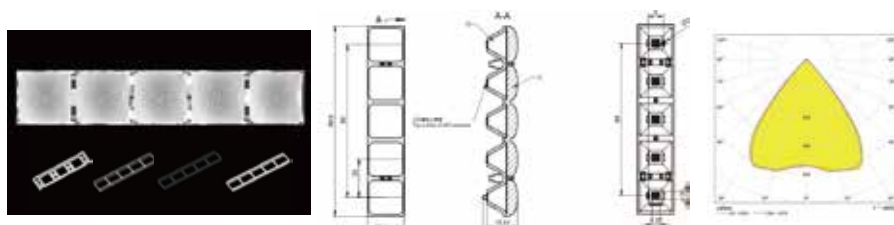
MN	1.02.33746_2K
PN	HK-YH XK-100@20-60-2X3030-#0-1g-5_ASM_2K
Dimension	99.8x19x21.1
LED	2x3030, 2x3535
FWHM	60°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
5 IN1 Holder (1.07.33760) 5 IN 1 Louver (1.07.33852)	

Firefly-Starry-19-5 IN 1-Washing



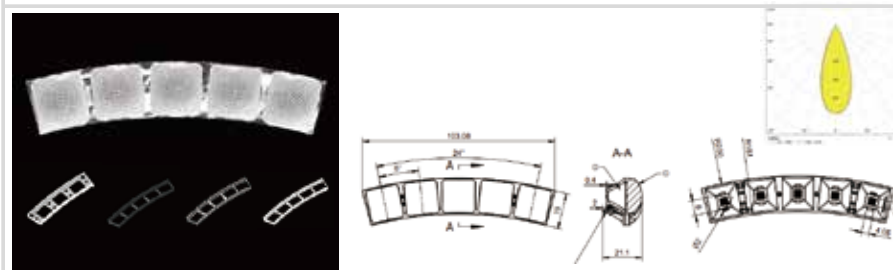
MN	1.01.44073
PN	HK-YH XK-100@17-XQ-3030-#0-1g-5_ASM-2
Dimension	99.8x19x16.29
LED	3030, 3535
FWHM	washing
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
5 IN1 Holder (1.07.44082)	

Firefly-Starry-19-5 IN1-80 (2x3030)



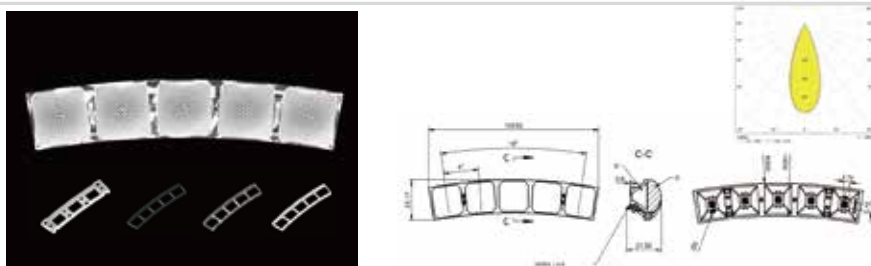
MN	1.01.33886_2K
PN	HK-YH XK-100@18-80-3030-#0-1g-5_ASM_2K
Dimension	99.8x19x18.31
LED	2x3030, 2x3535
FWHM	80°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
5 IN1 Holder (1.07.33760) 5 IN 1 Louver (1.07.33852)	

Firefly-Starry-19-5 IN 1-R200-40°



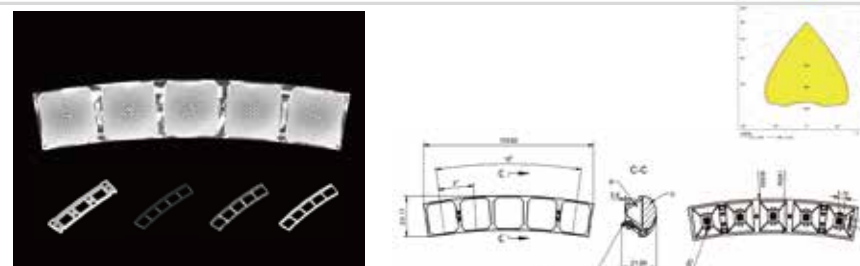
MN	1.01.44153
PN	HK-YH XK-103@21-40-3030-#0-1g-5_ASM
Dimension	103.08x19x21.1
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
5 IN1 Holder (1.07.44154) 5 IN 1 Louver (1.07.44155)	

Firefly-Starry-19-5 IN 1-R300-40°



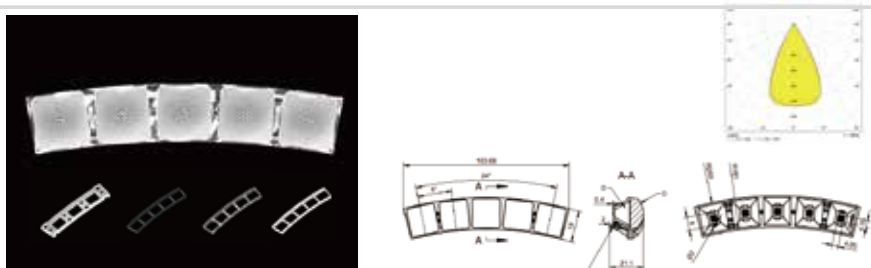
MN	1.01.33823
PN	HK-YHXC-104@21-40-3030-#0-1g-5_ASM
Dimension	103.82X23.17X21.09
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
6 IN1 Holder (1.07.33824) 6 IN 1 Louver (1.07.33902)	

Firefly-Starry-19-5 IN 1-R300-80°



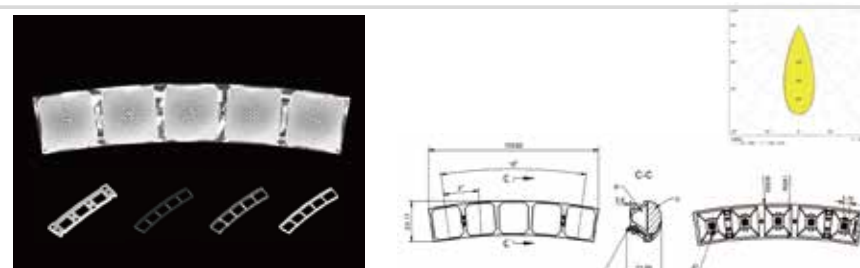
MN	1.01.44319
PN	HK-YHXC-104@18-80-3030-#0-1g-5_ASM
Dimension	103.82X23.17X21.09
LED	3030, 3535
FWHM	80°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
6 IN1 Holder (1.07.33824) 6 IN 1 Louver (1.07.33902)	

Firefly-Starry-19-5 IN 1-R300-60°



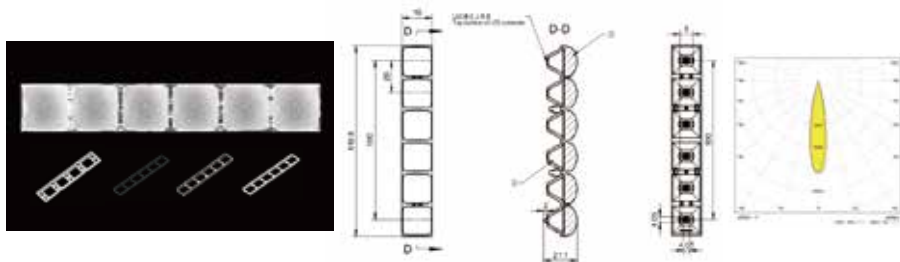
MN	1.01.44318
PN	HK-YHXC-104@21-60-3030-#0-1g-5_ASM
Dimension	103.08x19x21.1
LED	3030, 3535
FWHM	60°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
6 IN1 Holder (1.07.33824) 6 IN 1 Louver (1.07.33902)	

Firefly-Starry-19-5 IN 1-R400-40°



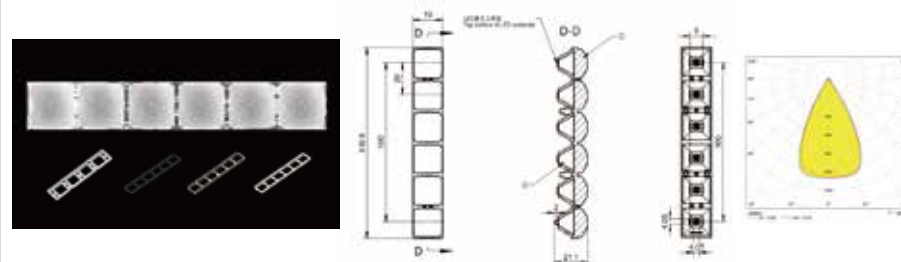
MN	1.01.44179
PN	HK-YHXC-104@21-40-3030-#0-1g-5_ASM
Dimension	104.09x19x21.1
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
6 IN1 Holder (1.07.44180) 6 IN 1 Louver (1.07.44181)	

Firefly-Starry-19-6 IN 1-20



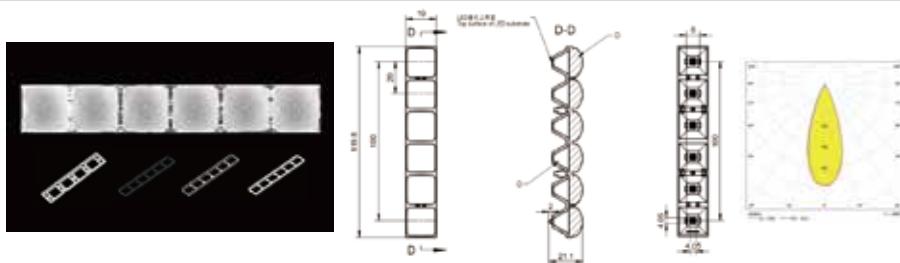
MN	1.01.43998
PN	HK-YH XK-120@21-20-3030-#0-1g-6_ASM-F
Dimension	119.8x19x21.1
LED	3030, 3535
FWHM	20°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
6 IN1 Holder (1.07.44000) 6 IN 1 Louver (1.07.44001)	

Firefly-Starry-19-6 IN 1-60



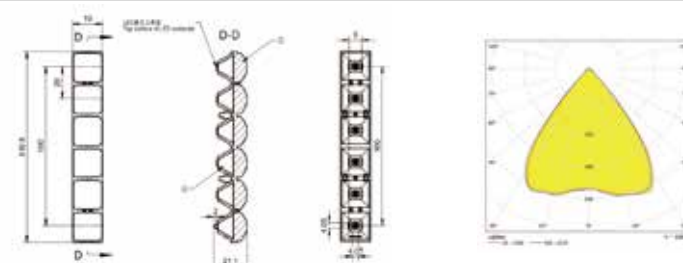
MN	1.01.44004
PN	HK-YH XK-120@21-60-3030-#0-1g-6_ASM
Dimension	119.8x19x21.1
LED	3030, 3535
FWHM	60°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
6 IN1 Holder (1.07.44000) 6 IN 1 Louver (1.07.44001)	

Firefly-Starry-19-6 IN 1-40



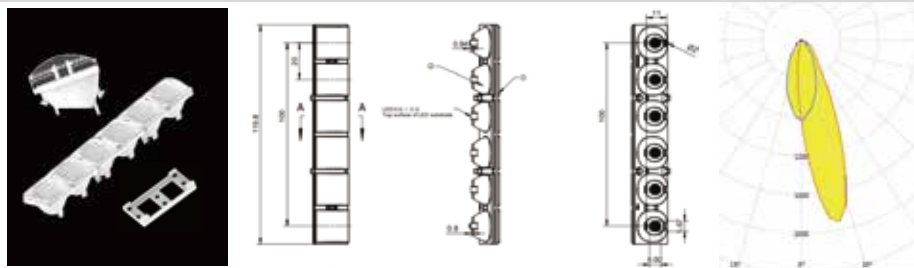
MN	1.01.43999
PN	HK-YH XK-120@21-40-3030-#0-1g-6_AS
Dimension	119.8x19x21.1
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
6 IN1 Holder (1.07.44000) 6 IN 1 Louver (1.07.44001)	

Firefly-Starry-19-6 IN1-80



MN	coming soon
PN	/
Dimension	/
LED	3030, 3535
FWHM	80°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
6 IN1 Holder (1.07.44000) 6 IN 1 Louver (1.07.44001)	

Firefly-Starry-19-6 IN 1-Washing



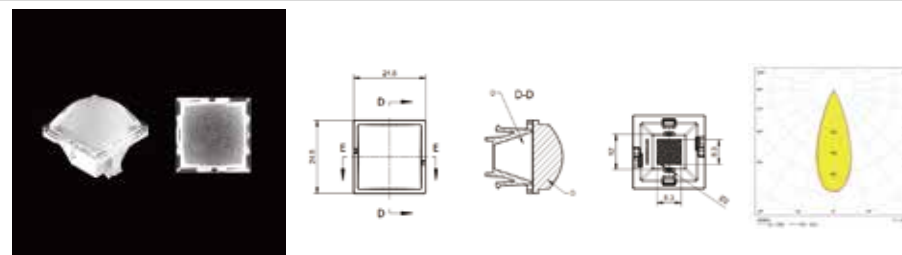
MN	1.01.44115
PN	HK-YH XK-120@17-XQ-3030-#0-1g-6_ASM
Dimension	119.8x19x16.29
LED	3030, 3535
FWHM	washing
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
6 IN1 Holder (1.07.44131)	

- ✓ Ultra low glare
- ✓ High CBCP
- ✓ Mix CCT RGB



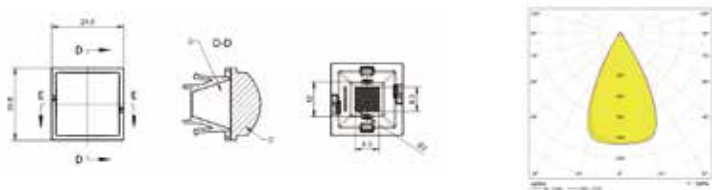
Application: Commercial lighting ,Smart home lighting ,Museum lighting ,Office lighting ,Supermarket & Warehouse lighting

Firefly-Starry-25-1 IN 1-40



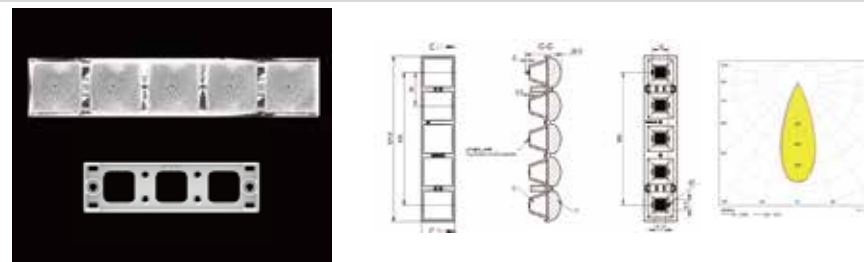
MN	1.01.44026
PN	HK-YH XK-25@27-40-4X3030-#0-1g-1_ASM
Dimension	24.8x24.8x26.5
LED	3030, 3535
FWHM	40°
LENS: PMMA	
Reflector:Vaccum Aluminum Plating PC	

Firefly-Starry-25-1 IN 1-60



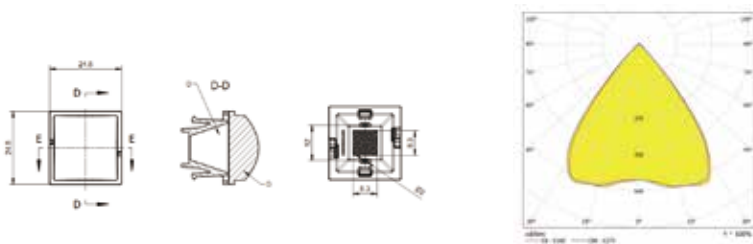
MN	coming soon
PN	/
Dimension	/
LED	3030, 3535
FWHM	60°
LENS: PMMA	
Reflector:Vaccum Aluminum Plating PC	

Firefly-Starry-25-5 IN 1-40



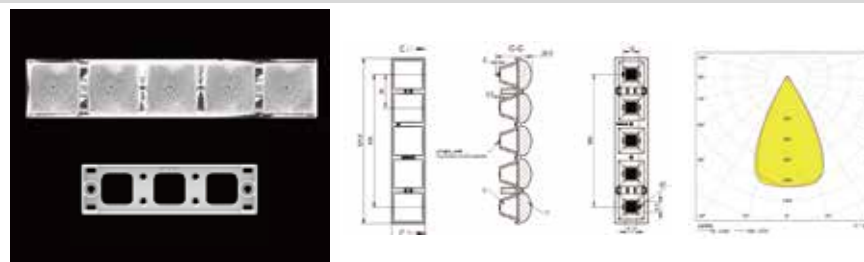
MN	1.01.44019
PN	HK-YHXC-125@27-40-4X3030-#0-1g-5_ASM
Dimension	124.8x25x26.5
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
5 IN1 Holder (1.07.33833)	

Firefly-Starry-25-1 IN 1-80



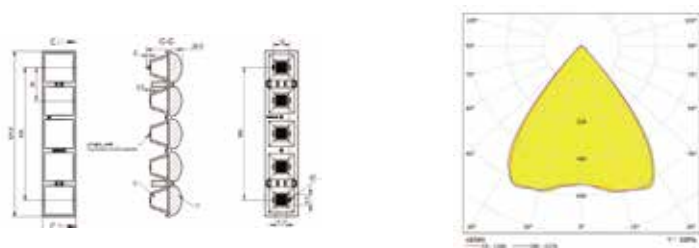
MN	coming soon
PN	/
Dimension	/
LED	3030, 3535
FWHM	80°
LENS: PMMA	
Reflector:Vaccum Aluminum Plating PC	

Firefly-Starry-25-5 IN 1-60



MN	1.01.33832
PN	HK-YHXC-125@27-60-4X3030-#0-1g-5_ASM
Dimension	124.8x25x26.5
LED	3030, 3535
FWHM	60°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
5 IN1 Holder (1.07.33833)	

Firefly-Starry-25-5 IN 1-80



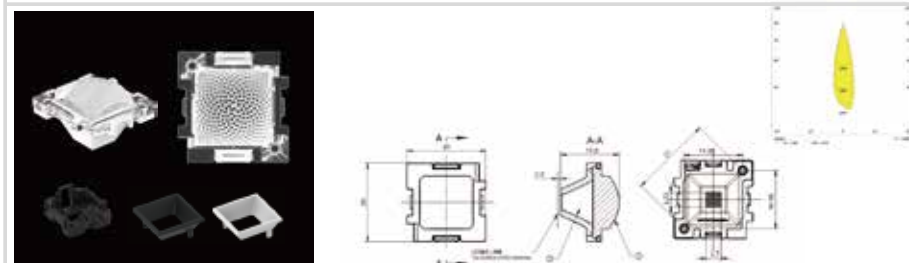
MN	coming soon
PN	/
Dimension	/
LED	3030, 3535
FWHM	80°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
5 IN1 Holder (1.07.33833)	

- ✓ Ultra low glare
- ✓ High CBCP
- ✓ Mix CCT RGB



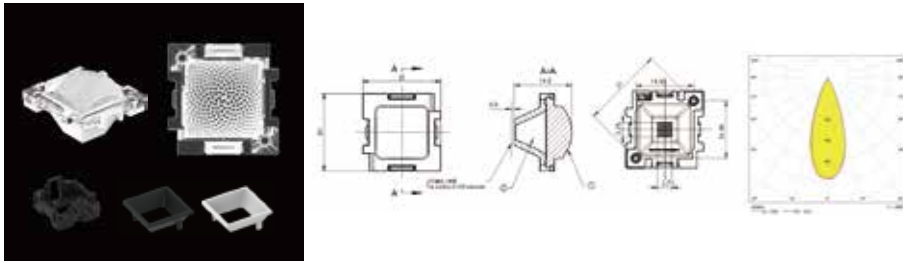
Application: Commercial lighting ,Smart home lighting ,Museum lighting ,Office lighting ,Supermarket & Warehouse lighting

Firefly-Starry-25G-1 IN 1-24



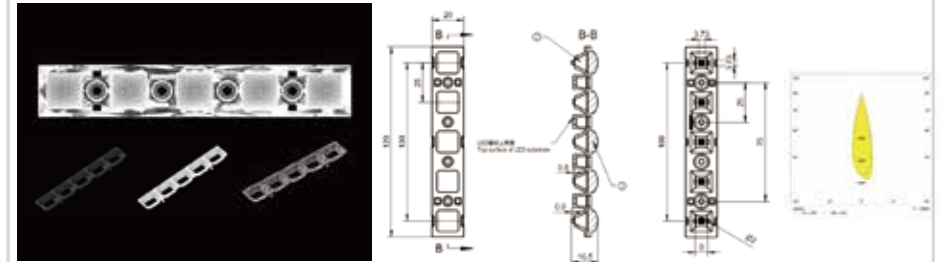
MN	1.01.43958
PN	HK-YHXK-20@15-24-3030-#0-1g-1_ASM-Y
Dimension	20x20x14.8
LED	3030, 3535
FWHM	24°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
1 IN 1 Holder (1.07.43962) 1 IN 1 Louver (1.07.43961)	

Firefly-Starry-25G-1 IN 1-40



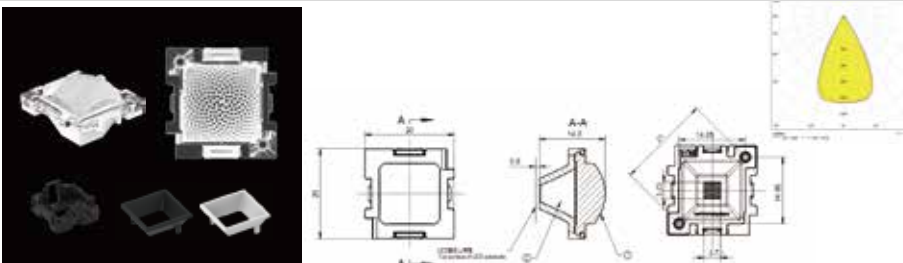
MN	1.01.43959
PN	HK-YH XK-20@15-40-3030-#0-1g-1_ASM
Dimension	20x20x14.8
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
1 IN 1 Holder (1.07.43962) 1 IN 1 Louver (1.07.43961)	

Firefly-Starry-25G-5 IN 1-24



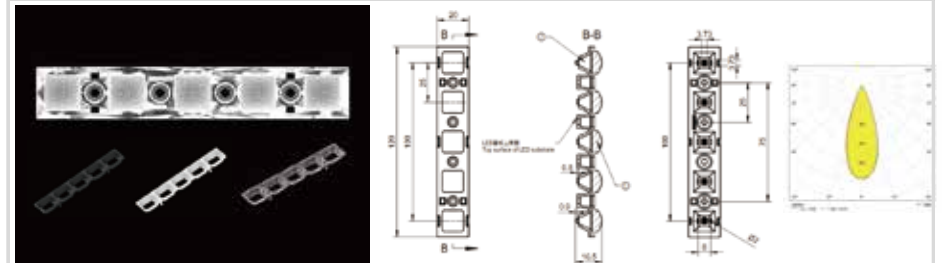
MN	1.01.44039
PN	HK-YH XK-120@17-24-3030-#0-1g-5_ASM-Y
Dimension	120x20x16.5
LED	3030, 3535
FWHM	24°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
5 IN1 Louver (1.07.44085)	

Firefly-Starry-25G-1 IN 1-60



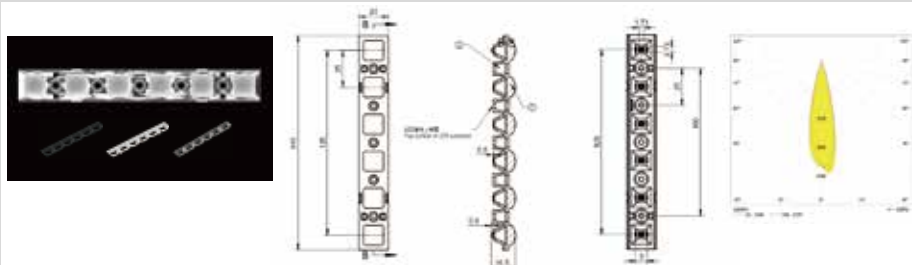
MN	1.01.43960
PN	HK-YH XK-20@15-60-3030-#0-1g-1_ASM
Dimension	20x20x14.8
LED	3030, 3535
FWHM	60°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
1 IN 1 Holder (1.07.43962) 1 IN 1 Louver (1.07.43961)	

Firefly-Starry-25G-5 IN 1-40



MN	1.01.44040
PN	HK-YH XK-120@17-40-3030-#0-1g-5_ASM
Dimension	120x20x16.5
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
5 IN1 Louver (1.07.44085)	

Firefly-Starry-25G-6 IN 1-24



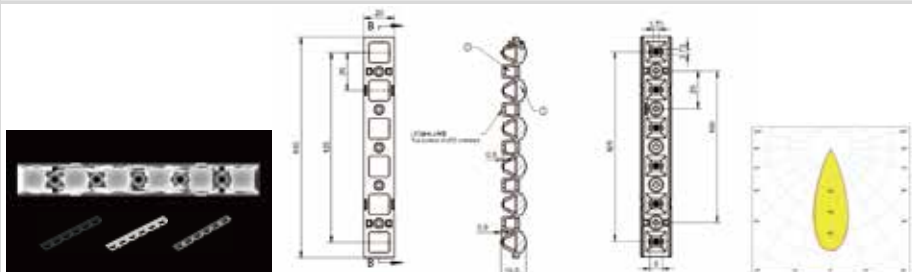
MN	1.01.44245
PN	HK-YH XK-145@17-24-3030-#0-1g-6_ASM_Y
Dimension	145x20x16.5
LED	3030, 3535
FWHM	24°
LENS: PMMA Reflector: Vacuum Aluminum Plating PC	
6 IN 1 Louver (1.07.44248)	

- ✓ Ultra low glare
- ✓ High CBCP
- ✓ Mix CCT RGB



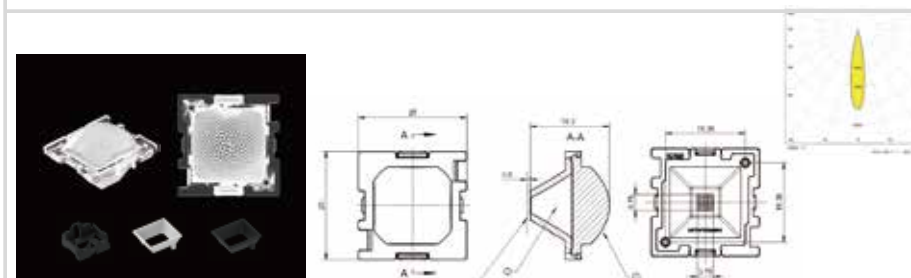
Application: Commercial lighting, Smart home lighting, Museum lighting, Office lighting, Supermarket & Warehouse lighting

Firefly-Starry-25G-6 IN 1-40



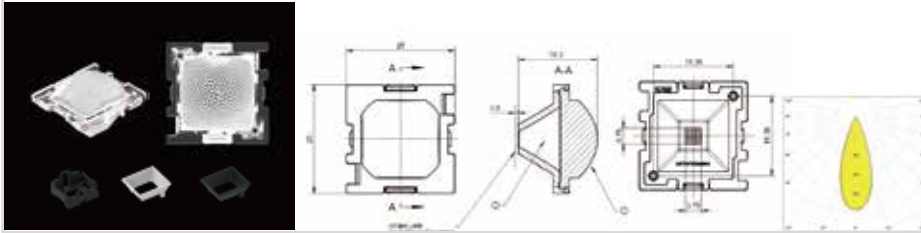
MN	1.01.44246
PN	HK-YH XK-145@17-40-3030-#0-1g-6_ASM
Dimension	145x20x16.5
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector: Vacuum Aluminum Plating PC	
6 IN 1 Louver (1.07.44248)	

Firefly-Starry-30G-1 IN 1-20



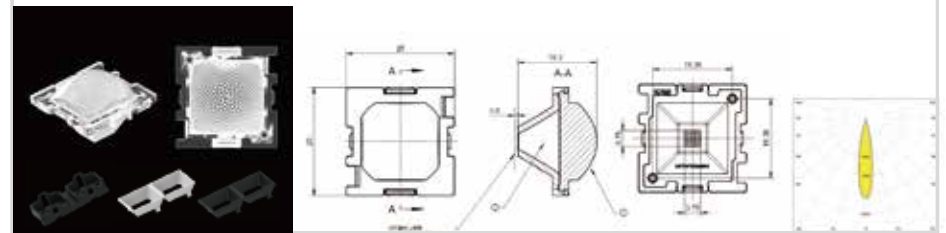
MN	1.01.33766
PN	HK-YH XK-25@19-20-3030-#0-1g-1_ASM-F
Dimension	25x25x18.3
LED	3030, 3535
FWHM	20°
LENS: PMMA Reflector: Vacuum Aluminum Plating PC	
1 IN 1 Holder (1.07.33767) 1 IN 1 Louver (1.07.33777)	

Firefly-Starry-30G-1 IN 1-40



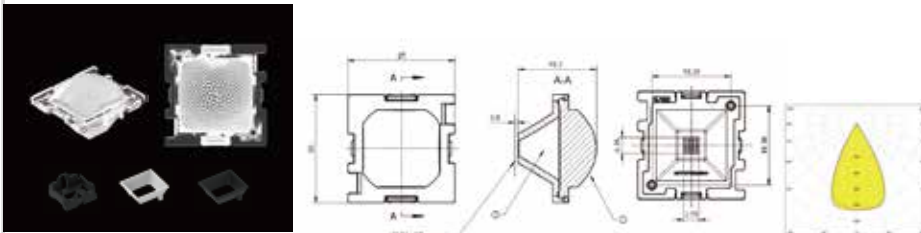
MN	1.01.33866
PN	HK-YH XK-25@19-40-3030-#0-1g-1_ASM
Dimension	25x25x18.3
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
1 IN 1 Holder (1.07.33767) 1 IN 1 Louver (1.07.33777)	

Firefly-Starry-30G-2 IN 1-20



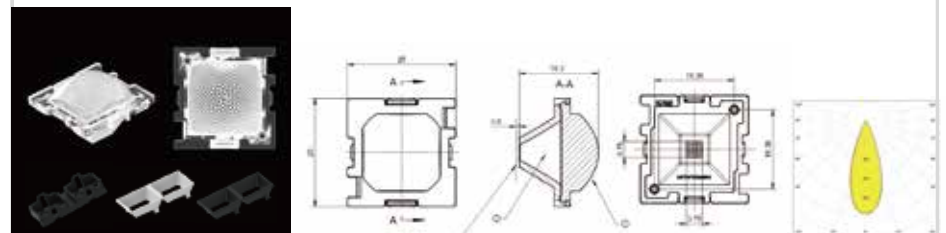
MN	1.01.33766
PN	HK-YH XK-25@19-20-3030-#0-1g-1_ASM-F
Dimension	25x25x18.3
LED	3030, 3535
FWHM	20°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
2 IN 1 Holder (1.07.33788) 2 IN 1 Louver (1.07.33787)	

Firefly-Starry-30G-1 IN 1-60



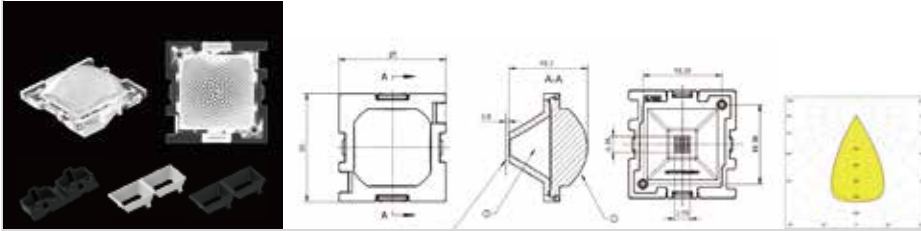
MN	1.01.33867
PN	HK-YH XK-25@19-60-3030-#0-1g-1_ASM
Dimension	25x25x18.3
LED	3030, 3535
FWHM	60°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
1 IN 1 Holder (1.07.33767) 1 IN 1 Louver (1.07.33777)	

Firefly-Starry-30G-2 IN 1-40



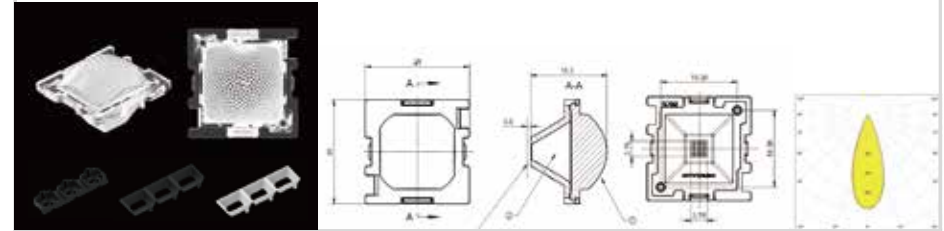
MN	1.01.33866
PN	HK-YH XK-25@19-40-3030-#0-1g-1_ASM
Dimension	25x25x18.3
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
2 IN 1 Holder (1.07.33788) 2 IN 1 Louver (1.07.33787)	

Firefly-Starry-30G-2 IN 1-60



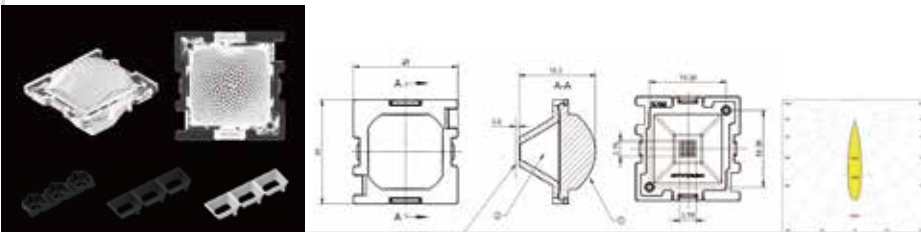
MN	1.01.33867
PN	HK-YH XK-25@19-60-3030-#0-1g-1_ASM
Dimension	25x25x18.3
LED	3030, 3535
FWHM	60°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
2 IN 1 Holder (1.07.33788) 2 IN 1 Louver (1.07.33787)	

Firefly-Starry-30G-3 IN 1-40



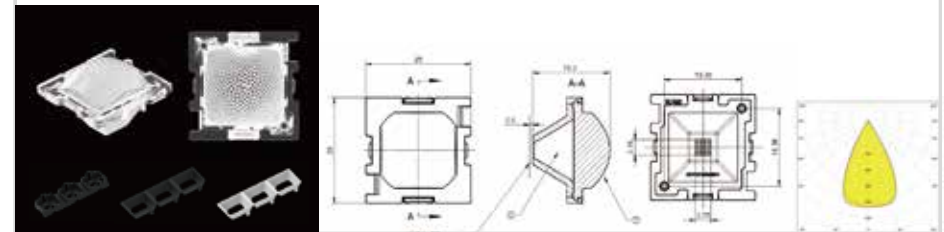
MN	1.01.33866
PN	HK-YH XK-25@19-40-3030-#0-1g-1_ASM
Dimension	25x25x18.3
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
3 IN 1 Holder (1.07.33790) 3 IN 1 Louver (1.07.33789)	

Firefly-Starry-30G-3 IN 1-20



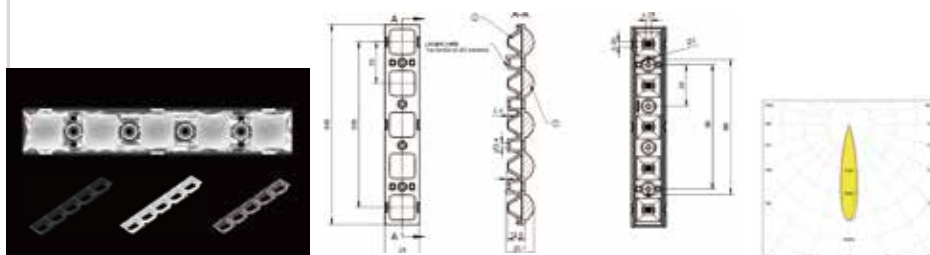
MN	1.01.33766
PN	HK-YH XK-25@19-20-3030-#0-1g-1_ASM-F
Dimension	25x25x18.3
LED	3030, 3535
FWHM	20°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
3 IN 1 Holder (1.07.33790) 3 IN 1 Louver (1.07.33789)	

Firefly-Starry-30G-3 IN 1-60



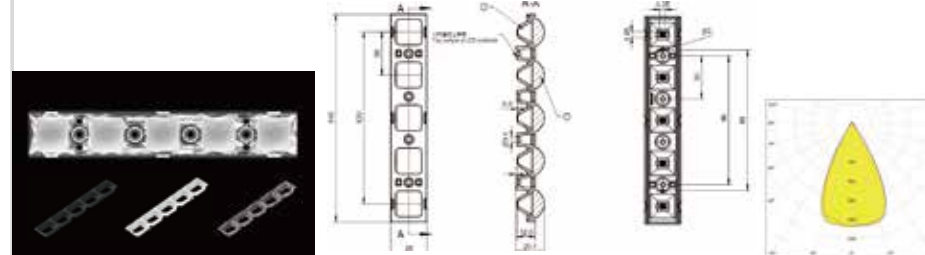
MN	1.01.33867
PN	HK-YH XK-25@19-60-3030-#0-1g-1_ASM
Dimension	25x25x18.3
LED	3030, 3535
FWHM	60°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
3 IN 1 Holder (1.07.33790) 3 IN 1 Louver (1.07.33789)	

Firefly-Starry-30G-5 IN 1-20



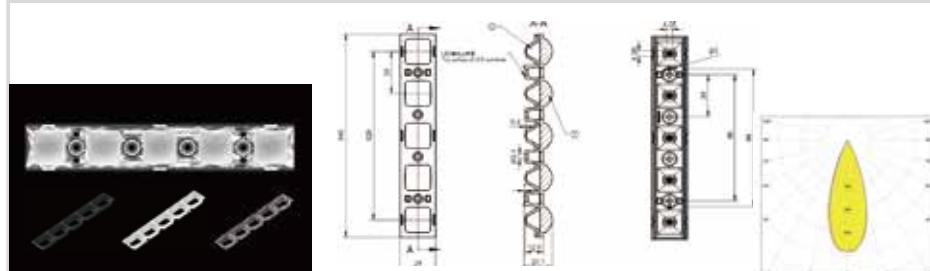
MN	1.01.44201
PN	HK-YH XK-145@20-20-3030-#0-1g-5_ASM-F
Dimension	145x25x20.1
LED	3030, 3535
FWHM	20°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
5 IN 1 Louver (1.07.44209)	

Firefly-Starry-30G-5 IN 1-60



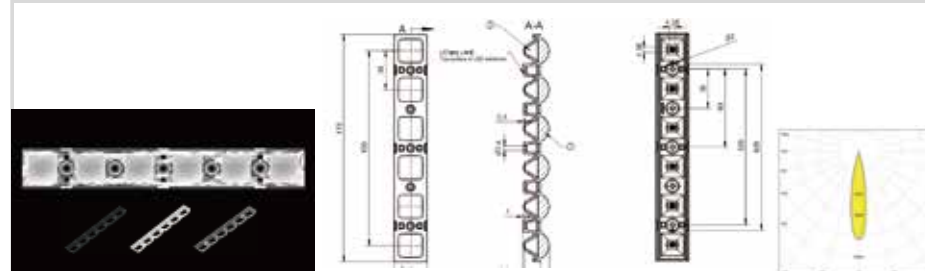
MN	1.01.44203
PN	HK-YH XK-145@20-60-3030-#0-1g-5_ASM
Dimension	145x25x20.1
LED	3030, 3535
FWHM	60°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
5 IN 1 Louver (1.07.44209)	

Firefly-Starry-30G-5 IN 1-40



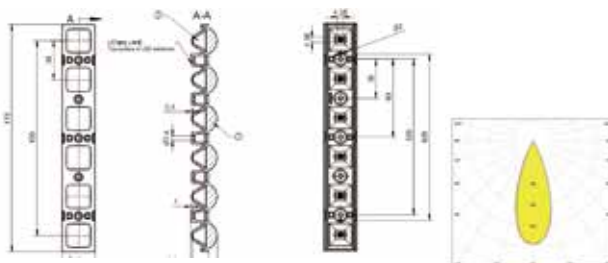
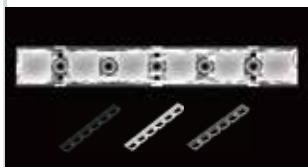
MN	1.01.44202
PN	HK-YH XK-145@20-40-3030-#0-1g-5_ASM
Dimension	145x25x20.1
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
5 IN 1 Louver (1.07.44209)	

Firefly-Starry-30G-6 IN 1-20



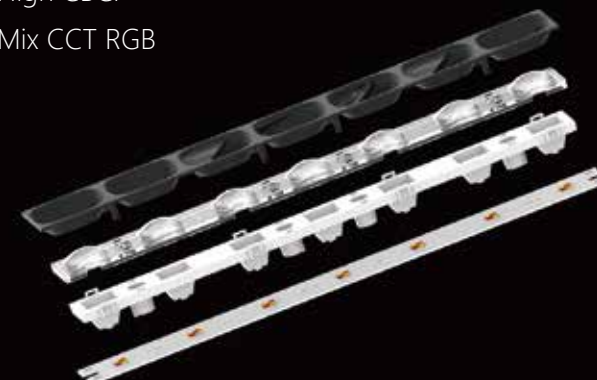
MN	1.01.44204
PN	HK-YH XK-175@20-20-3030-#0-1g-6_ASM-F
Dimension	175x25x20.1
LED	3030, 3535
FWHM	20°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
6 IN 1 Louver (1.01.44227)	

Firefly-Starry-30G-6 IN 1-40



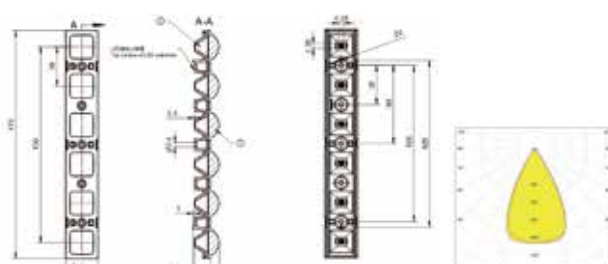
MN	1.01.44205
PN	HK-YH XK-175@20-40-3030-#0-1g-6_ASM
Dimension	175x25x20.1
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector: Vacuum Aluminum Plating PC	
6 IN 1 Louver (1.01.44227)	

- ✓ Ultra low glare
- ✓ High CBCP
- ✓ Mix CCT RGB



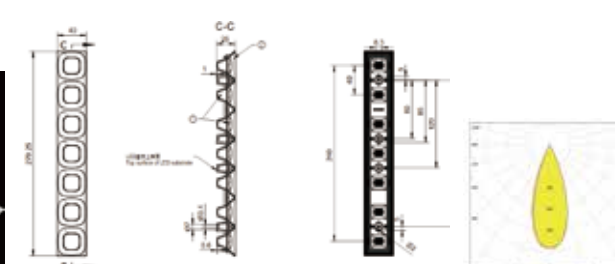
Application: Commercial lighting, Smart home lighting, Museum lighting, Office lighting, Supermarket & Warehouse lighting

Firefly-Starry-30G-6 IN 1-60



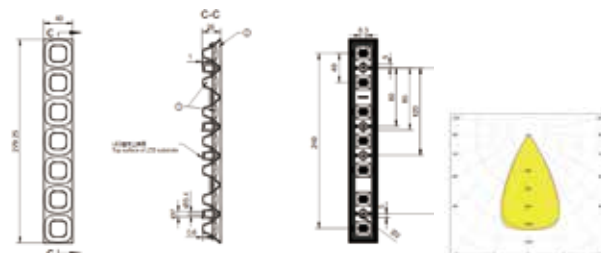
MN	1.01.44206
PN	HK-YH XK-175@20-60-3030-#0-1g-6_ASM
Dimension	175x25x20.1
LED	3030, 3535
FWHM	60°
LENS: PMMA Reflector: Vacuum Aluminum Plating PC	
6 IN 1 Louver (1.01.44227)	

Firefly-Starry-40G-7 IN 1-40



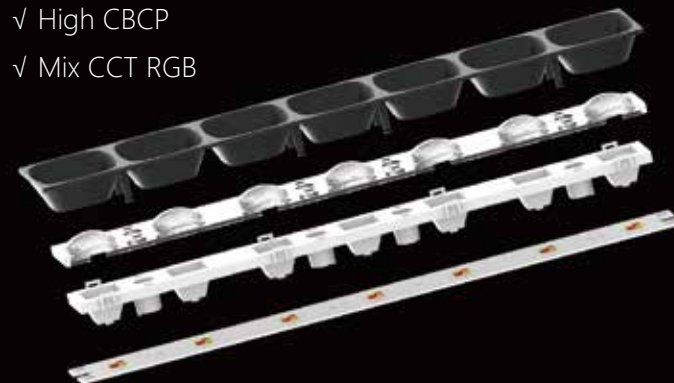
MN	1.01.44268
PN	HK-YH XK-270@23-40-4X3030-#0-1g-7_ASM
Dimension	270x30x23
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector: Vacuum Aluminum Plating PC	
7 IN 1 Louver (1.07.44086)	

Firefly-Starry-40G-7 IN 1-60



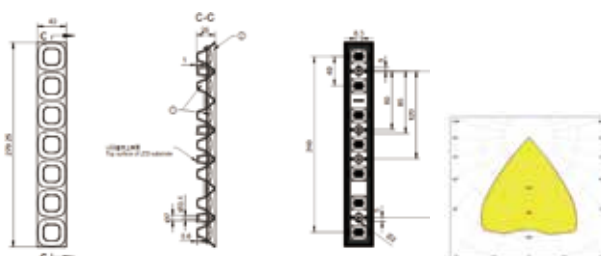
MN	1.01.44225
PN	HK-YH XK-270@23-60-4X3030-#0-1g-7_ASM
Dimension	270x30x23.09
LED	3030, 3535
FWHM	60°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
7 IN 1 Louver (1.07.44086)	

- ✓ Ultra low glare
- ✓ High CBCP
- ✓ Mix CCT RGB



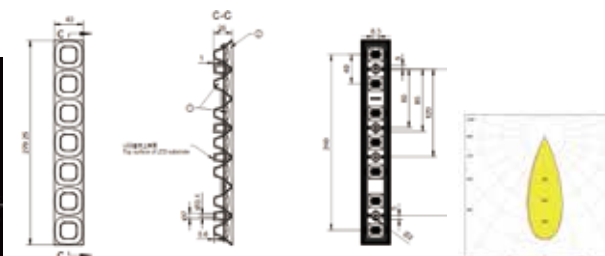
Application: Commercial lighting ,Smart home lighting ,Museum lighting ,Office lighting ,Supermarket & Warehouse lighting

Firefly-Starry-40G-7 IN 1-80



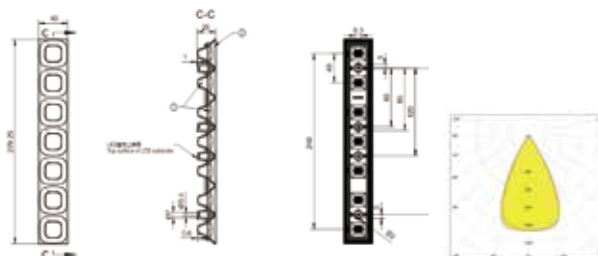
MN	1.01.44047
PN	HK-YH XK-270@21-80-4X3030-#0-1g-7_ASM
Dimension	270x30x20.77
LED	3030, 3535
FWHM	80°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
7 IN 1 Louver (1.07.44086)	

Firefly-Starry-50G-7 IN 1-40



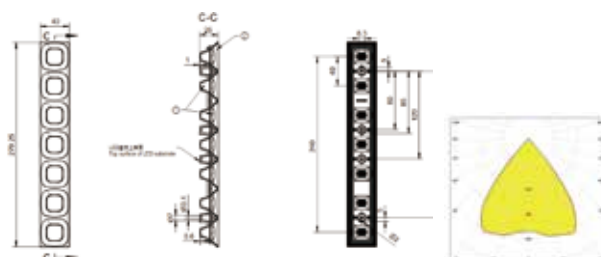
MN	1.01.44268
PN	HK-YH XK-270@23-40-4X3030-#0-1g-7_ASM
Dimension	270x30x23
LED	3030, 3535
FWHM	40°
LENS: PMMA Reflector:Vaccum Aluminum Plating PC	
7 IN 1 Louver (1.07.44175)	

Firefly-Starry-50G-7 IN 1-60



MN	1.01.44225
PN	HK-YH XK-270@23-60-4X3030-#0-1g-7_ASM
Dimension	270x30x23.09
LED	3030, 3535
FWHM	60°
LENS: PMMA Reflector: Vacuum Aluminum Plating PC	
7 IN 1 Louver (1.07.44175)	

Firefly-Starry-50G-7 IN 1-80



MN	1.01.44047
PN	HK-YH XK-270@21-80-4X3030-#0-1g-7_ASM
Dimension	270x30x20.77
LED	3030, 3535
FWHM	80°
LENS: PMMA Reflector: Vacuum Aluminum Plating PC	
7 IN 1 Louver (1.07.44175)	

FIREFLY SERIES

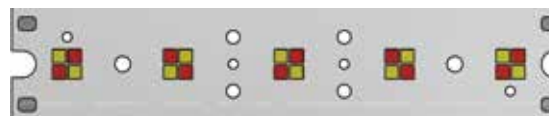
Light Source Arrangement



1 X 3030 \ 1 X 3535 \ 1 X 2835



2 X 3030 \ 2 X 3535 \ 2 X CSP



1 X 3535 \ 4 X 3030 \ 4 X 2835



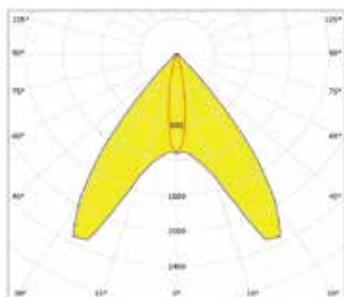
1 X 3838 \ 1 X 3535

This drawing is only as a dual-colour light source layout of the schematic, does not limit the use of light sources such as: 3030, 2835, etc., and does not limit the light source layout spacing.

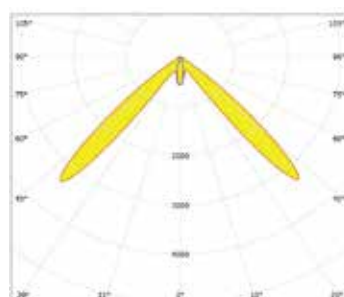
FIREFLY SERIES

Recommended application

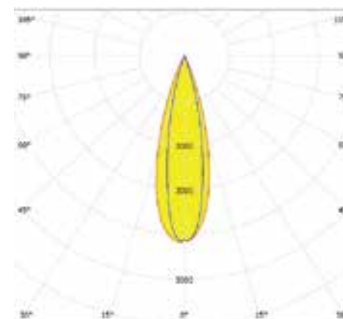
—— Supermarket Shelves
(with double asymmetric film)



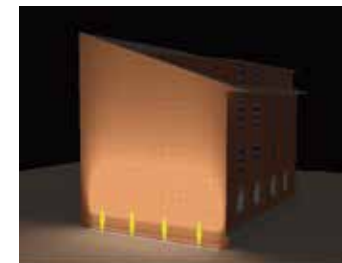
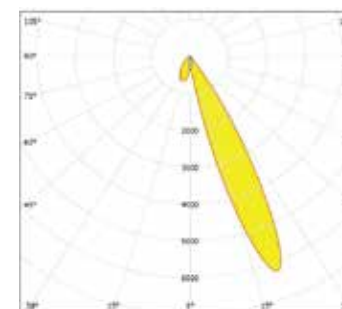
—— Indoor double asymmetric lighting
(with double asymmetric film)



—— Office lighting
20°+30° linear film



—— Outdoor wall washing lighting
(with single asymmetric)



SKYLINE SERIES

- ✓ Higher wall wash heights
- ✓ Greater uniformity
- ✓ High CBCP

Application: Cove lighting / Wall washing / Handrail lighting / Curtain lighting

Skyline-Starry-1 IN 1-WW

MN	1.01.44315
PN	HK-TJ-24@16-12X14-3030-01-1g-1
Dimension	Φ24x16
LED	3030, 2835
FWHM	12°X 14°
LENS: PMMA	
washing	

Skyline-Starry-5 IN 1-WW

MN	1.02.44044
PN	HK-TJ-100@16-15X14-3030-01-1g-5
Dimension	100X20X16
LED	3030, 2835
FWHM	15°X 14°
LENS: PC	
washing	

Skyline-Starry-6 IN 1-WW

MN	1.02.44380
PN	HK-TJ-120@16-15X14-3030-01-1g-6
Dimension	120x20x16
LED	3030, 2835
FWHM	15°X 14°
LENS: PC	
washing	