



LED Spot

LED Spot Light



LFS-98.122/121

This SPOT lights series clear away superfluity trim and it give super energy saving and long life time. Lights housing fixing method is same as normal down lights. Only, User have to fixing square frame first, when to be ceiling construction.

LED Spot Light

LFS-98.122

소프 COB SPOT 中

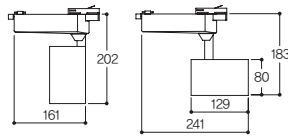


□ White ■ Black

Specification

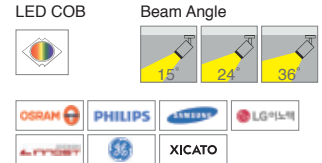
Name LFS-98.122
Size Ø80×H129
Lamp LED COB 28W (3000lm)
Material **BODY:** AL-DIE CASTING
REFLECTOR: ALUMINUM **COVER:** PC
DRIVER BOX: AL-DIE CASTING, PC

Drawing

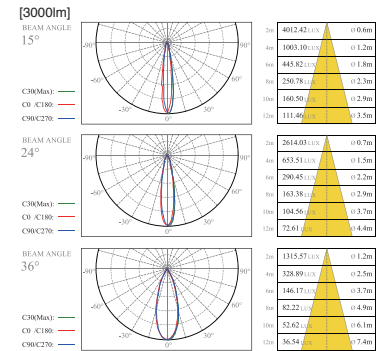


POWER	3000K	4000K	5700K
28W	3150lm	3250lm	3350lm

Lamp



Distribution curve of luminous intensity



LFS-98.121

소프 COB SPOT 大

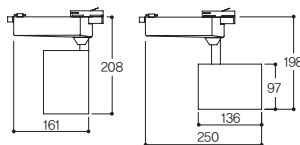


□ White ■ Black

Specification

Name LFS-98.121
Size Ø97×H136
Lamp LED COB 37W (4000lm)/
 28W (3000lm)
Material **BODY:** AL-DIE CASTING
REFLECTOR: ALUMINUM **COVER:** PC
DRIVER BOX: AL-DIE CASTING, PC

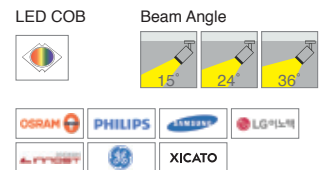
Drawing



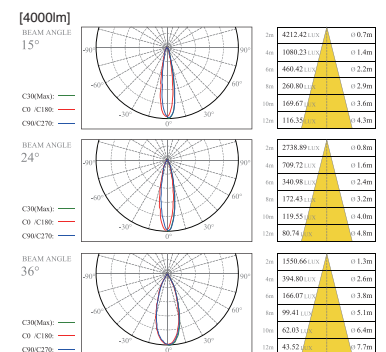
POWER	3000K	4000K	5700K
37W	4100lm	4230lm	4390lm

POWER	3000K	4000K	5700K
28W	3150lm	3250lm	3350lm

Lamp



Distribution curve of luminous intensity



LED Spot Light

LFS-98.05/051 플로나 COB SPOT / 플로나 COB SPOT 小



□ White ■ Black

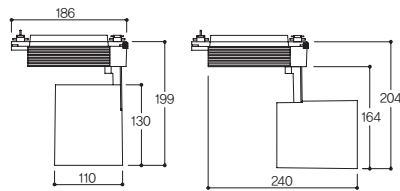
Specification

Name LFS-98.05 / LFS-98.051
Size Ø110×H130 / Ø70×H83
Lamp 大: LED COB 37W (4000lm) / 28W (3000lm)
 小: LED COB 9W (1000lm)
Material **BODY:** AL-DIE CASTING
REFLECTOR: ALUMINUM COVER: PC
DRIVER BOX: AL-DIE CASTING, PC



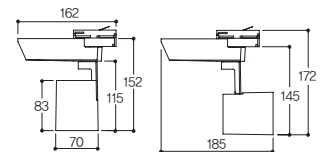
플로나 COB SPOT 小 (LFS-98.051)

Drawing



플로나 COB SPOT 大

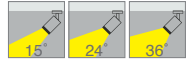
Drawing



Lamp

LED COB

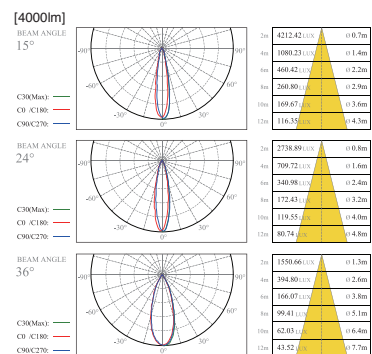
Beam Angle



POWER	3000K	4000K	5700K
37W	4100lm	4230lm	4390lm
28W	3150lm	3250lm	3350lm
9W	995lm	1067lm	1067lm



Distribution curve of luminous intensity



INPUT VOLTAGE	220V AC / 50-60Hz		
CRI	Ra 80 ↑		
INPUT POWER	36.6 W		
OUTPUT POWER	32.1 W		
PKG VOLTAGE FORWARD (VF)	36.2 V		
PKG CURRENT (IF)	900 mA		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	4100 lm	4230 lm	4390 lm
MODULE EFFICIENCY	128 lm/W	132 lm/W	137 lm/W
CRI	Ra 90 ↑		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	3620 lm	3750 lm	3880 lm
MODULE EFFICIENCY	120 lm/W	124 lm/W	129 lm/W
APPLICATION DRIVER	CONSTANT CURRENT TYPE		

LFS-98.052

플로나 COB SPOT AC직결형

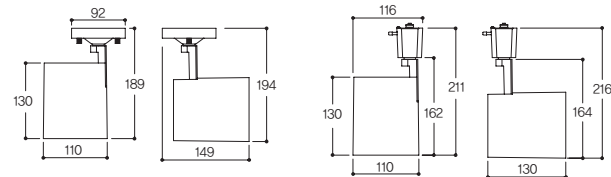


White Black

Specification

Name	LFS-98.052
Size	Ø110 × H130
Lamp	AC LED COB 30W (2268lm) / 20W (1512lm) / 15W (1134lm)
Material	BODY: AL-DIE CASTING REFLECTOR: ALUMINUM COVER: PC

Drawing



플로나 COB AC 직결형 SPOT 직부

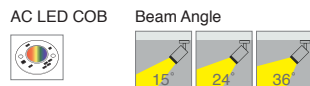
플로나 COB AC 직결형 SPOT 플러그

INPUT VOLTAGE	230V AC/ 50-60Hz		
CRI	Ra 80 ↑		
INPUT POWER	30 W		
MODULE SIZE	Ø57		
LES SIZE	Ø14		
COLOR TEMPERATURE	3000 K	4000 K	5000 K
MODULE LUMINOUS FLUX @ 25°C	2268 lm	2381 lm	2483 lm
MODULE EFFICIENCY	76 lm/ W	79 lm/ W	83 lm/ W

INPUT POWER	20 W		
MODULE SIZE	Ø57		
LES SIZE	Ø14		
COLOR TEMPERATURE	3000 K	4000 K	5000 K
MODULE LUMINOUS FLUX @ 25°C	1512 lm	1588 lm	1656 lm
MODULE EFFICIENCY	76 lm/ W	79 lm/ W	83 lm/ W

INPUT POWER	15 W		
MODULE SIZE	Ø57		
LES SIZE	Ø14		
COLOR TEMPERATURE	3000 K	4000 K	5000 K
MODULE LUMINOUS FLUX @ 25°C	1134 lm	1191 lm	1242 lm
MODULE EFFICIENCY	76 lm/ W	79 lm/ W	83 lm/ W

Lamp



POWER	3000K	4000K	5000K
30W	2268lm	2381lm	2483lm

POWER	3000K	4000K	5000K
20W	1512lm	1588lm	1656lm

POWER	3000K	4000K	5000K
15W	1134lm	1191lm	1242lm



LED Spot Light

LFS-98.03

알파 COB SPOT (가로형)

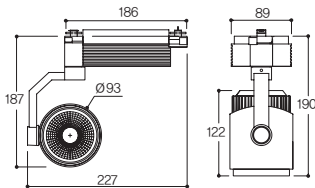


□ White ■ Black

Specification

Name LFS-98.03
Size Ø93×H122
Lamp LED COB 28W (3000lm)
Material **BODY:** AL-DIE CASTING
REFLECTOR: ALUMINUM **COVER:** PC
DRIVER BOX: AL-DIE CASTING, PC

Drawing



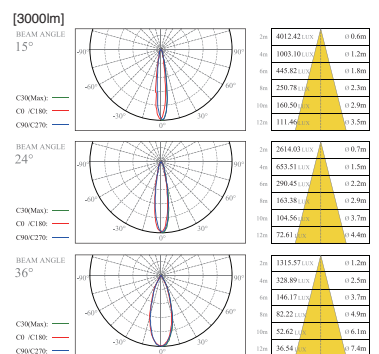
Lamp

LED COB **Beam Angle**

POWER **28W** 3000K 4000K 5700K
 3150lm 3250lm 3350lm

OSRAM PHILIPS SAMSUNG
 LG LG LG
 XICATO

Distribution curve of luminous intensity



INPUT VOLTAGE	220V AC/ 50-60Hz		
CRI	Ra 80 ↑		
INPUT POWER	28.1 W		
OUTPUT POWER	24.5 W		
PKG VOLTAGE FORWARD (VF)	35 V		
PKG CURRENT (IF)	700 mA		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	3150 lm	3250 lm	3350 lm
MODULE EFFICIENCY	137 lm/ W	141 lm/ W	145 lm/ W
CRI	Ra 90 ↑		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	2790 lm	2890 lm	2990 lm
MODULE EFFICIENCY	114 lm/ W	118 lm/ W	122 lm/ W
APPLICATION DRIVER	CONSTANT CURRENT TYPE		

LFS-98.032

알파 COB SPOT AC직결형

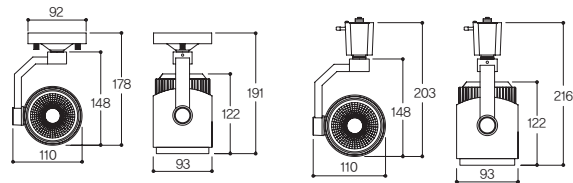


□ White ■ Black

Specification

Name	LFS-98.032
Size	Ø93×H122
Lamp	AC LED COB 20W (1500lm) / 15W (1134lm)
Material	BODY: AL-DIE CASTING REFLECTOR: ALUMINUM COVER: PC

Drawing



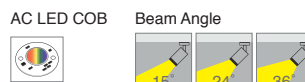
알파 COB AC직결형 직부

알파 COB AC직결형 플러그

INPUT VOLTAGE	230V AC/ 50-60Hz		
CRI	Ra 80 ↑		
INPUT POWER	20 W		
MODULE SIZE	Ø57		
LES SIZE	Ø14		
COLOR TEMPERATURE	3000 K	4000 K	5000 K
MODULE LUMINOUS FLUX @ 25°C	1512 lm	1588 lm	1656 lm
MODULE EFFICIENCY	76 lm/ W	79 lm/ W	83 lm/ W

INPUT POWER	15 W		
MODULE SIZE	Ø57		
LES SIZE	Ø14		
COLOR TEMPERATURE	3000 K	4000 K	5000 K
MODULE LUMINOUS FLUX @ 25°C	1134 lm	1191 lm	1242 lm
MODULE EFFICIENCY	76 lm/ W	79 lm/ W	83 lm/ W

Lamp



POWER	3000K	4000K	5000K
20W	1512lm	1588m	1656lm

POWER	3000K	4000K	5000K
15W	1134lm	1191m	1242lm



LED Spot Light

LFS-98.100

밴드 COB SPOT

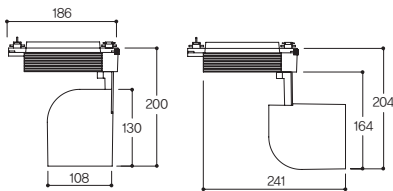


□ White ■ Black

Specification

Name LFS-98.100
Size Ø108×H130
Lamp LED COB 37W (4000lm)/
 28W (3000lm)
Material **BODY:** AL-DIE CASTING
REFLECTOR: ALUMINUM **COVER:** PC
DRIVER BOX: AL-DIE CASTING, PC

Drawing



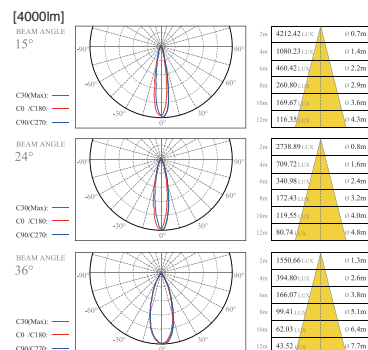
Lamp

LED COB **Beam Angle**

POWER	3000K	4000K	5700K
37W	4100lm	4230lm	4390lm
POWER	3000K	4000K	5700K
28W	3150lm	3250lm	3350lm

OSRAM PHILIPS SAMSUNG
 LG LG S3C
 XICATO

Distribution curve of luminous intensity



INPUT VOLTAGE	220V AC/ 50-60Hz		
CRI	Ra 80 ↑		
INPUT POWER	36.6 W		
OUTPUT POWER	32.1 W		
PKG VOLTAGE FORWARD (VF)	36.2 V		
PKG CURRENT (IF)	900 mA		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	4100 lm	4230 lm	4390 lm
MODULE EFFICIENCY	128 lm/ W	132 lm/ W	137 lm/ W

CRI	Ra 90 ↑		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	3620 lm	3750 lm	3880 lm
MODULE EFFICIENCY	120 lm/ W	124 lm/ W	129 lm/ W

APPLICATION DRIVER	CONSTANT CURRENT TYPE		
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INPUT VOLTAGE	220V AC/ 50-60Hz		
CRI	Ra 80 ↑		
INPUT POWER	28.1 W		
OUTPUT POWER	24.5 W		
PKG VOLTAGE FORWARD (VF)	35 V		
PKG CURRENT (IF)	700 mA		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	3150 lm	3250 lm	3350 lm
MODULE EFFICIENCY	137 lm/ W	141 lm/ W	145 lm/ W

CRI	Ra 90 ↑		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	2790 lm	2890 lm	2990 lm
MODULE EFFICIENCY	114 lm/ W	118 lm/ W	122 lm/ W

APPLICATION DRIVER	CONSTANT CURRENT TYPE		
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LFS-98.102

밴드 COB SPOT AC직결형

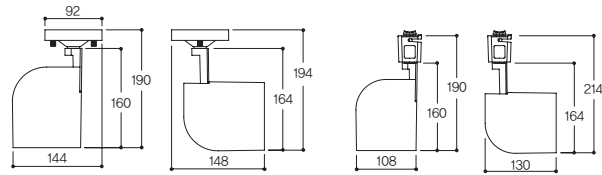


White Black

Specification

Name	LFS-98.102
Size	Ø108×H130
Lamp	AC LED COB 30W (2268lm) / 20W (1512lm) / 15W (1134lm)
Material	BODY: AL-DIE CASTING REFLECTOR: ALUMINUM COVER: PC

Drawing



밴드 COB AC직결형 직부

밴드 COB AC직결형 플러그

INPUT VOLTAGE	230V AC/ 50-60Hz		
CRI	Ra 80 ↑		
INPUT POWER	30 W		
MODULE SIZE	Ø57		
LES SIZE	Ø14		
COLOR TEMPERATURE	3000 K	4000 K	5000 K
MODULE LUMINOUS FLUX @ 25°C	2268 lm	2381 lm	2483 lm
MODULE EFFICIENCY	76 lm/ W	79 lm/ W	83 lm/ W

INPUT POWER	20 W		
MODULE SIZE	Ø57		
LES SIZE	Ø14		
COLOR TEMPERATURE	3000 K	4000 K	5000 K
MODULE LUMINOUS FLUX @ 25°C	1512 lm	1588 lm	1656 lm
MODULE EFFICIENCY	76 lm/ W	79 lm/ W	83 lm/ W

INPUT POWER	15 W		
MODULE SIZE	Ø57		
LES SIZE	Ø14		
COLOR TEMPERATURE	3000 K	4000 K	5000 K
MODULE LUMINOUS FLUX @ 25°C	1134 lm	1191 lm	1242 lm
MODULE EFFICIENCY	76 lm/ W	79 lm/ W	83 lm/ W

Lamp

AC LED COB	Beam Angle
POWER 3000K 4000K 5000K	
30W	2268lm 2381lm 2483lm
POWER 3000K 4000K 5000K	
20W	1512lm 1588lm 1656lm
POWER 3000K 4000K 5000K	
15W	1134lm 1191lm 1242lm

LED Spot Light

LFS-98.06/061

써치 COB SPOT / 써치 COB SPOT 小



□ White ■ Black

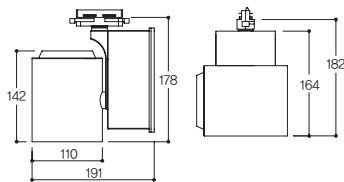
Specification

Name LFS-98.06 / LFS-98.061
Size Ø110×H142 / Ø70×H82
Lamp 大: LED COB 37W (4000lm) / 28W (3000lm)
 小: LED COB 9W (1000lm)
Material **BODY:** AL-DIE CASTING
REFLECTOR: ALUMINUM **COVER:** PC
DRIVER BOX: AL-DIE CASTING, PC

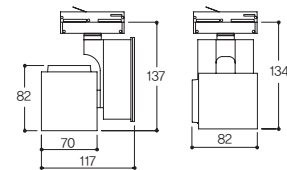


써치 COB SPOT 小 (LFS-98.061)

Drawing



Drawing



Lamp

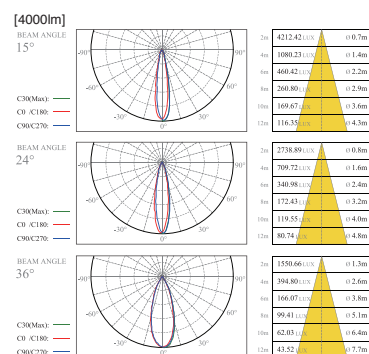
LED COB

Beam Angle

POWER	3000K	4000K	5700K
37W	4100lm	4230lm	4390lm
POWER	3000K	4000K	5700K
28W	3150lm	3250lm	3350lm
POWER	3000K	4000K	5700K
9W	995lm	1067lm	1067lm

OSRAM PHILIPS SAMSUNG
 LG INNOVATION AMOV 3E
 XICATO

Distribution curve of luminous intensity



INPUT VOLTAGE	220V AC/ 50-60Hz		
CRI	Ra 80 ↑		
INPUT POWER	36.6 W		
OUTPUT POWER	32.1 W		
PKG VOLTAGE FORWARD (VF)	36.2 V		
PKG CURRENT (IF)	900 mA		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	4100 lm	4230 lm	4390 lm
MODULE EFFICIENCY	128 lm/ W	132 lm/ W	137 lm/ W
CRI	Ra 90 ↑		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	3620 lm	3750 lm	3880 lm
MODULE EFFICIENCY	120 lm/ W	124 lm/ W	129 lm/ W
APPLICATION DRIVER	CONSTANT CURRENT TYPE		

LFS-98.02

알파 COB SPOT (세로형)

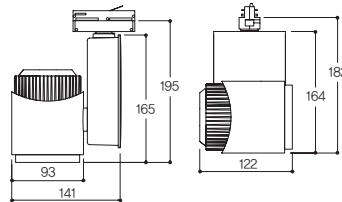


□ White ■ Black

Specification

Name	LFS-98.02
Size	Ø93×H122
Lamp	LED COB 28W (3000lm)
Material	BODY: AL-DIE CASTING REFLECTOR: ALUMINUM COVER: PC DRIVER BOX: AL-DIE CASTING

Drawing



INPUT VOLTAGE	220V AC/ 50-60Hz		
CRI	Ra 80 ↑		
INPUT POWER	28.1 W		
OUTPUT POWER	24.5 W		
PKG VOLTAGE FORWARD (VF)	35 V		
PKG CURRENT (IF)	700 mA		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	3150 lm	3250 lm	3350 lm
MODULE EFFICIENCY	137 lm/W	141 lm/W	145 lm/W
CRI	Ra 90 ↑		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	2790 lm	2890 lm	2990 lm
MODULE EFFICIENCY	114 lm/W	118 lm/W	122 lm/W
APPLICATION DRIVER	CONSTANT CURRENT TYPE		

Lamp

LED COB

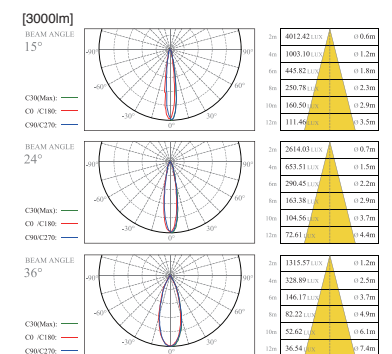
Beam Angle

POWER 28W

3000K	4000K	5700K
3150lm	3250lm	3350lm

OSRAM PHILIPS SAMSUNG
LG이노텍 LIFELIGHT GE
XICATO

Distribution curve of luminous intensity



LED Spot Light

LFS-98.114

리파 COB SPOT (가로형)

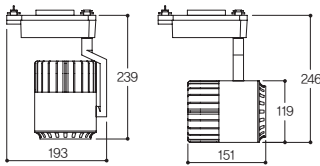


□ White ■ Black

Specification

Name LFS-98.114
Size Ø119×H151
Lamp LED COB 28W (3000lm)
Material **BODY:** AL-DIE CASTING, ALUMINUM
REFLECTOR: PC
DRIVER BOX: AL-DIE CASTING,PC

Drawing



Lamp

LED COB

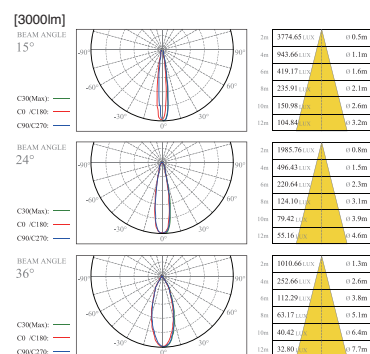
Beam Angle

POWER 28W

3000K	4000K	5700K
3150lm	3250lm	3350lm

OSRAM PHILIPS SAMSUNG
 LG ELECTRONICS HYUNDAI
 XICATO

Distribution curve of luminous intensity



INPUT VOLTAGE	220V AC/ 50-60Hz		
CRI	Ra 80 ↑		
INPUT POWER	28.1 W		
OUTPUT POWER	24.5 W		
PKG VOLTAGE FORWARD (VF)	35 V		
PKG CURRENT (IF)	700 mA		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	3150 lm	3250 lm	3350 lm
MODULE EFFICIENCY	137 lm/ W	141 lm/ W	145 lm/ W
CRI	Ra 90 ↑		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	2790 lm	2890 lm	2990 lm
MODULE EFFICIENCY	114 lm/ W	118 lm/ W	122 lm/ W
APPLICATION DRIVER	CONSTANT CURRENT TYPE		

LFS-98.113/112/111

리파 COB SPOT 大 / 中 / 小



Name **LFS-98.112** (中)
Size Ø93×H141
Lamp LED COB 28W (3000lm)



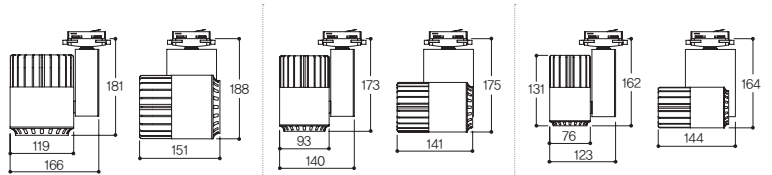
Name **LFS-98.111** (小)
Size Ø76×H131
Lamp LED COB 16W (2000lm)

□ White ■ Black

Specification

Name **LFS-98.113** (大)
Size Ø119×H151
Lamp LED COB 28W (3000lm)
Material **BODY: AL-DIE CASTING, ALUMINUM**
REFLECTOR: PC
DRIVER BOX: AL-DIE CASTING, PC

Drawing



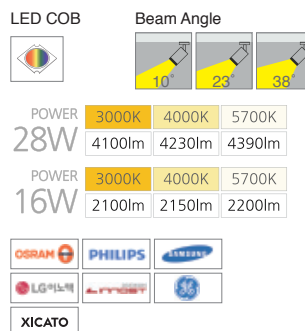
리파(大) COB SPOT

리파(中) COB SPOT

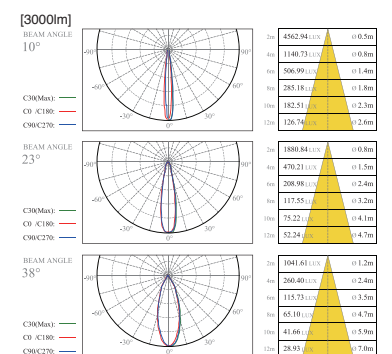
리파(小) COB SPOT

INPUT VOLTAGE	220V AC/ 50-60Hz		
CRI	Ra 80 ↑		
INPUT POWER	28.1 W		
OUTPUT POWER	24.5 W		
PKG VOLTAGE FORWARD (VF)	35 V		
PKG CURRENT (IF)	700 mA		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	3150 lm	3250 lm	3350 lm
MODULE EFFICIENCY	137 lm/W	141 lm/W	145 lm/W
CRI	Ra 90 ↑		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	2790 lm	2890 lm	2990 lm
MODULE EFFICIENCY	114 lm/W	118 lm/W	122 lm/W
APPLICATION DRIVER	CONSTANT CURRENT TYPE		

Lamp



Distribution curve of luminous intensity



LED Spot Light

LFS-98.09

샤프원 COB SPOT (세로형)

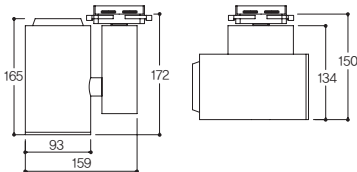


White Black

Specification

Name LFS-98.09
Size Ø93×H165
Lamp LED COB 16W (2000lm 전용)
Material **BODY:** AL-DIE CASTING
REFLECTOR: ALUMINUM
DRIVER BOX: AL-DIE CASTING

Drawing



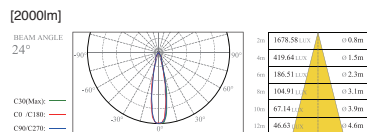
Lamp

LED COB **Beam Angle**

2000lm 전용

POWER	3000K	4000K	5700K
16W	2100lm	2150lm	2200lm

Distribution curve of luminous intensity



INPUT VOLTAGE	220V AC/ 50-60Hz		
CRI	Ra 80 ↑		
INPUT POWER	16.2 W		
OUTPUT POWER	14.1 W		
PKG VOLTAGE FORWARD (VF)	33.5 V		
PKG CURRENT (IF)	420 mA		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	2100 lm	2150 lm	2200 lm
MODULE EFFICIENCY	149lm/ W	153 lm/ W	157 lm/ W
CRI	Ra 90 ↑		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	1880 lm	1940 lm	1980 lm
MODULE EFFICIENCY	134 lm/ W	138 lm/ W	141 lm/ W
APPLICATION DRIVER	CONSTANT CURRENT TYPE		

LFS-98.08

샤프원 COB SPOT (옆형)

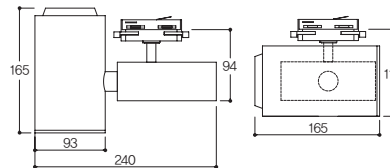


White
 Black

Specification

Name	LFS-98.08
Size	Ø93×H165
Lamp	LED COB 16W (2000lm 전용)
Material	BODY: AL-DIE CASTING REFLECTOR: ALUMINUM DRIVER BOX: AL-DIE CASTING

Drawing

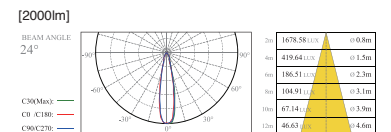


INPUT VOLTAGE	220V AC/ 50-60Hz		
CRI	Ra 80 ↑		
INPUT POWER	16.2 W		
OUTPUT POWER	14.1 W		
PKG VOLTAGE FORWARD (VF)	33.5 V		
PKG CURRENT (IF)	420 mA		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	2100 lm	2150 lm	2200 lm
MODULE EFFICIENCY	149lm/ W	153 lm/ W	157 lm/ W
CRI	Ra 90 ↑		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	1880 lm	1940 lm	1980 lm
MODULE EFFICIENCY	134 lm/ W	138 lm/ W	141 lm/ W
APPLICATION DRIVER	CONSTANT CURRENT TYPE		

Lamp

LED COB	Beam Angle		
			
2000lm 전용	24°		
POWER	3000K	4000K	5700K
16W	2100lm	2150lm	2200lm

Distribution curve of luminous intensity



LED Spot Light

LFS-98.070/071 외발원통 大 COB SPOT / (슬림)



□ White ■ Black

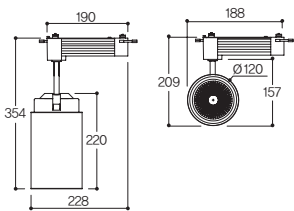
Specification

Name LFS-98.070 / LFS-98.071
Size Ø120×H220
Lamp LED COB 16W (2000lm 전용)
Material **BODY:** AL-DIE CASTING, PC
REFLECTOR: PC
DRIVER BOX: AL-DIE CASTING

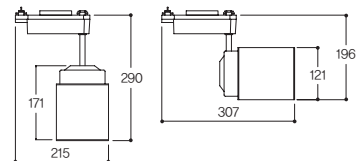


외발원통 大 COB SPOT (슬림)

Drawing



Drawing



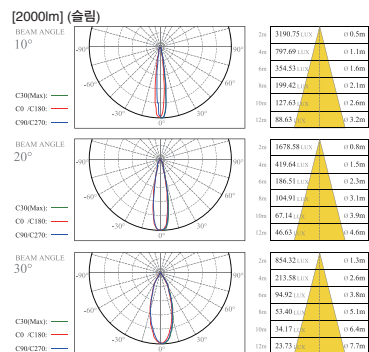
Lamp

LED COB **Beam Angle**

POWER 16W

3000K	4000K	5700K
2100lm	2150lm	2200lm

Distribution curve of luminous intensity



INPUT VOLTAGE	220V AC/ 50-60Hz		
CRI	Ra 80 ↑		
INPUT POWER	16.2 W		
OUTPUT POWER	14.1 W		
PKG VOLTAGE FORWARD (VF)	33.5 V		
PKG CURRENT (IF)	420 mA		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	2100 lm	2150 lm	2200 lm
MODULE EFFICIENCY	149lm/ W	153 lm/ W	157 lm/ W
CRI	Ra 90 ↑		
COLOR TEMPERATURE	3000 K	4000 K	5700 K
MODULE LUMINOUS FLUX @ 25°C	1880 lm	1940 lm	1980 lm
MODULE EFFICIENCY	134 lm/ W	138 lm/ W	141 lm/ W
APPLICATION DRIVER	CONSTANT CURRENT TYPE		

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