

## LED Luminaires

### Fire Rated Slim Downlight

- Fire Resistant
- Select from Five Color Temperatures
- IC, Air Tight and Wet Location Rated
- Triac Dimmable

### Specifications

#### Description

The Fire Rated Slim Downlight family is designed to provide a cost effective solution for use in fire rated ceiling systems. The low profile fixture design provides smooth or baffled trim options, easy installation with a spring clip mounting and is rated to withstand heat and fire of up to 1100°C for 2 hours. It is the clean, modern way to light residential, multi-family and healthcare facilities requiring fire protection.

#### Performance

- Field selectable CCT (2700K, 3000K, 3500K, 4000K, 5000K)
- 90 CRI
- 120V, 50/60 Hz triac dimming driver to 10%
- L70 lumen maintenance > 60,000 hours
- Up to 103 lumens per watt
- 5 year limited warranty

#### Certifications

- cULus rated for wet locations
- 2 hour fire rating per UL263/ASTM E119/CAN ULC-S101-07
- IC Rated for direct contact with insulation
- Air tight certified per ASTM E283-2004
- Energy Star rated
- TAA compliant
- Complies with California T24 standards
- RoHS compliant
- FCC part 15 compliant



#### Construction

- Powder coated steel housing
- Canless design with spring retention clips and remote mounted driver box
- Edge Lit LED design with frosted polycarbonate diffuser
- Field selectable CCT switch

## Fire Rated Slim Downlight

### Ordering Logic:

Series	Product Size	CRI/CCT	Trim	Voltage/Dimming
FRSDL = Fire Rated Slim Downlight	3 = 3" 4 = 4" 6 = 6" 8 = 8"	CS = 90 CRI, Selectable 2700K, 3000K, 3500K, 4000K, 5000K	ST = SMOOTH TRIM BT = BAFFLE TRIM	120V = 120V, Triac Dimming

### Ordering Information

Product SKU	Product Code	Product Description	ENERGYSTAR ID
89200	FRSDL-3-CS-ST-120V	Fire Rated 3in Slim Downlight Color Selectable 6.5W 550 Lumen Smooth Trim 120V Triac Dimmable T24	3554908
89201	FRSDL-3-CS-BT-120V	Fire Rated 3in Slim Downlight Color Selectable 6.5W 550 Lumen Baffle Trim 120V Triac Dimmable T24	3554908
89202	FRSDL-4-CS-ST-120V	Fire Rated 4in Slim Downlight Color Selectable 11W 900 Lumen Smooth Trim 120V Triac Dimmable T24	3554909
89203	FRSDL-4-CS-BT-120V	Fire Rated 4in Slim Downlight Color Selectable 11W 900 Lumen Baffle Trim 120V Triac Dimmable T24	3554909
89204	FRSDL-6-CS-ST-120V	Fire Rated 6in Slim Downlight Color Selectable 15W 1250 Lumen Smooth Trim 120V Triac Dimmable T24	3554910
89205	FRSDL-6-CS-BT-120V	Fire Rated 6in Slim Downlight Color Selectable 15W 1250 Lumen Baffle Trim 120V Triac Dimmable T24	3554910
89206	FRSDL-8-CS-ST-120V	Fire Rated 8in Slim Downlight Color Selectable 19W 1600 Lumen Smooth Trim 120V Triac Dimmable T24	3554911
89207	FRSDL-8-CS-BT-120V	Fire Rated 8in Slim Downlight Color Selectable 19W 1600 Lumen Baffle Trim 120V Triac Dimmable T24	3554911
Accessories			
89166	FSDLS/RP3RD	ProLED Select Direct Fit Slim Downlight Rough In Pan 3"	
89104	FSDLS/RP4RD	ProLED Select Direct Fit Slim Downlight Rough In Pan 4"	
89105	FSDLS/RP6RD	ProLED Select Direct Fit Slim Downlight Rough In Pan 6"	
89129	DFDLS-RP-468-RD	ProLED Select Direct Fit Slim Downlight Adjustable Rough In Pan 4", 6", 8"	
89142	ACC-NCP-ABH-4R	4" Round New Construction Pan w/Adjustable Bar Hangers	
89143	ACC-NCP-ABH-6R	6" Round New Construction Pan w/Adjustable Bar Hangers	

## Fire Rated Slim Downlight Performance Table

Product Code	Wattage	2700K		3000K		3500K		4000K		5000K	
		Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)	Lumen (lm)	Efficacy (lm/W)
FRSDL-3-CS-ST-120V	6.5	557	86	578	90	595	94	597	94	580	90
FRSDL-3-CS-BT-120V	6.5	558	86	571	89	580	92	577	91	555	86
FRSDL-4-CS-ST-120V	11	920	86	958	90	993	94	990	94	930	87
FRSDL-4-CS-BT-120V	11	920	85	958	90	992	94	991	93	931	86
FRSDL-6-CS-ST-120V	15	1272	88	1315	92	1366	96	1380	97	1328	92
FRSDL-6-CS-BT-120V	15	1274	90	1314	92	1360	97	1368	98	1308	91
FRSDL-8-CS-ST-120V	19	1609	88	1666	93	1743	98	1741	98	1651	91
FRSDL-8-CS-BT-120V	19	1686	94	1739	98	1809	103	1803	103	1703	96

## Specifications Table

	FRSDL-3-CS-xx-120V	FRSDL-4-CS-xx-120V	FRSDL-6-CS-xx-120V	FRSDL-8-CS-xx-120V
Nominal Wattage	6.5W	11W	15W	19W
Delivered Lumens	550	900	1250	1600
Efficacy (lm/W)	86	85	88	88
CCT	Selectable - 2700K, 3000K, 3500K, 4000K, 5000K			
CRI	90+			
Voltage	110°			
L70 Lifetime (hrs)	60,000			
Voltage	120V, 50/60Hz			
Power Factor	>0.9			
Dimming	Triac Dimming			
Housing Material	Steel			
Lens	Polycarbonate			
Operating Temperature	-20°C to 40°C			
Listings	cULus, FCC, RoHS, Wet Location, IC Rated, Air Tight, Fire Rated, TAA, CA T24-JA8, Energy Star®			
Environment	Wet Location, IC Rated, Air Tight, Fire Rated			
Warranty	5 Years Standard			

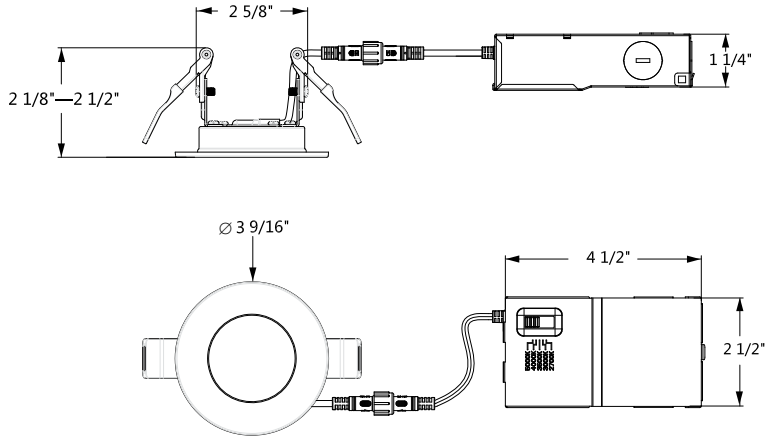
## Dimmer Compatibility List

Dimmer Brand	Series	Dimmer Model
LUTRON	Maestro C-L	MACL-153M
LUTRON	Skylark C-L	SCL-153P
LEVITON	Sureslide	6674
LUTRON	Diva C-L	DVCL-153P
LEGRAND	Radiant	RHCL453PTC
LEGRAND	Harmony	DCL453PTCCV6
LEGRAND	Harmony	HCL453PTCCV6
LUTRON	Skylark	CTCL-153PDH-WH
LEVITON	Illumena Tech	R50-IPL06-10M
LUTRON	Diva C-L	DVWCL-153PH-WH

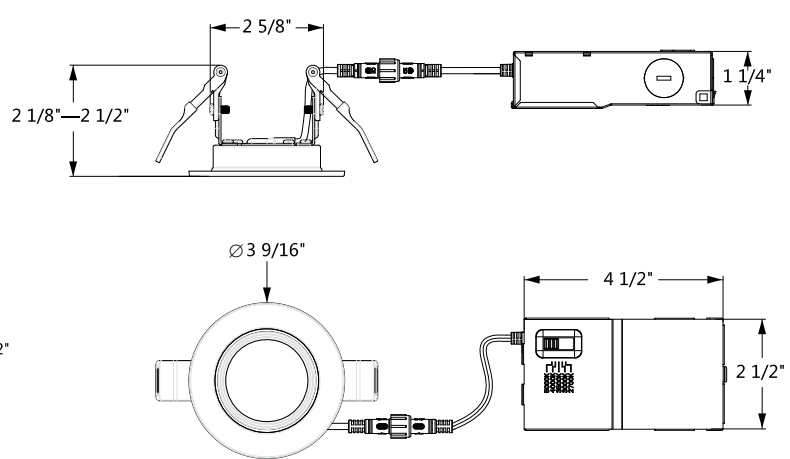
## Fire Rated Slim Downlight

### Dimensions

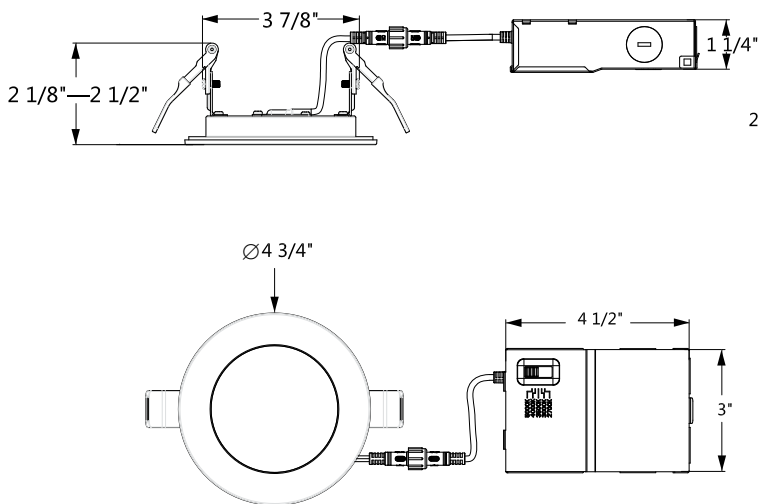
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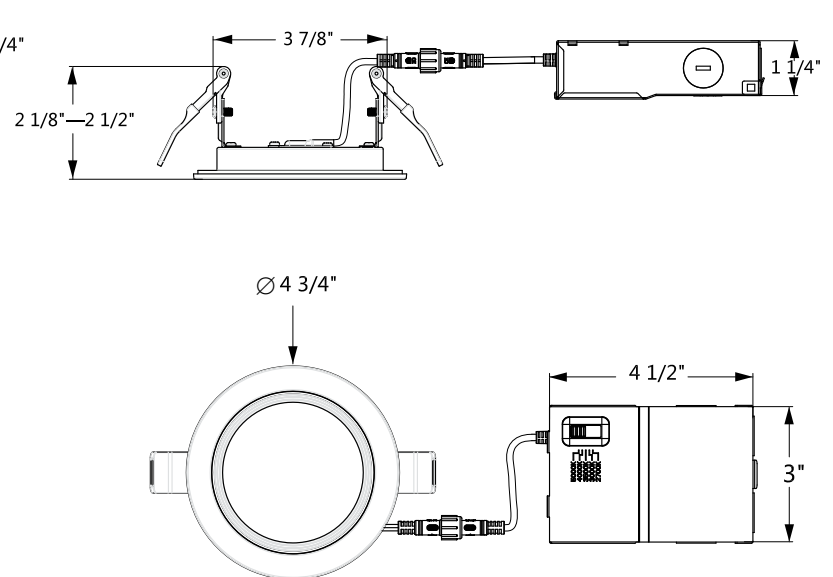
FRSDL-3-CS-BT-120V



FRSDL-4-CS-ST-120V

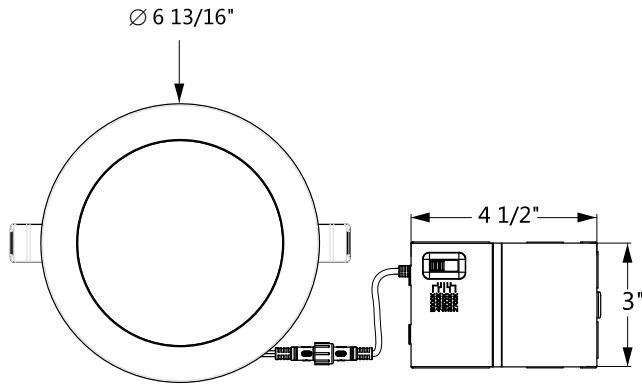
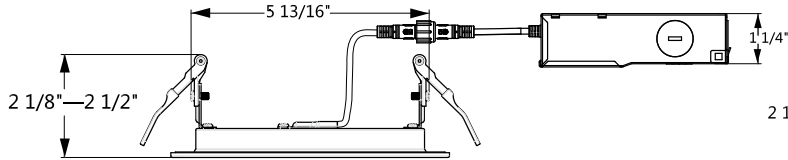


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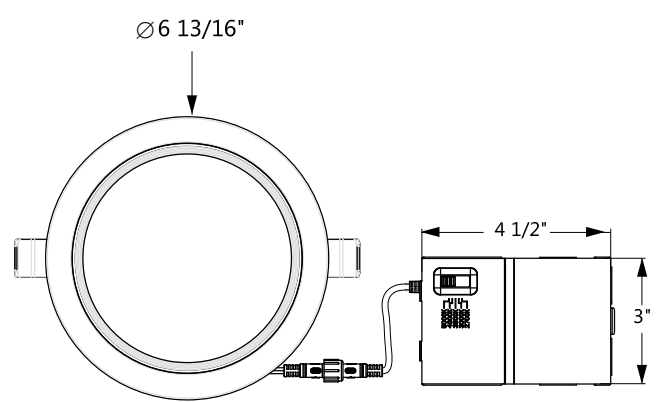
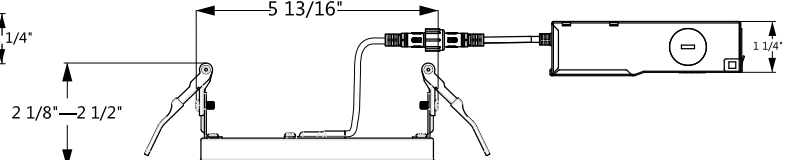


## Fire Rated Slim Downlight Dimensions

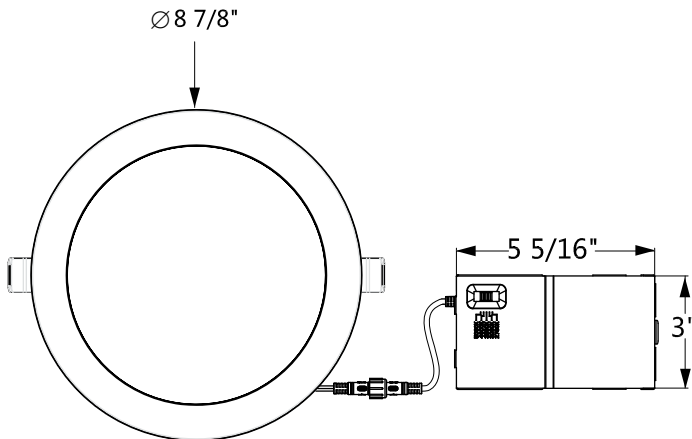
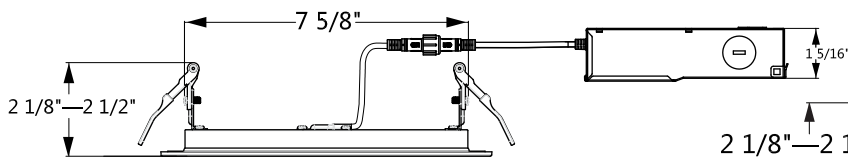
FRSDL-6-CS-ST-120V



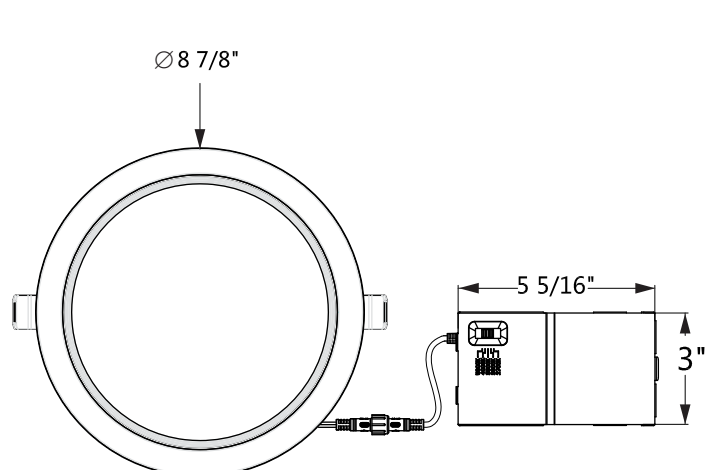
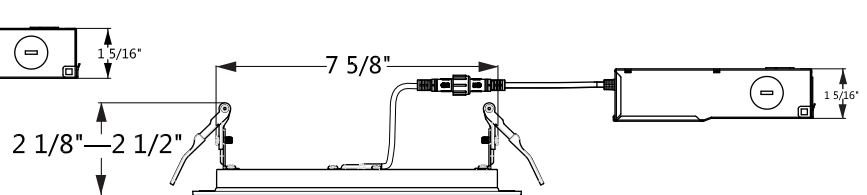
FRSDL-6-CS-BT-120V



FRSDL-8-CS-ST-120V



FRSDL-8-CS-BT-120V

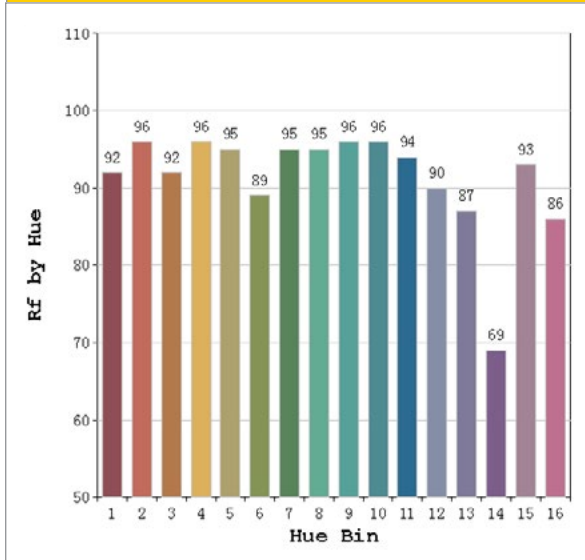


## Fire Rated Slim Downlight

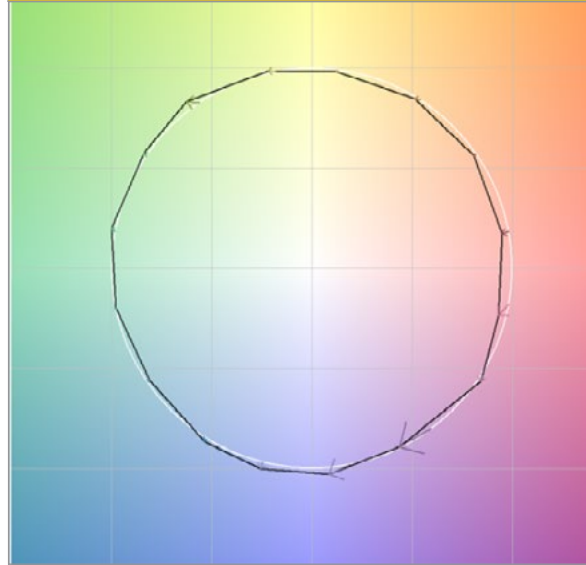
### Photometric Information

89200 FRSDL-3-CS-ST-120V

FRSDL-3-CS-ST-120V Set to 2700K



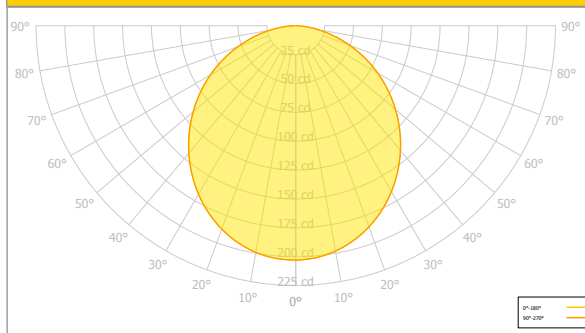
Color Vector Graphics



Information

RF	92
RG	100

FRSDL-3-CS-ST-120V Set to 2700K



Zonal Lumen Summary

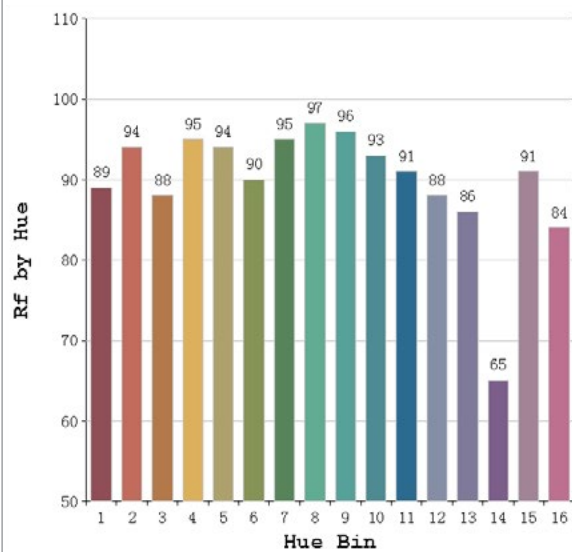
Zone	Lumens	% Luminaire
0-60	156	29.0%
0-80	440	80%
0-60	556	100%

## Fire Rated Slim Downlight

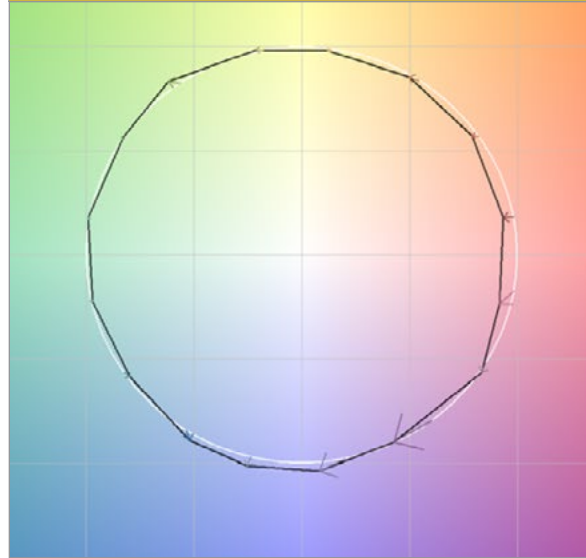
### Photometric Information

89201 FRSDL-3-CS-BT-120V

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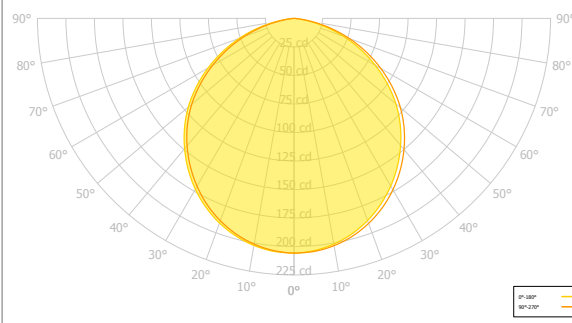
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Information

RF	92
RG	101

FRSDL-3-CS-BT-120V Set to 2700K



Zonal Lumen Summary

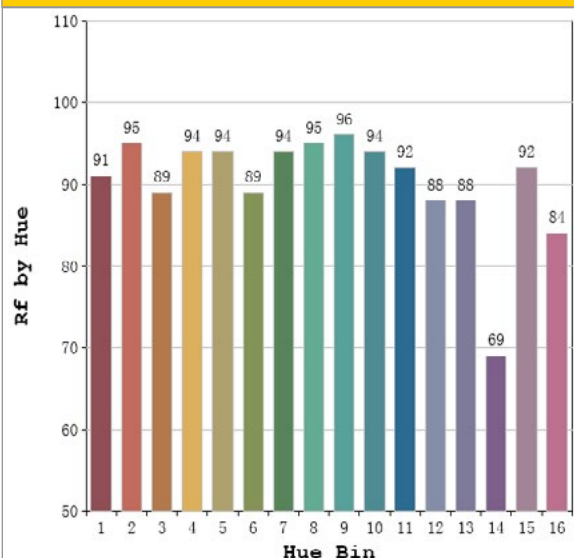
Zone	Lumens	% Luminaire
0-30	159	29%
0-60	453	80%
0-90	557	100%

## Fire Rated Slim Downlight

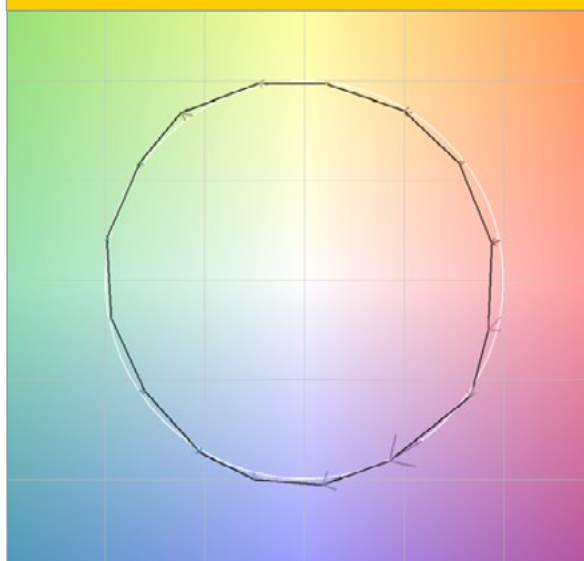
### Photometric Information

89202 FRSDL-4-CS-ST-120V

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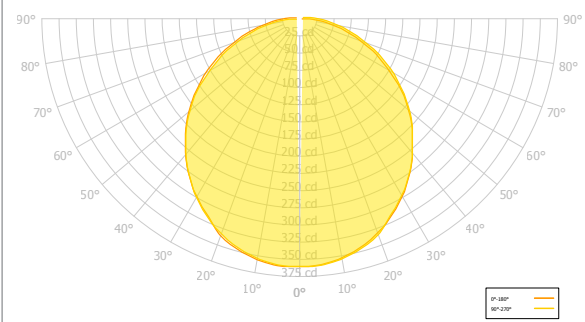
Color Vector Graphics



Information

RF	91
RG	101

FRSDL-4-CS-ST-120V Set to 2700K



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	256.8	27.9%
60-90	188.9	20.6%
0-90	919.0	100.0%

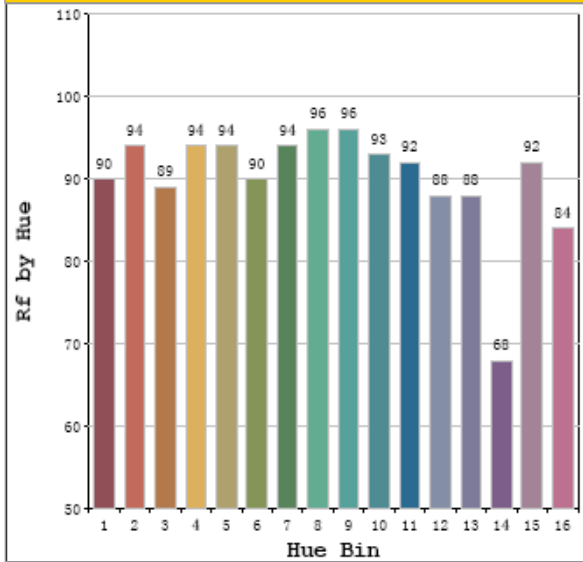


## Fire Rated Slim Downlight

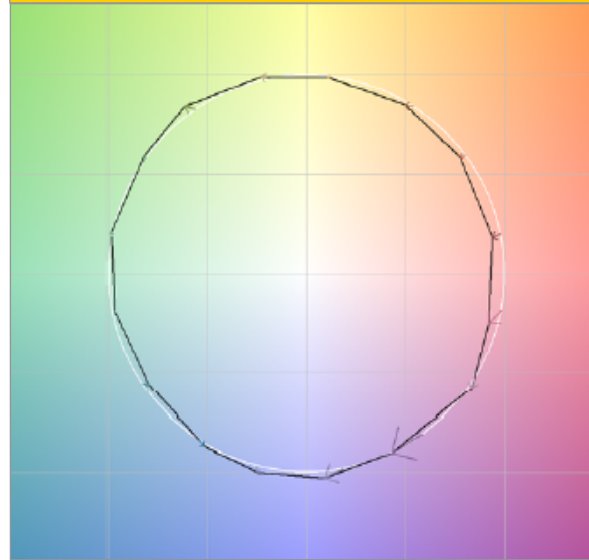
### Photometric Information

89203 FRSDL-4-CS-BT-120V

FRSDL-4-CS-BT-120V Set to 2700K



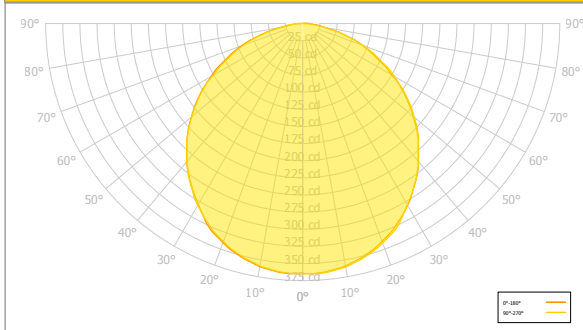
Color Vector Graphics



Information

RF	91
RG	100

FRSDL-4-CS-BT-120V Set to 2700K



Zonal Lumen Summary

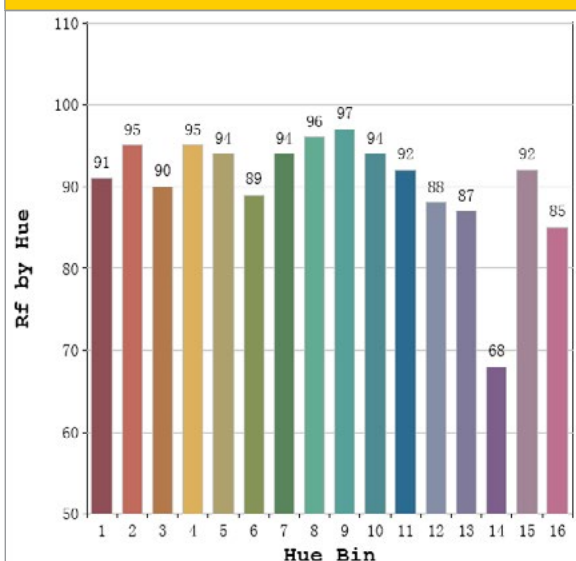
Zone	Lumens	% Luminaire
0-30	256.8	27.9%
60-90	188.9	20.6%
0-90	919.0	100.0%

## Fire Rated Slim Downlight

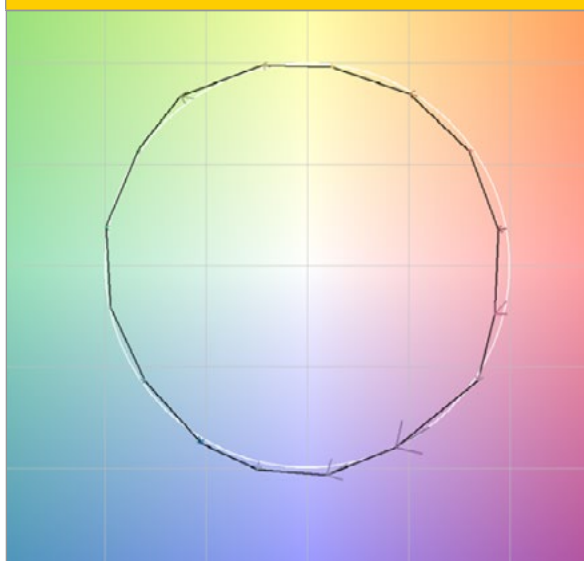
### Photometric Information

89204 FRSDL-6-CS-ST-120V

FRSDL-6-CS-ST-120V Set to 2700K



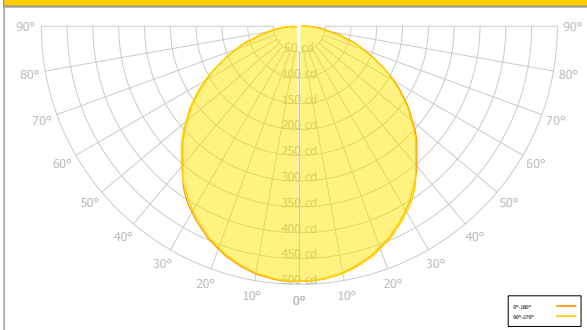
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Information

RF	93
RG	103

FRSDL-6-CS-ST-120V Set to 2700K



Zonal Lumen Summary

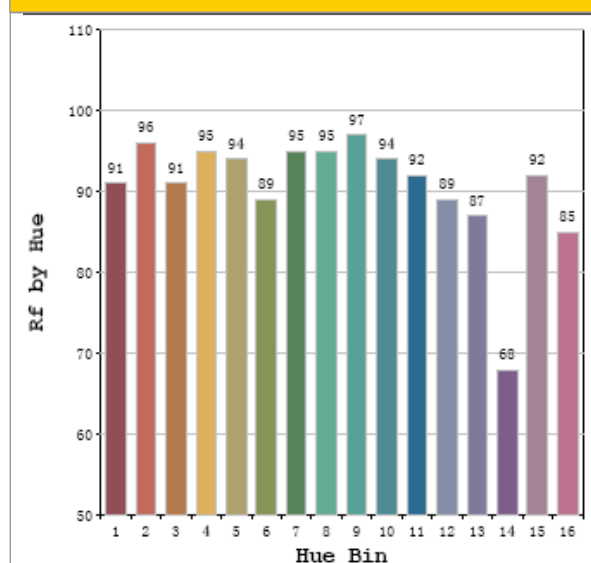
Zone	Lumens	% Luminaire
O-30	351.5	27.7%
O-60	1003.1	79.0%
O-90	1270.3	100.0%

## Fire Rated Slim Downlight

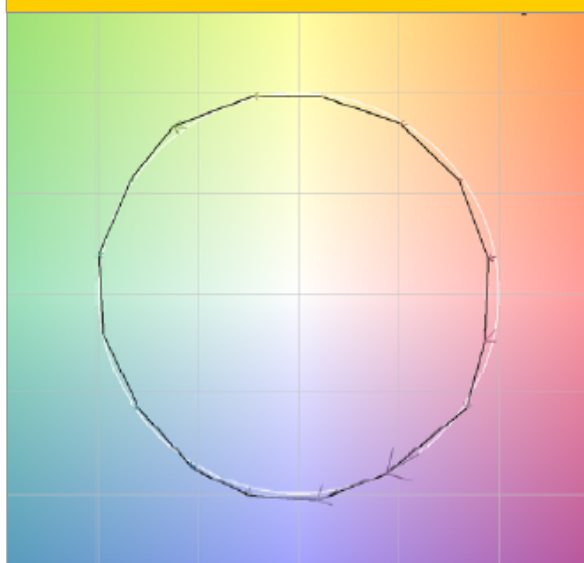
### Photometric Information

89205 FRSDL-6-CS-BT-120V

FRSDL-6-CS-BT-120V Set to 2700K



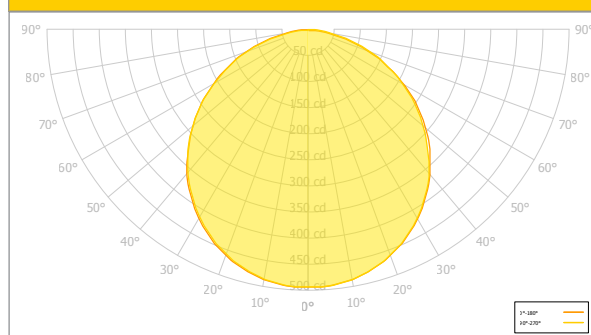
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Information

RF	92
RG	101

FRSDL-6-CS-BT-120V Set to 2700K



Zonal Lumen Summary

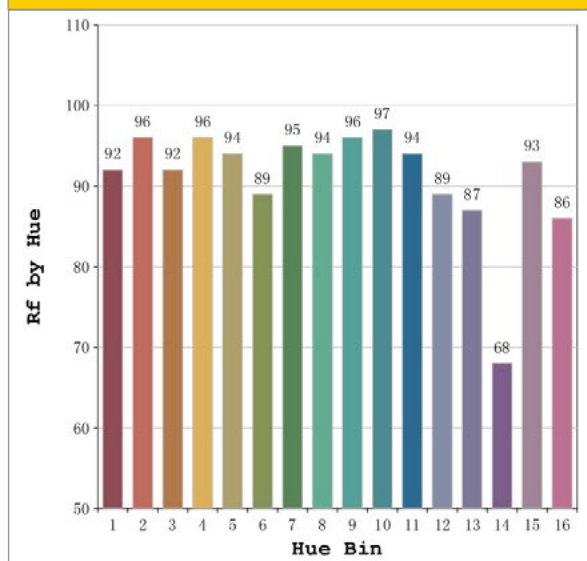
Zone	Lumens	% Luminaire
0-30	351.5	27.7%
0-60	1003.1	79.0%
0-90	1270.3	100.0%

## Fire Rated Slim Downlight

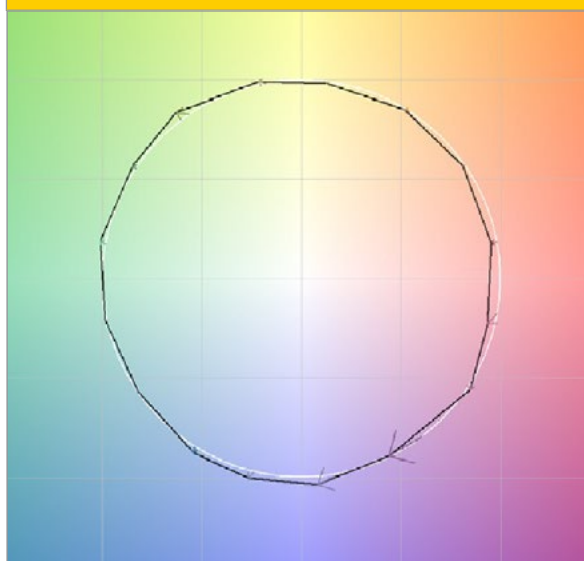
### Photometric Information

89206 FRSDL-8-CS-ST-120V

FRSDL-8-CS-ST-120V Set to 2700K



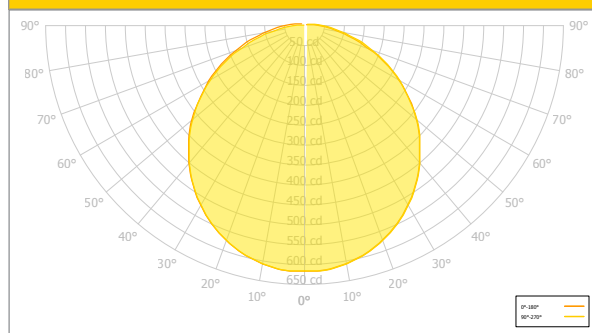
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Information

RF	92
RG	102

FRSDL-8-CS-ST-120V Set to 2700K



Zonal Lumen Summary

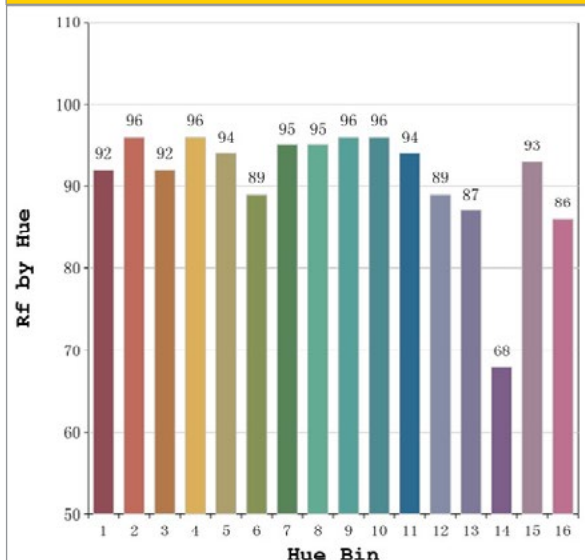
Zone	Lumens	% Luminaire
0-30	441.1	27.5%
0-60	1270.6	79.1%
0-90	1606.7	100.0%

## Fire Rated Slim Downlight

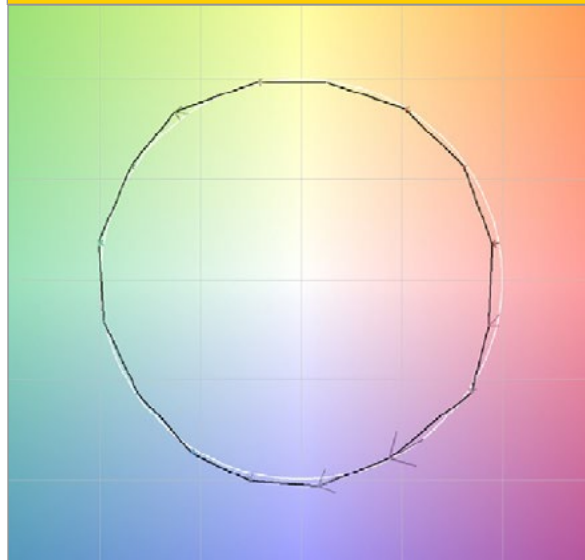
### Photometric Information

89207 FRSDL-8-CS-BT-120V

FRSDL-8-CS-BT-120V Set to 2700K



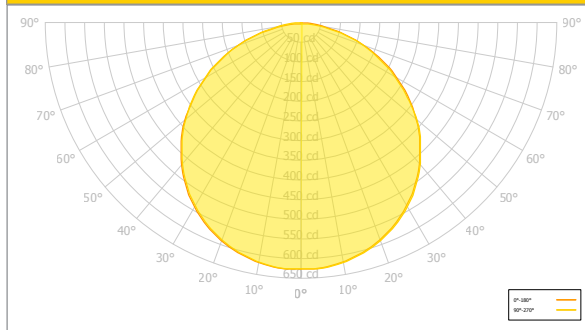
Color Vector Graphics



Information

RF	92
RG	102

FRSDL-8-CS-BT-120V Set to 2700K



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	441.1	27.5%
0-60	1270.6	79.1%
0-90	1606.7	100.0%