

ULTRA Light Disk LED

Recessed and Surface Mount Downlight Kit



The SYLVANIA ULTRA Light Disk is an LED downlight kit creating high performing white light and is optimized for new construction and retrofit applications. Multiple installation options for both recessed and surface mount applications. Installation is done quickly and easily in most standard four-inch, five-inch and six-inch Insulated Ceiling (IC) housings, Airtight (AT) housings and non-IC housings. It can also be surface mounted to standard 4-inch J-Box or using specially designed Connector Box.

Dimming

The SYLVANIA ULTRA Light Disk is dimmable to 20% with standard 120V electronic low voltage dimmers (recommended), incandescent or magnetic low voltage dimmers. In some cases, standard incandescent dimmers require a minimum load of typically >40 watts on the circuit for full range dimming performance (four LED modules). For dimming with digital (smart) multi-location dimmers or when dimming fewer than four LED modules, electronic low-voltage (ELV) dimmers are required (some ELV dimmers need a neutral connection in the wallbox).

Application Information

Applications

- Healthcare
- Hospitality
- Office
- Property Management
- Residential
- Retail

Key Features & Benefits

- Lumen package:
 - 700 lumens @ 10 watts
 - 900 lumens @ 13 watts
- Replacement for up to 100W incandescent lamps
- Fits into most 4", 5" and 6" recessed downlight fixtures
- Surface mount to standard 4" J-Box or using Connector Box
- CCT: 3000K
- CRI of 82
- Dimmable down to 20%*
- 35,000 hour life (L₇₀)
- Suitable for indoor dry and damp locations
- Reduces energy consumption up to 87%
- Lasts up to 17 times longer than incandescent lamps
- No warm-up time, instant-on with full light output and stable lamp to lamp color
- Meets California Title 24 fixture requirements for high efficacy luminaire
- Integrated white trim and medium base for direct replacement

Quality of Light

The SYLVANIA ULTRA Light Disk provides excellent color rendering (82 CRI), and a color temperature of 3000K. LEDs have virtually no UV or infrared radiation to damage or fade furnishings, art or other objects.

Optical Design

Optical design efficiently directs light output in an 120° beam angle with low glare.

* Performance may vary depending on dimmer use in application. Please refer to Dimmer Compatibility List (RETRO-DIM) for a list of compatible dimmers or visit www.sylvania.com/LightDisk

Product Offering

Lumen Output	Wattage	Color Temperature	CRI
700	10	3000K	82
900	13	3000K	82

Specifications and Certifications



Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

Specifications

Energy Data

Minimum Starting Temp: -20°C (-4°F)
 EMI/RFI: FCC Title 47 CFR, Part 15, Class B
 Sound Rating: <24dBA
 Input Voltage: 120V
 Input Frequency: 60Hz
 Power Factor: >0.90
 THD: <20%
 Input Power: 10W & 13W

Input Current: 0.08A & 0.1A
 Maximum Ambient Operating Temperature (Insulated Ceiling): 40°C (104°F)
 Maximum Ambient Operating Temperature (Non-Insulated Ceiling): 40°C (104°F)

Lighting Data

Lumen Output: 700, 900
 Wattage: 10, 13
 Lumens per Watt: 69

Color

Correlated Color Temperature (CCT): 3000K
 Color Rendering Index (CRI): 82
 R9: 13

Ordering Information

Item Number	Ordering Abbreviation	Recessed Housing	J-Box Size	Replaced Incandescent Wattage (W)	Nominal Wattage (W)	Delivered Light Output (lm)	Color Temperature	CRI	Avg. Rated Life (hrs.)*
72089	LED/700/LD/830/FL120	4", 5" & 6"	4"	65	10	700	3000K	82	35,000
71911	LED/900/LD/830/FL120	4", 5" & 6"	4"	100	13	900	3000K	82	35,000

* LED lamp life is defined as the number of hours when 50% of an average group of identical lamps reached 70% of initial lumens..
 Beam angle = 120°

Ordering Guide

LED	/	900	/	LD	/	8	/	30	/	FL	/	120
LED		Light Output 900lm		Product Name Light Disk		CRI >80		Color Temperature 3000K		Flood		Beam Angle 120°

Power Supply Information

Basic Product Description	LED Lumens	LED Life	Traditional Lamp Types	Lumens	Life	Watts Saved With LD	LD Energy Savings*	LD Life Benefit
Light Disk	700	35,000	Incandescent 65BR30	640	2000	55	\$302	17.5X
			Halogen 50WBR30/SS/HAL	585	2500	40	\$220	17.5X
			Halogen 50WPAR30LN/WFL	660	2500	40	\$220	14X
			Compact Fluorescent 15WBR30	600	8000	5	\$27	4.4X
Light Disk	900	35,000	Incandescent 100BR40	640	2000	87	\$335	17.5X
			Halogen 80WBR40/SS/HAL	1080	2000	67	\$258	17.5X
			Halogen 75WPAR38/WFL	1060	2500	62	\$239	14X
			Compact Fluorescent 15WBR30	900	8000	7	\$27	4.4X

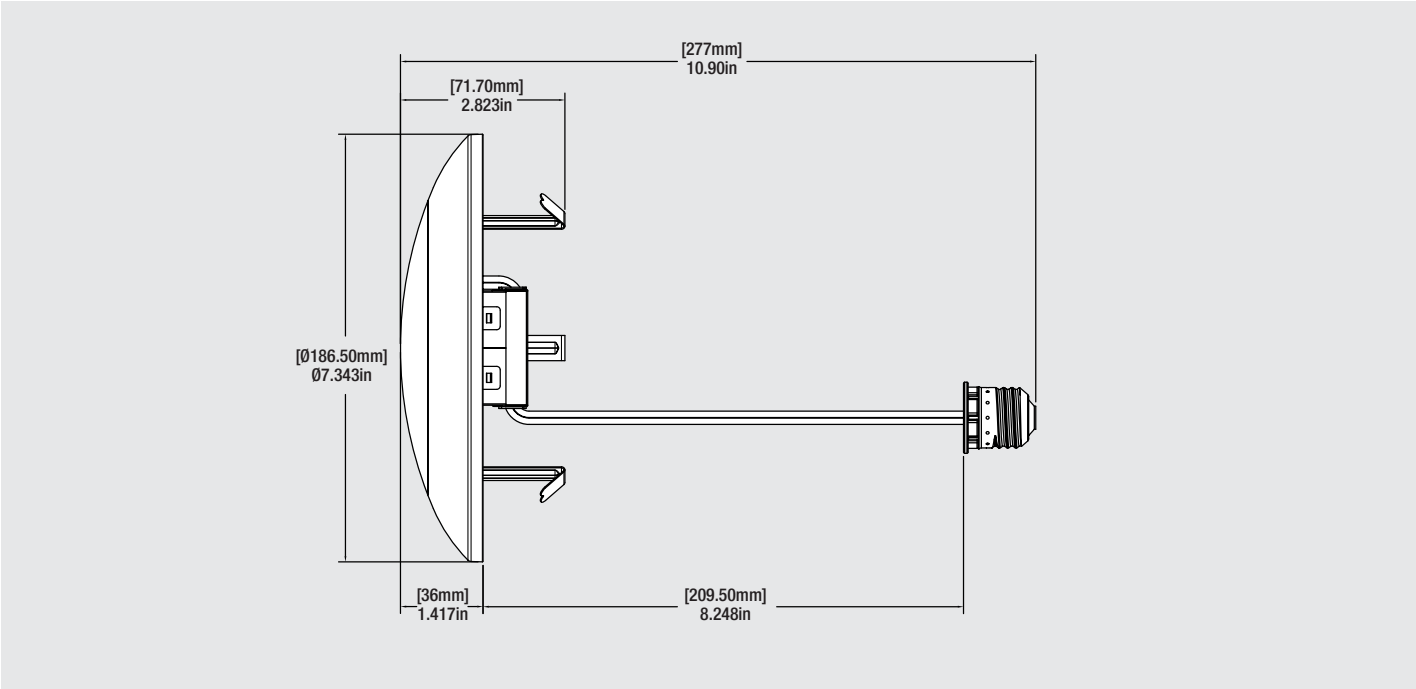
* Based on \$0.11/kWh over 35,000 hours life.

Application Information

Application Notes

- Operating temperature range between -4°F and +104°F (-20°C and +40°C).
- Suitable for use in indoor dry and damp location environments.
- Suitable for dimmers or in housings controlled by a dimmer – see www.sylvania.com/LightDisk for detailed dimmer compatibility list.
- Not intended for use with emergency light fixtures or exit lights.
- For use in housings that can structurally support a lamp weighing one pound.
- Designed to install in standard 4", 5" & 6" insulated and non-insulated housings or with standard 4" J-Box (not included) or using Connector Box (sold separately). For a list of compatible housings, please refer to www.sylvania.com/LightDisk.
- For detailed warranty information, please see www.sylvania.com/LightDisk.

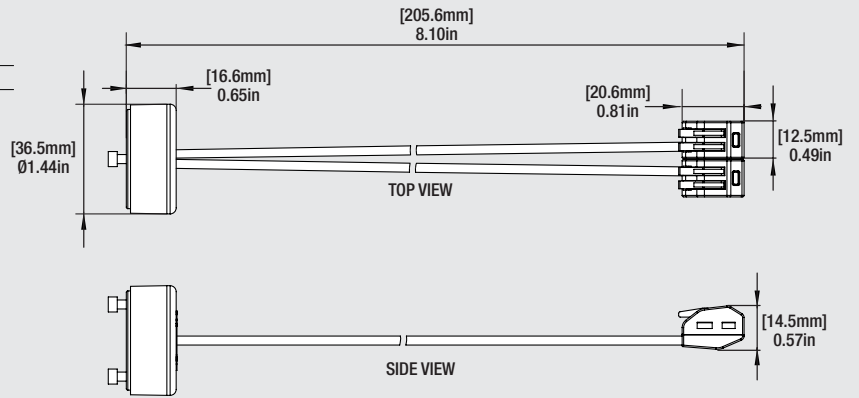
Assembly Diagram



Accessories

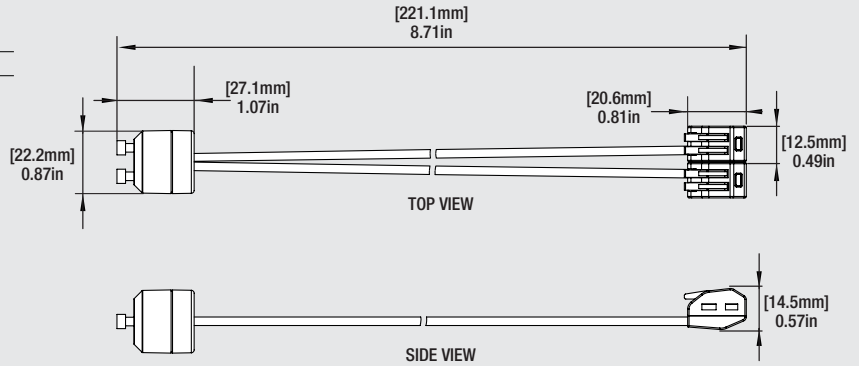
GU24 Socket Adaptor

75105 LD/GU24/ADAPTOR (sold separately)



GU10 Socket Adaptor

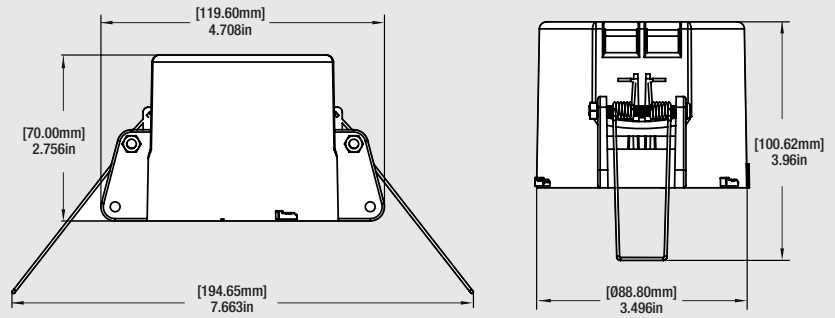
75106 LD/GU10/ADAPTOR (sold separately)



Accessories

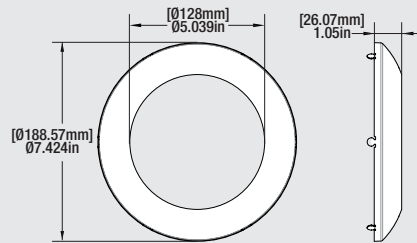
Connector Box

75104 LD/CONNECTOR/BOX (sold separately)



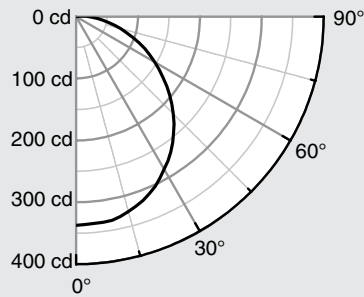
Retrofit Trim

75100 LD/TRIM/BLK (Black)
 75101 LD/TRIM/ORBZ (Bronze)
 75102 LD/TRIM/SN (Satin Nickel)



Photometric Information

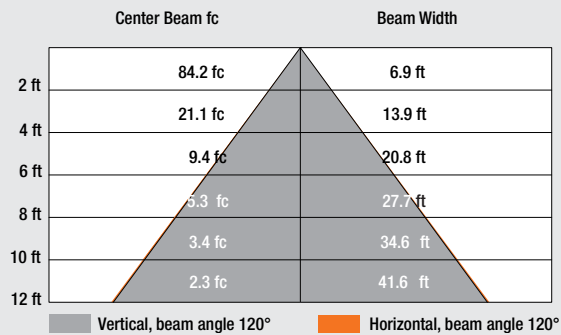
Polar Chart



Zonal Lumen Distribution

Zone	Lumens	% Fixture
0-30	258	27.6
0-40	418	44.7
0-60	721	77.2
60-90	205	22
0-90	926	99.2
90-180	7.7	0.8
0-180	934	100

Illuminance at a Distance



Spacing to Mounting Height Ratio

Spacing Criteria (0-180°)	1.24
Spacing Criteria (90-270°)	1.24
Spacing Criteria (Diagonal)	1.34

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