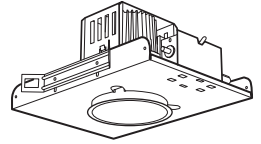


# 6" ROUND LED DOWNLIGHT

# LEDS60



**SUBMITTAL:**

**JOB:**

**TYPE:**

**VOLTAGE:**

EXAMPLE

**LEDS60 - 1100 - 35K - CS - OPTIONS - ED\*OS - 120**

SERIES

LUMEN PACKAGE

MODULE COLOR TEMPERATURE

REFLECTOR FINISH

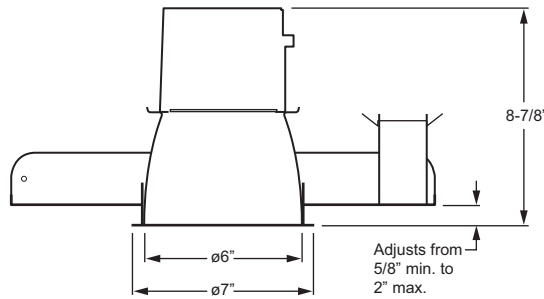
OPTIONS

DRIVER

VOLTAGE

## FEATURES

- ▶ LEDs deliver an exemplary combination of light output, high-efficacy, and pleasing color.
- ▶ Rated for 50,000 hours at 70% lumen maintenance (L70).
- ▶ Nominal 83 CRI (color rendering index).
- ▶ 3500K color temperature.
- ▶ LED module and driver accessible from below ceiling plane for ease of maintenance.
- ▶ System-integrated emergency LED driver available.
- ▶ Module-integrated heat sink dissipates heat.
- ▶ Integral pan throat field-adjusts to accommodate ceilings up to 2" thick.
- ▶ Self-flanged aluminum reflector offers maximum lamp performance and provides crisp, clean installation without unsightly light leaks.
- ▶ Adjustable hanger brackets with bar hangers standard.
- ▶ Sturdy one-piece pan construction with yoke mount.
- ▶ Easy-access 14-gauge galvanized steel junction box with two snap-on covers.
- ▶ This fixture is proudly made in the USA.



Pan Size: 12" x 16-1/4"  
Ceiling Cutout: 6-1/2"

## SPECIFICATIONS

**Housing** – 20-gauge die-formed galvanized steel pan/plaster frame with adjustable throat (5/8" to 2").

**Reflector** – Low-iridescent aluminum. Clear semi-specular (CS) finish standard.

**LED Module & Driver** – 18-watt, 1100-lumen, 3500K, Osram Sylvania DLM LED module with Osram OPTOTRONIC® constant current, Class 2 power supply. Integral cast aluminum heat sink. Twist-lock mount allows for easy field access.

**Electrical** – Prewired at factory for easy field installation. Integral thermal protector.

**Mounting** – Recessed.

**Labels** – cETLus conforms to UL STD 1598; Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations.

**Qualifications** – RoHS compliant.

**Warranty** – 5-Year Parts Warranty provided by Osram Sylvania on LED module and driver.

## ORDERING INFORMATION

### SERIES

**LEDS60** 6" Round LED Downlight

### LUMEN PACKAGE

**1100** 18-watt, 1100-lumen, Osram Sylvania DLM1100 LED module

### LED MODULE COLOR TEMPERATURE

**35K** 3500K

### REFLECTOR FINISH (Must specify)

**CS** Clear semi-specular (standard)  
**CG** Champagne gold  
**GD** Gold  
**PW** Pewter  
**SG** Satin-glow  
**SPC** Clear specular  
**STR** Straw  
**WT** Wheat

### OPTIONS

**MWT** Matte white trim  
**EM/I-2412EMA/1** Emergency LED driver

### DRIVER (Must specify)

ED*OS	Osram Sylvania LED driver
<b>EDD*LU*HILUME L3D ECO</b>	Lutron Hi-lume® LED dimming driver for Eco-System® controls
<b>EDD*LU*HILUME L3D 3WIRE</b>	Lutron Hi-lume® LED dimming driver for 3-wire controls
<b>EDD*LU*HILUME LTE LINE</b>	Lutron Hi-lume® LED dimming driver for forward phase line voltage controls (120V only)

### VOLTAGE (Must specify)

**120** 120V  
**277** 277V (not available with EDD\*LU\*HILUME LTE LINE)





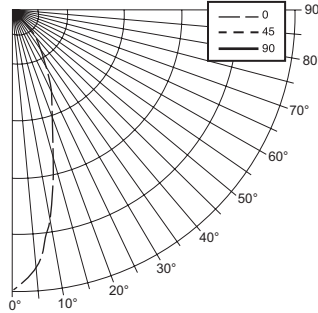
The U.S. Department of Energy's Lighting Facts® Program has verified product performance based on industry-standardized testing. For details, see H.E. Williams LEDS60 at [www.lightingfacts.com/products](http://www.lightingfacts.com/products).

## PHOTOMETRY INFORMATION

Catalog #: **LEDS60-1100-35K-SPC**

### TEST REPORT INFORMATION

- ▶ Test Report #: 14934.0
- ▶ Date: 09/23/09
- ▶ Lamp Type: LED
- ▶ Lamp Quantity: 1
- ▶ **Rated Lumens: 913**
- ▶ **Watts: 21.5**
- ▶ **Lumens Per Watt: 42**
- ▶ **CRI: 82**
- ▶ **CCT: 3433K**



### CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle 0°	Zonal Lumens
0°	1724.	
5°	1598.	152.5
15°	937.	265.5
25°	537.	248.7
35°	291.	182.6
45°	79.	61.2
55°	2.	1.9
65°	0.	0.4
75°	0.	0.0
85°	0.	0.0
90°	0.	

### ZONAL CAVITY COEFFICIENTS

	Ceiling	.80			.70			.50		
	Wall	.70	.50	.30	.70	.50	.30	.50	.30	.10
Room Cavity Ratio	0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11
	1	1.14	1.11	1.09	1.11	1.09	1.07	1.05	1.03	1.02
	2	1.08	1.04	1.00	1.06	1.02	.99	.99	.96	.94
	3	1.03	.97	.92	1.01	.96	.91	.93	.90	.87
	4	.98	.91	.86	.97	.90	.85	.88	.84	.80
	5	.94	.86	.80	.92	.85	.80	.83	.79	.75
	6	.89	.81	.75	.88	.80	.75	.79	.74	.70
	7	.85	.76	.71	.84	.76	.70	.74	.70	.66
	8	.81	.72	.67	.80	.72	.66	.71	.66	.62
	9	.78	.69	.63	.77	.68	.63	.67	.62	.59
10	.74	.65	.60	.73	.65	.60	.64	.59	.56	

Effective Floor Cavity Reflectance = .20

### LIGHT CONE QUICK CALCULATOR TABLES

	Mounting Height (Ft)	FC at Edge of Cone	FC at Nadir	Cone Dia. (Feet)	
				Across	Diagonal
Room Cavity Ratio	8	13.5	26.9	4.0	3.2
	10	8.6	17.2	5.0	4.0
	12	6.0	12.0	6.0	4.8
	14	4.4	8.8	7.0	5.6
	16	3.4	6.7	8.0	6.4
	18	2.7	5.3	9.0	7.2
	20	2.2	4.3	10.0	8.0

Effective Floor Cavity Reflectance = .20

### LUMEN SUMMARY

Zone	Lumens	% Fixture
0 - 30	667.	73.0
0 - 40	849.	93.0
0 - 60	913.	100.0
0 - 90	913.	100.0
<b>Total Luminaire:</b>		
0 - 180	913.	100.0

IES Spacing Criteria: Diagonal = 0.4  
Across = 0.5

### LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angle 0°
45	6078.
55	202.
65	48.
75	0.
90	0.

### CANDLEPOWER MULTIPLIER

Catalog Number	Reflector Finish	Conversion Factor
<b>SPC</b>	Specular	1.02
<b>CG</b>	Champagne gold	.96
<b>GD</b>	Gold	.93
<b>PW</b>	Pewter	.86
<b>STR</b>	Straw	.97
<b>WT</b>	Wheat	.88

