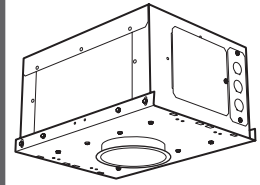


IC-RATED 4.5" ROUND LED DOWNLIGHT

ICLED545



SUBMITTAL:

JOB:

TYPE:

VOLTAGE:

EXAMPLE

ICLED545 - 800 - 35K - CS - NB - OPTIONS - ED*OS - 120

SERIES

LUMEN PACKAGE

MODULE COLOR TEMPERATURE

REFLECTOR FINISH

MOUNTING

OPTIONS

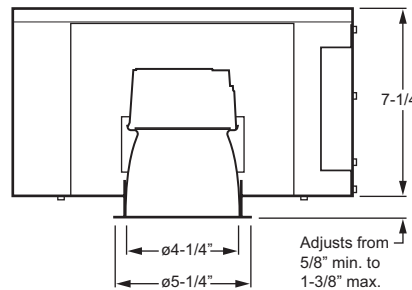
DRIVER

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.
- ▶ For use in direct contact with insulation.
- ▶ Airtight option (ATH) complies with ASTM-E283 standards; meets Washington State Energy Code.
- ▶ Module-integrated heat sink dissipates heat.
- ▶ Integral pan throat field-adjusts to accommodate ceilings up to 1-3/8" thick.
- ▶ Self-flanged aluminum reflector offers maximum lamp performance and provides crisp, clean installation without unsightly light leaks.
- ▶ This fixture is proudly made in the USA.



Pan Size: 10-1/4" x 13-3/4"
Ceiling Cutout: $\phi 4-3/4$ "

SPECIFICATIONS

Housing – 22-gauge galvanized steel housing with 20-gauge pan and adjustable throat (5/8" to 1-3/8").

Inner Housing Finish – Black TGIC polyester powder coat bonded to phosphate-free, multi-stage pretreated metal.

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

LED Module & Driver – 14-watt, 700- or 800-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.

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

Qualifications – RoHS compliant.

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

ORDERING INFORMATION

SERIES

ICLED545 IC-Rated 4.5" Round LED Downlight

LUMEN PACKAGE (Must specify)

700 14-watt, 700-lumen, Osram Sylvania DLM700 LED module
800 14-watt, 800-lumen, Osram Sylvania DLM800 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

MOUNTING (Must specify)

HB (2) Hanger brackets with (2) bar hangers (rigid bar mounting)
NB (2) Nailer bars (wood joist mounting)
TB (2) T-bar hangers (grid ceiling mounting)

OPTIONS

ATH Airtight housing
MWT Matte white trim

DRIVER (Must specify)

ED*OS	Osram Sylvania LED driver
EDD*LU*HILUME L3D ECO	Lutron Hi-lume® LED dimming driver for Eco-System® controls
EDD*LU*HILUME L3D 3WIRE	Lutron Hi-lume® LED dimming driver for 3-wire controls
EDD*LU*HILUME LTE LINE	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)





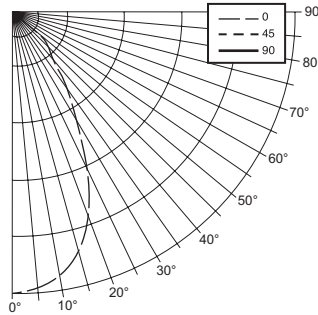
The U.S. Department of Energy's Lighting Facts® Program has verified product performance based on industry-standardized testing. For details, see H.E. Williams ICLEDS45 at www.lightingfacts.com/products.

PHOTOMETRY INFORMATION

Catalog #: ICLEDS45-800-35K-CS

TEST REPORT INFORMATION

- ▶ Test Report #: 62409.0
- ▶ Date: 05/21/09
- ▶ Lamp Type: LED
- ▶ Lamp Quantity: 1
- ▶ **Rated Lumens: 542**
- ▶ **Watts: 16.3**
- ▶ **Lumens Per Watt: 33**
- ▶ **CRI: 84**
- ▶ **CCT: 3451K**



CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle 0°	Zonal Lumens
0°	545.	
5°	540.	51.0
15°	485.	136.0
25°	340.	155.0
35°	178.	112.0
45°	92.	71.0
55°	7.	14.0
65°	2.	2.0
75°	1.	1.0
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	1.13	1.10	1.08	1.11	1.08	1.06	1.04	1.02	1.00
	2	1.07	1.02	.98	1.05	1.00	.96	.97	.94	.91
	3	1.01	.94	.89	.99	.93	.88	.90	.86	.83
	4	.96	.88	.82	.94	.86	.81	.84	.80	.76
	5	.90	.81	.75	.89	.81	.75	.79	.74	.70
	6	.85	.76	.70	.84	.75	.69	.74	.68	.64
	7	.81	.71	.65	.79	.70	.64	.69	.64	.60
	8	.77	.67	.60	.75	.66	.60	.65	.59	.56
	9	.73	.63	.56	.72	.62	.56	.61	.56	.52
	10	.69	.59	.53	.68	.58	.53	.58	.52	.49

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	4.3	8.5	7.2	7.2
	10	2.7	5.5	9.0	9.0
	12	1.9	3.8	10.8	10.8
	14	1.4	2.8	12.6	12.6
	16	1.1	2.1	14.4	14.4
	18	0.8	1.7	16.2	16.2
	20	0.7	1.4	18.0	18.0

Effective Floor Cavity Reflectance = .20

LUMEN SUMMARY

Zone	Lumens	% Fixture
0 - 30	342.	63.0
0 - 40	454.	83.7
0 - 60	539.	99.3
0 - 90	542.	100.0
Total Luminaire:		
0 - 180	542.	100.0

IES Spacing Criteria: End = 0.9
Diagonal = 0.9
Across = 0.9

LUMINANCE DATA (cd/m²)

Vertical Angle	Horizontal Angle 0°
45	13807.
55	1295.
65	502.
75	410.
90	0.

CANDLEPOWER MULTIPLIER

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

