

4.5" ROUND LED DOWNLIGHT

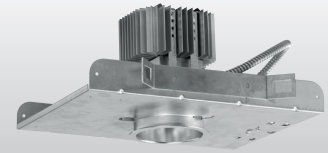
L45

dim to **WARM**

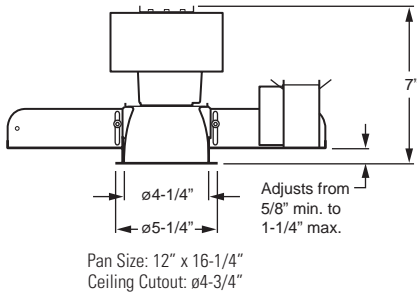
CATALOG #:	TYPE:
PROJECT:	NOTES:

EXAMPLE → **L45** - **L12/9DW** - **CS/M** - **OPTIONS** - **DIM** - **120**

SERIES LUMEN PACKAGE CRI & CCT REFLECTOR FINISH DIST. OPTIONS CONTROL VOLTAGE



CROSS SECTION



ORDERING INFORMATION

SERIES
L45 4.5" Round Downlight – Dim to Warm

LED PACKAGE

Example: L12/9DW		
LUMEN PACKAGE	NOMINAL LUMENS	WATTAGE
L12	1200	30

Nominal lumen output based on full light output, CS reflector and W distribution. Actual lumens may vary +/-5%, see fixture performance data.

COLOR
9DW Dim to warm (90 CRI, 1800K–3000K)

REFLECTOR FINISH

CS	Clear semi-specular (standard)
CG	Champagne gold
GD	Gold
PW	Pewter
SG	Satin-glow
SPC	Clear specular
STR	Straw
WH	Painted white reflector, textured (cannot be used with ___/CAL or ___/CGS)
WT	Wheat

DISTRIBUTION¹

W	60° Wide
M	40° Medium
N	30° Narrow

OPTIONS

MWT	Matte white trim
AC/CAL	Accent cone with clear acrylic lens (wide distribution only)
MB/CAL	Micro-baffle with clear acrylic lens (wide distribution only)
AC/CGS	Accent cone with clear glass lens (wide distribution only)
MB/CGS	Micro-baffle with clear glass lens (wide distribution only)
LAD	Acrylic luminous disk (CS reflector only)
LADO	Acrylic luminous disk open (CS reflector only)
LAR	Acrylic luminous ring (CS reflector only)
WET/CC	Wet location, covered ceiling listed (when specified with ___/CAL or ___/CGS options).
WW	Wall wash (wide distribution only; not available with sloped adapter options, AC, MB, AC/___ or MB/___)

CONTROL

DIM	(1) 0-10V signal to control dimming and CCT
LUT	Lutron Ecosystem enabled

VOLTAGE

120	120V
277	277V
UNV	120-277V

FEATURES

- ▶ Dim to warm from 1800K to 3000K CCT, minimum 90 CRI.
- ▶ LED module accessible from below ceiling plane for ease of maintenance (top access required for driver).
- ▶ Optional wet location under covered ceiling available when specified with ___/CAL or ___/CGS option.
- ▶ Finned, extruded aluminum, passive heat sink dissipates heat for superior thermal management.
- ▶ Delivers quality illumination in a small 4.5" aperture.
- ▶ Integral pan throat field-adjusts to accommodate ceilings up to 1-1/4" thick.
- ▶ Self-flanged aluminum reflector offers maximum optical performance and provides crisp, clean installation without unsightly light leaks.
- ▶ Adjustable hanger brackets for bar hangers standard.
- ▶ Sturdy one-piece pan construction.
- ▶ This fixture is proudly made in the USA.

¹ Beam angle/distribution does not account for options/accessories such as accent cone with lens, wall wash, acrylic accent rings, or alternate reflector finishes. Actual beam angle/distribution may vary. Consult factory with complete model number for approximate values.



L45

dim to **WARM**

4.5" ROUND LED DOWNLIGHT

FIXTURE PERFORMANCE DATA

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	WATTAGE	EFFICACY
L12	W	1168	3050K	1800K	29.7	39.3
	M	876				29.5
	N	621				20.9

SPECIFICATIONS

Housing – 20-gauge die-formed galvanized steel pan/plaster frame with adjustable throat (5/8" to 1-1/4"). Extruded aluminum heat sink.

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

Electrical – Five color, mid-power LED modules. On board thermal and optical feedback ensure color consistency of <2 step MacAdam ellipse (SDCM) and L70>50,000 hours. In-line spectral capture and storage results in consistent CRI and CCT across all arrays.

Mounting – Recessed. Top access required for driver maintenance.

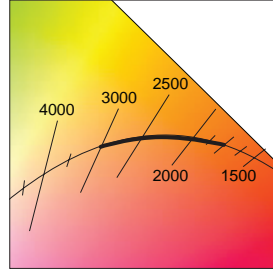
Labels – cETLus conforms to UL STD 1598; Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for damp locations. Suitable for wet location under covered ceiling when specified with AC/CAL or MB/CAL option.

Qualifications – RoHS compliant.

Warranty – 5-year limited warranty, see hew.com/warranty.

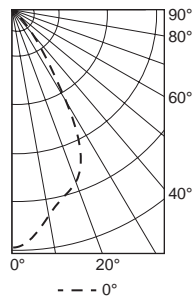
REFLECTOR FINISH MULTIPLIER TABLE

CATALOG NUMBER	REFLECTOR FINISH	CONVERSION FACTOR
CS	Clear semi-specular	1.00
SPC	Specular	1.02
CG	Champagne Gold	0.96
GD	Gold	0.93
PW	Pewter	0.86
STR	Straw	0.97
WH	White, textured	0.90
WT	Wheat	0.88



PHOTOMETRY

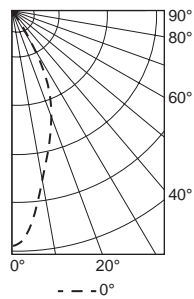
L45-L12/9DW-CS-W-DIM Total Luminaire Output: 1168 lumens; 30 Watts | Efficacy: 39 lm/W



CANDLEPOWER DISTRIBUTION	Vertical Angle	Horizontal Angle	Zonal Lumens
	0°	0°	
	0	1264	
	5	1213	113
	15	1051	297
	25	920	406
	35	365	238
	45	112	89
	55	19	20
	65	2	2
	75	1	1
	85	0	0
	90	0	0

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	816	70
	0 - 40	1055	90
	0 - 60	1164	100
	0 - 90	1168	100
	0 - 180	1168	100

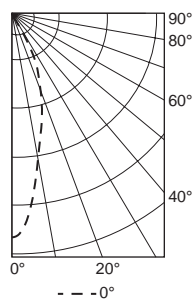
L45-L12/9DW-CS-M-DIM Total Luminaire Output: 876 lumens; 30 Watts | Efficacy: 29 lm/W



CANDLEPOWER DISTRIBUTION	Vertical Angle	Horizontal Angle	Zonal Lumens
	0°	0°	
	0	1908	
	5	1722	152
	15	1110	309
	25	660	291
	35	135	96
	45	24	20
	55	5	5
	65	3	3
	75	1	1
	85	0	1
	90	1	

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	752	86
	0 - 40	847	97
	0 - 60	872	100
	0 - 90	876	100
	0 - 180	876	100

L45-L12/9DW-CS-N-DIM Total Luminaire Output: 621 lumens; 30 Watts | Efficacy: 21 lm/W



CANDLEPOWER DISTRIBUTION	Vertical Angle	Horizontal Angle	Zonal Lumens
	0°	0°	
	0	1658	
	5	1471	128
	15	835	231
	25	437	194
	35	72	55
	45	8	9
	55	2	2
	65	1	1
	75	1	1
	85	1	1
	90	1	

LUMEN SUMMARY	Zone	Lumens	% Fixture
	0 - 30	553	89
	0 - 40	608	98
	0 - 60	618	100
	0 - 90	621	100
	0 - 180	621	100

