

DINE RECESSED

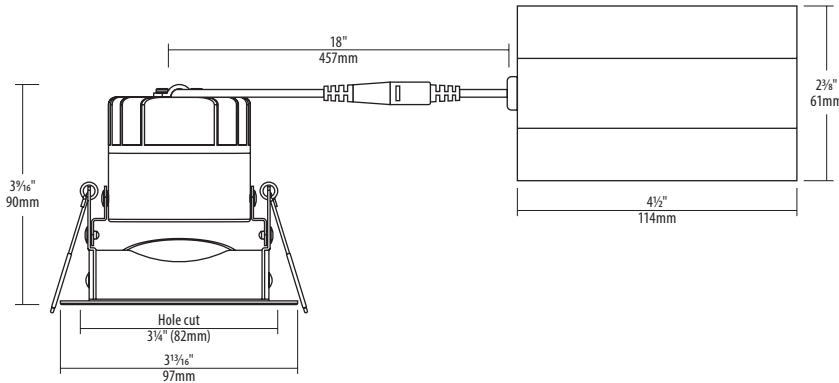
Round Reflector, 600-1200 Lumens, 7-15 Watts
Recessed Downlighting

Job Information	
Project Name	
Type	
Location	
Quantity	
Date	

Description

The DINE Series is a diverse fixture that creates a cozy environment with uniform fixtures. DINE Series allows for the ideal control of visual comfort by providing a warm and precise circle of light over dining tables. Being zero-glare, with a variety of mounting options, DINE provides one with the flexibility to make on-site lighting adjustments for perfect illumination to elevate your next restaurant project.

Technical Drawings



* IC Box Required for Non-IC models only.



FIXTURE SPECIFICATIONS

Aperture	2 1/2" (65mm)
Application	Recessed
Approved Location	Dry
Certification	cETLus
CRI	90
Dimming	Yes
Hole Cut Size	Ø 3 1/4" (82mm)
Lumen Maintenance	70% @ 50,000 Hrs
Max Ceiling Thickness	1 1/4" (32mm)
Power Factor	> 0.9
Power Supply Type	Constant Current
THD	<20%
Title 24	Yes
TM-30 Annex E	P2 / V- / F3

Delivered Lumens per Head	Option	Driver Wattage
600	A / B	7
900	C / D	12
1200	E / F	15

DR-BK-C27-V and M-TIR-0-B-A-T-N1-RM-2

Ordering Guide

Example: DRW-A30MGBF-TN1-RM1

Trim Color	Source Lumens Per Head ¹	Color Temp.	Beam Angle	Lens Type	Filter	Reflector Finish	Reflector Function	Driver Options	Emergency Backup	Voltage	Mounting	Shipping
DR												
W : White B : Black	A : 600 lm (NON-IC) B : 600 lm (IC Box) C : 900 lm (NON-IC) D : 900 lm (IC Box) E : 1200 lm (NON-IC) F : 1200 lm (IC Box)	22 : 2200 K 27 : 2700 K 30 : 3000 K 35 : 3500 K 40 : 4000 K 50 : 5000 K TW : Tunable White DW : Dim-to-Warm	S : Spot (10°) V : Very Narrow (15°) N : Narrow (24°) M : Medium (36°) W : Wide (60°)	G : TIR T : For DTW ² K : High Output ² R : Reflector ³ P : Peak ⁴	0 : No filter 1 : Honeycomb 2 : Soft lens 3 : Linear spread film 4 : Honeycomb + Linear spread film 5 : Honeycomb + Soft lens	B : Black W : White G : Gold S : Specular H : Semi-Specular	F : Fixed A : Adjustable W : Wall Wash	T : TRIAC, ELV, 120V Input, 3% Dim C : TRIAC, ELV, 0-10V, 120-277V Input S : Xitanium, TRIAC, 120V Input, 1% Dim D : DALI, Rated -40°C, 120-277V & 347V Input ⁵ M : DMX, 120-277V Input ^{5,6} L : Lutron EcoSystem, 120-277V Input	N : No Emergency Backup E : Emergency Backup ³	X : 120-277V ⁷ 1 : 120V 2 : 277V 3 : 347V	RM : Remodel ⁸ NC : New Construction IC : Type IC Box CP : Chicago Plenum	1 : Ship Complete 2 : Ship Rough-in First

Notes:

- Delivered lumen based on 3000 K.
- Not available in Beam Angle option "S".
- Available in Beam Angle options "N", "M" and "W" only.
- Not available in Beam Angle options "S" and "W".
- Above ceiling access or remote mount required.

- Not available in 347V.
- Available with IC Box options "B", "D" and "F" only.
- Not available with IC Box options "B", "D" and "F".
- Quick Ship option is available on orders of 100 pieces or less, and will ship within 7 business days. Options must be selected from Quick Ship section to qualify.

from Quick Ship section to qualify. For additional options please consult your A-Line representative. All trademarks are the property of their respective owners. Due to our continued efforts to improve our products, product specifications are subject to change without notice.

Features

Beam Angle

Total Internal Reflector (TIR) lens available in Spot (10°), Very Narrow (15°), Narrow (24°), Medium (36°) and Wide (60°).

LED Characteristics

Fixed CCT high powered BRIDGELUX® LED chip that maintains high efficacy with a typical 90 CRI. 3-Step MacAdam ellipse binning. Dim-to-Warm (3000 K ~ 1800 K) and Tunable White (2700 K ~ 5000 K) are also available. Tunable White requires an additional 0-10V signal to the driver to control CCT.

Optics

Available optical accessories include spread-lenses, Honeycomb louver and light-bending films. Up to 3 optical accessories can be combined.

Dimming

Multiple dimming options are available, 100% ~ 1% dimming with TRIAC/ELV, 100% ~ 1% dimming with 0-10V, and 100% ~ 0.1% dimming with compatible devices. Compatible with OnCloud dimmer. See LED Driver Options for details. Consult factory for compatible dimmers.

Thermal Performance

Extruded aluminum heat sink ensures optimal heat dissipation and LED life.

LED Driver

The LED driver is remote mounted to allow for a lower operating temperature of the LED, longer life, and serviceable separate from the fixture. Includes an 18" (457mm) plenum rated FT6 wire with DC 2.1 connector from the driver to the fixture. Inrush current for all drivers is compliant with NEMA 410. See LED Driver Options for more specific details.

System Protection

Integral thermal protection provided on Non-IC models to indicate improper installation. Mounted to the junction box and will disconnect if insulation is detected. Insulation must maintain 3" (76mm) clearance from top or sides.

IC Box and New Construction Chicago Plenum

Single wall aluminum housing allows fixture to be installed in insulated ceiling applications. The housing is equipped with rigid hanger bars for easy installation without warping or moving. With mounting option "CP" the fixture is

built in accordance with City of Chicago Environmental Air (CCEA).

Hanger Bars

Rigid hanger bars extend up to 25" (635mm). Score lines on the hanger bars allow for tool-less shortening down to 12" (305mm). Built-in line-up foot allows for accurate housing height during installation. Integrated T-bar clips easily snap onto T-bars.

Photometrics

See website or contact factory for IES files or additional photometry.

Shipping

Fixtures can be shipped complete or with rough-in components first, and the remainder once requested.

Environment

Suitable for use in dry locations.

Warranty

5-Year warranty.

QuickShip Made-To-Order

Made-To-Order products ship within seven business days of an order being released.

LED Driver Options

(T) TRIAC : Dimming for 120V only, 100% ~ 3% dimming.

(C) TRIAC/ELV/0-10V : TRIAC/ELV dimming for 120V only, 100% ~ 10%. 1% dimming over 0-10V is optional, but required for 277V dimming.

(S) Xitanium : Dimming for 120V only, 100% ~ 1% dimming.

(D) DALI : DALI soft dimming to 1%. Dim-to-off with standby power <0.3W. Rated to -40°C.

(M) DMX : DMX/RDM soft dimming to 0.1%. Dim-to-off with standby power <0.3W.

(L) Lutron EcoSystem : Suitable for integration into a planned or existing EcoSystem® lighting control solution. Dimming down to 1% with compatible controls.

(E) Emergency Backup : Integrated emergency battery with switchable output of 5W for 180 minutes, or 10W for 90 minutes of operation during outage.

Accessories



LC-CRTL-DIM-1

OnCloud Smart Wi-Fi dimmer, 120V, compatible with WIZ App.

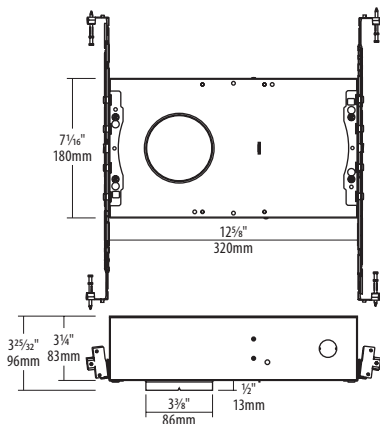


P-3000

84mm round pre-mounting plate for Dine Recessed fixtures.

Technical Drawings

Mounting: IC Box



Photometry

CCT Correction Factors :

Baseline lumens = 3000 K

Multiply 3000 K lumen values by:

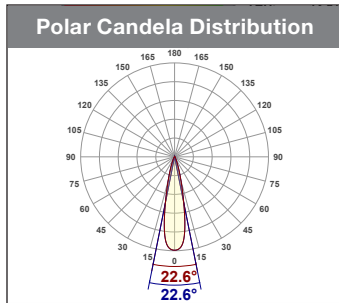
0.95 for 2700 K

1.10 for 3500 K

1.15 for 4000 K

1.20 for 5000 K

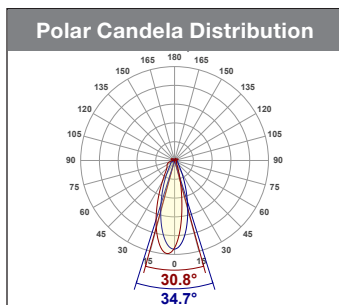
DRW-E30VG0WF-xxx-xxx : Dine Recessed, 15W, very narrow beam spread, white trim with fixed white reflector



Beam Details				
D	Lux	FC	L	W
4'	3925	365	1.6'	1.6'
8'	981	91	3.2'	3.2'
12'	436	41	4.8'	4.8'
16'	245	23	6.4'	6.4'
20'	157	15	8'	8'

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1056	89.72%
0-40	1103	93.71%
0-60	1127	95.75%
60-90	20.5	1.74%
70-100	16.7	1.42%
90-120	18.6	1.58%
0-90	1147	97.45%
90-180	29.8	2.53%
0-180	1177	100%

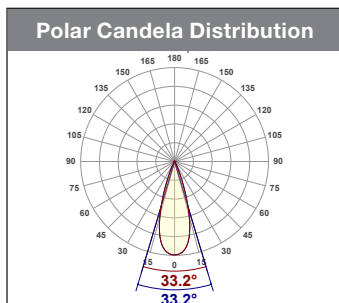
DRW-E30VG0WW-xxx-xxx : Dine Recessed, 15W, very narrow beam spread, white trim with wall wash white reflector



Beam Details				
D	Lux	FC	L	W
4'	681	63	2.3'	2.3'
8'	170	16	4.7'	4.7'
12'	76	7	7'	7'
16'	43	4	9.3'	9.3'
20'	27	3	11.7'	11.7'

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	361	45.70%
0-40	438	55.44%
0-60	550	69.62%
60-90	95.8	12.13%
70-100	61.0	7.72%
90-120	79.5	10.06%
0-90	646	81.77%
90-180	144	18.23%
0-180	790	100%

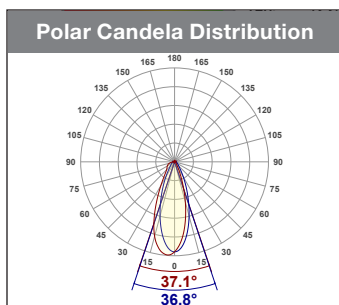
DRW-E30NG0WF-xxx-xxx : Dine Recessed, 15W, narrow beam spread, white trim with fixed white reflector



Beam Details				
D	Lux	FC	L	W
4'	2922	271	2.4'	2.4'
8'	730	68	4.8'	4.8'
12'	325	30	7.2'	7.2'
16'	183	17	9.6'	9.6'
20'	117	11	11.9'	11.9'

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1284	95.54%
0-40	1314	97.77%
0-60	1326	98.66%
60-90	9.77	0.73%
70-100	5.87	0.44%
90-120	3.89	0.29%
0-90	1335	99.33%
90-180	8.87	0.66%
0-180	1344	100%

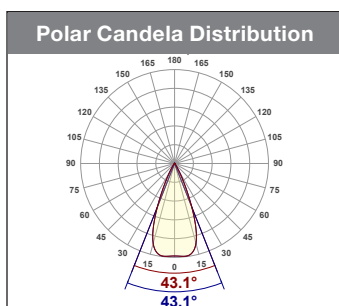
DRW-E30NG0WW-xxx-xxx : Dine Recessed, 15W, narrow beam spread, white trim with wall wash white reflector



Beam Details				
D	Lux	FC	L	W
4'	887	82	2.7'	2.7'
8'	222	21	5.4'	5.4'
12'	99	9	8.1'	8.1'
16'	55	5	10.7'	10.7'
20'	35	3	13.4'	13.4'

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	530	54.03%
0-40	638	65.04%
0-60	773	78.80%
60-90	106	10.81%
70-100	61.8	6.30%
90-120	67.7	6.90%
0-90	878	89.50%
90-180	103	10.50%
0-180	981	100%

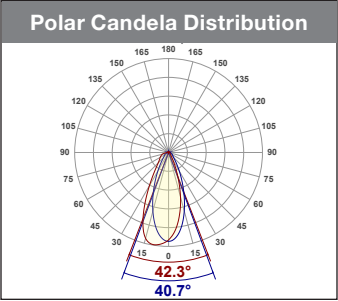
DRW-E30MG0WF-xxx-xxx : Dine Recessed, 15W, medium beam spread, white trim with fixed white reflector



Beam Details				
D	Lux	FC	L	W
4'	1718	160	3.2'	3.2'
8'	429	40	6.3'	6.3'
12'	191	18	9.5'	9.5'
16'	107	10	12.6'	12.6'
20'	69	6	15.8'	15.8'

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1200	91.19%
0-40	1266	96.20%
0-60	1287	97.80%
60-90	17.0	1.29%
70-100	9.46	0.72%
90-120	6.05	0.46%
0-90	1304	99.09%
90-180	12.0	0.91%
0-180	1316	100%

DRW-E30MG0WW-xxx-xxx : Dine Recessed, 15W, medium beam spread, white trim with wall wash white reflector



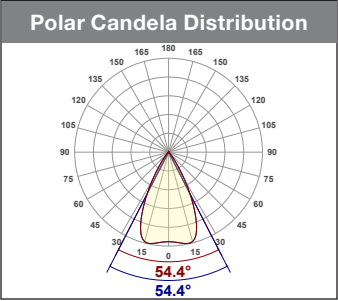
Beam Details

D	Lux	FC	L	W
4'	746	69	3.1'	3.1'
8'	186	17	6.1'	6.1'
12'	83	8	9.2'	9.2'
16'	47	4	12.3'	12.3'
20'	30	3	15.3'	15.3'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	518	53.24%
0-40	639	65.67%
0-60	780	80.16%
60-90	106	10.89%
70-100	62.3	6.40%
90-120	59.9	6.16%
0-90	886	91.06%
90-180	86.7	8.9%
0-180	973	100%

DRW-E30WG0WF-xxx-xxx : Dine Recessed, 15W, wide beam spread, white trim with fixed white reflector



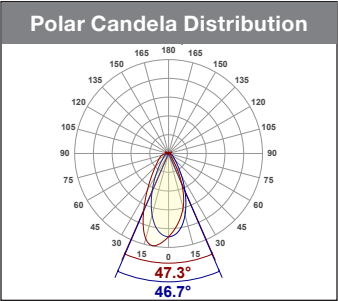
Beam Details

D	Lux	FC	L	W
4'	1074	100	4.1'	4.1'
8'	268	25	8.2'	8.2'
12'	119	11	12.3'	12.3'
16'	67	6	16.4'	16.4'
20'	43	4	20.5'	20.5'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1076	83.15%
0-40	1238	95.67%
0-60	1269	98.07%
60-90	15.3	1.18%
70-100	8.93	0.69%
90-120	4.17	0.32%
0-90	1285	99.30%
90-180	8.99	0.69%
0-180	1294	100%

DRW-E30WG0WW-xxx-xxx : Dine Recessed, 15W, wide beam spread, white trim with wall wash white reflector



Beam Details

D	Lux	FC	L	W
4'	615	57	3.5'	3.5'
8'	154	14	7'	7'
12'	68	6	10.6'	10.6'
16'	38	4	14.1'	14.1'
20'	25	2	17.6'	17.6'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	496	50.61%
0-40	629	64.18%
0-60	780	79.59%
60-90	101	10.31%
70-100	59.2	6.04%
90-120	67.5	6.89%
0-90	880	89.80%
90-180	100	10.20%
0-180	980	100%