

Part #	Prepared By
Project	Notes
Type	
Date	

VED SERIES



4" Round Downlight New Construction

Open, IC Rated LED Downlight, 750-2000 Lumens



Description

These New Construction downlights are engineered for performance and efficiency in value. Designed to provide features and options to meet the requirements of downlighting in most projects. The open spun reflector provides medium distribution and distinct cutoff. Standard 0-10V 10% driver. IC rated for direct contact with insulation. Optional Fire Rated to either 1 hour protection or 2 hour protection.

Features and Construction

ELECTRICAL SYSTEM

- 750 - 2000 lumens
- 2700K - 5000K CCT
- 80 CRI with 3 SDCM color consistency (+90 CRI optional)
- Standard 0-10V 10% dimming driver; optional drivers available
- 120V - 277V Input Volts
- Minimum 50,000 hour lifetime at L70
- -20°C to 30°C Ambient Operating Temperature Range

OPTICS

- Precision spun reflector
- Reflectors available in Alzak® and painted finishes
- Distribution is free of streaks, striations and hotspots
- 80° Wide distribution
- 45° Cutoff

FRAME & MOUNTING

- Adjustable mounting ears and junction box
- Mounting ears accept standard hanger bars 14" - 24" (incl.)
- Mounting ears designed to accept C Channel or Flat bar stock mounting.
- Galvanized steel frame with integrated junction box

Listings

- ETL certified to UL 1598 and UL8750 requirements
- Tested according to LM-79 and LM-80 standards
- Suitable for damp locations; Wet location under covered ceiling
- Buy American Act (BAA)

Warranty & Notes

- 5-year limited warranty on LED module and driver
- www.vantageltg.com/product-warranty
- Photometric tests performed by an accredited NVLP facility and in accordance to IESNA LM-79-2008 testing procedures
- Insulation can be in direct contact with luminaire


Lumens

Nominal Lumens	Delivered Lumens	Wattage	Lumens Per Watt
750	1221.2	9.14	133.61
1100	1452.72	11	132.07
1500	1903.12	15.6	122
2000	2342.23	19.14	122.37

All measured at 3500K with a standard medium distribution
*Actual Wattage/Lumens may vary.

Ordering Information

EXAMPLE: VEDIC40CR-0735K-V4060-SGC-HCR -

Series	Voltage	Lumens	Kelvin (CCT)	Reflecto	Reflector Finish	Options*
VEDIC40CR  Options in purple qualify for the Velocity Quick Ship Program up to 100 pieces (up to 30 in EM). Refer to Velocity Guide for complete details.	U - 120V-277V* *Universal Voltage	07 - 750 11 - 1100 15 - 1500	27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K	V4060 Wide 80° Open Reflector	WHT White Matte SGC Soft Glow Clear *All trims supplied standard with white painted flange.	SDM ZDM TDM HCR PF REM FR1 FR2

*Options Notes

- SDM - 0-10V 10% dimming driver (Universal Voltage)
- ZDM - 0-10V 1% dimming driver (Universal Voltage).
- TDM - Triac (Forward Phase, 120V Only) dimming driver.
- HCR - High CRI, 90+ minimum. Not available in 5000 Kelvin.
- PF - Polished Flange
- REM - Emergency battery back-up. Remote test button & indicator light.
- FRx - Fire rated to (1) hour or (2) hours

Reflector Finishes



WHT
White Matte

SGC
Soft Glow Clear

Vantage reserves the right to change components, finishes or design details in any manner which does not alter the installed appearance or reduce performance and intended function.

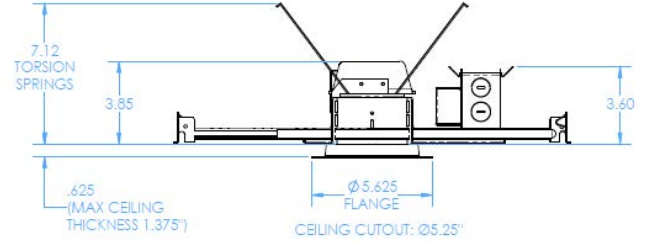
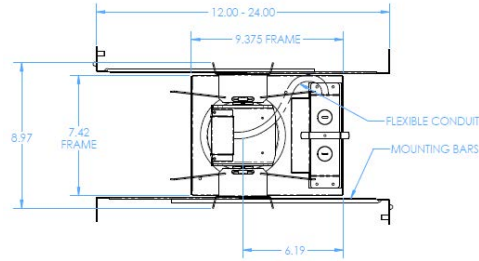
4" Round Downlight New Construction

VED SERIES

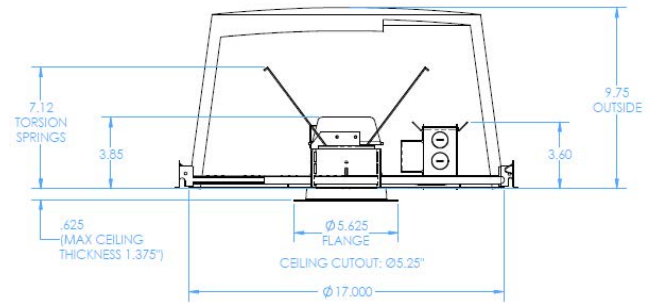
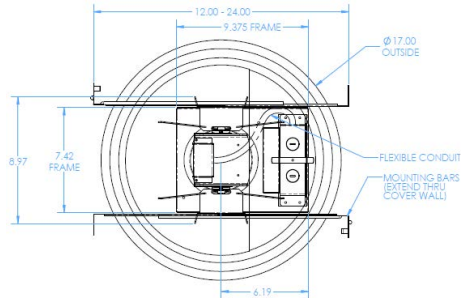
Open, LED Downlight, 750-2000 Lumens - Shallow Housing

Dimensional Data

New Construction



Optional Fire Rated



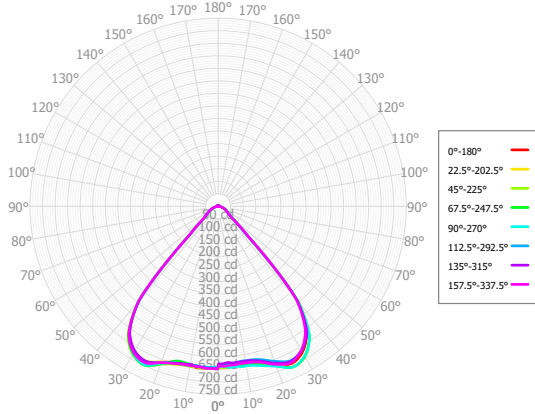
4" Round Downlight New Construction

Open, LED Downlight, 750-2000 Lumens - Shallow Housing

Photometric Data

750 Nominal Lumens, 3500K, Soft Glow Clear Reflector – Standard 80 CRI

Polar Candela Distribution



Zonal Lumen Summary

Zone	Lumens	% Fixture
0.00° - 10.00°	61.17	5.01%
10.00° - 20.00°	154.95	12.69%
20.00° - 30.00°	315.43	25.83%
30.00° - 40.00°	374.54	30.67%
40.00° - 50.00°	164.06	13.43%
50.00° - 60.00°	48.03	3.93%
60.00° - 70.00°	32.24	2.64%
70.00° - 80.00°	17.36	1.42%
80.00° - 90.00°	5.09	0.42%
90.00° - 100.00°	2.21	0.18%
100.00° - 110.00°	2.11	0.17%
110.00° - 120.00°	1.98	0.16%
120.00° - 130.00°	1.91	0.16%
130.00° - 140.00°	2.23	0.18%
140.00° - 150.00°	1.88	0.15%
150.00° - 160.00°	1.39	0.11%
160.00° - 170.00°	0.85	0.07%
170.00° - 180.00°	0.30	0.02%
0.00° - 90.00°	1206.33	98.78%
90.00° - 180.00°	14.88	1.22%
0.00° - 180.00°	1221.20	100.00%

Cone of Light

Mtg Height	Light Level	Beam Diameter
6.00 ft	17.78 fc	10.85 ft
8.00 ft	10.00 fc	14.46 ft
10.00 ft	6.40 fc	18.08 ft
12.00 ft	4.44 fc	21.69 ft
14.00 ft	3.27 fc	25.31 ft
16.00 ft	2.50 fc	28.92 ft

MULTIPLIER

CRI	Multiplier	Kelvin	Multiplier	Reflector Finis	Multiplier
80	1	2700K	0.939	WHT	0.92
90	0.81	3000K	0.975		
		3500K	1		
		4000K	1.035		
		5000K	1.098		

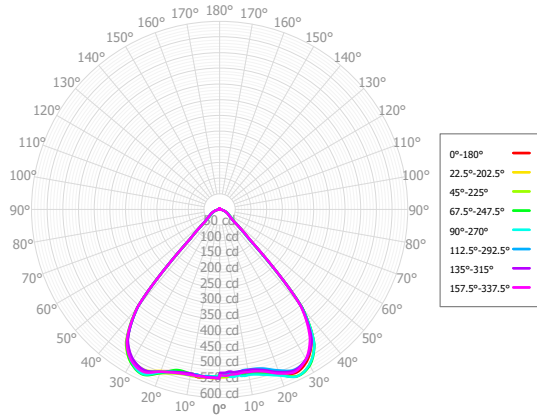
4" Round Downlight New Construction

Open, LED Downlight, 750-2000 Lumens - Shallow Housing

Photometric Data

750 Nominal Lumens, 3500K, Soft Glow Clear Reflector – HCR 90 CRI

Polar Candela Distribution



Zonal Lumen Summary

Zone	Lumens	% Fixture
0.00° - 10.00°	50.79	5.04%
10.00° - 20.00°	128.66	12.76%
20.00° - 30.00°	261.97	25.99%
30.00° - 40.00°	310.95	30.85%
40.00° - 50.00°	135.98	13.49%
50.00° - 60.00°	39.44	3.91%
60.00° - 70.00°	26.22	2.60%
70.00° - 80.00°	13.99	1.39%
80.00° - 90.00°	3.73	0.37%
90.00° - 100.00°	1.12	0.11%
100.00° - 110.00°	1.06	0.10%
110.00° - 120.00°	0.99	0.10%
120.00° - 130.00°	1.01	0.10%
130.00° - 140.00°	1.46	0.14%
140.00° - 150.00°	1.26	0.12%
150.00° - 160.00°	0.92	0.09%
160.00° - 170.00°	0.57	0.06%
170.00° - 180.00°	0.20	0.02%
0.00° - 90.00°	999.52	99.15%
90.00° - 180.00°	8.59	0.85%
0.00° - 180.00°	1008.11	100.00%

Cone of Light

Mtg Height	Light Level	Beam Diameter
6.00 ft	14.75 fc	10.84 ft
8.00 ft	8.30 fc	14.46 ft
10.00 ft	5.31 fc	18.07 ft
12.00 ft	3.69 fc	21.69 ft
14.00 ft	2.71 fc	25.30 ft
16.00 ft	2.07 fc	28.92 ft

MULTIPLIER

CRI	Multiplier	Kelvin	Multiplier	Reflector Finis	Multiplier
80	1.23	2700K	0.939	WHT	0.92
90	1	3000K	0.975		
		3500K	1		
		4000K	1.035		
		5000K	1.098		

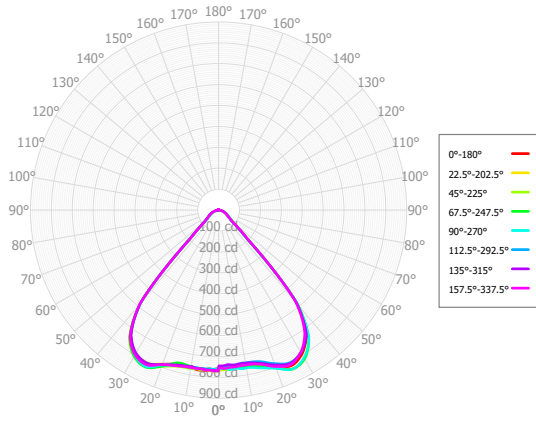
4" Round Downlight New Construction

Open, LED Downlight, 750-2000 Lumens - Shallow Housing

Photometric Data

1100 Nominal Lumens, 3500K, Soft Glow Clear Reflector – Standard 80 CRI

Polar Candela Distribution



Zonal Lumen Summary

Zone	Lumens	% Fixture
0.00° - 10.00°	72.59	5.00%
10.00° - 20.00°	183.92	12.66%
20.00° - 30.00°	374.30	25.77%
30.00° - 40.00°	444.52	30.60%
40.00° - 50.00°	194.78	13.41%
50.00° - 60.00°	57.18	3.94%
60.00° - 70.00°	38.23	2.63%
70.00° - 80.00°	20.88	1.44%
80.00° - 90.00°	6.64	0.46%
90.00° - 100.00°	3.27	0.23%
100.00° - 110.00°	3.15	0.22%
110.00° - 120.00°	2.93	0.20%
120.00° - 130.00°	2.69	0.19%
130.00° - 140.00°	2.34	0.16%
140.00° - 150.00°	2.27	0.16%
150.00° - 160.00°	1.85	0.13%
160.00° - 170.00°	1.09	0.08%
170.00° - 180.00°	0.38	0.03%
0.00° - 90.00°	1432.74	98.62%
90.00° - 180.00°	19.98	1.38%
0.00° - 180.00°	1452.72	100.00%

Cone of Light

Mtg Height	Light Level	Beam Diameter
6.00 ft	21.11 fc	10.85 ft
8.00 ft	11.88 fc	14.46 ft
10.00 ft	7.60 fc	18.08 ft
12.00 ft	5.28 fc	21.69 ft
14.00 ft	3.88 fc	25.31 ft
16.00 ft	2.97 fc	28.92 ft

MULTIPLIER

CRI	Multiplier	Kelvin	Multiplier	Reflector Finis	Multiplier
80	1	2700K	0.939	WHT	0.92
90	0.81	3000K	0.975		
		3500K	1		
		4000K	1.035		
		5000K	1.098		

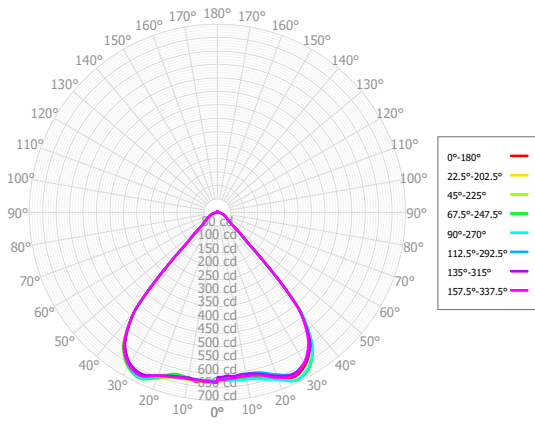
4" Round Downlight New Construction

Open, LED Downlight, 750-2000 Lumens - Shallow Housing

Photometric Data

1100 Nominal Lumens, 3500K, Soft Glow Clear Reflector - HCR 90 CRI

Polar Candela Distribution



Zonal Lumen Summary

Zone	Lumens	% Fixture
0.00° - 10.00°	59.70	5.02%
10.00° - 20.00°	151.23	12.71%
20.00° - 30.00°	307.79	25.87%
30.00° - 40.00°	365.55	30.73%
40.00° - 50.00°	159.91	13.44%
50.00° - 60.00°	46.59	3.92%
60.00° - 70.00°	31.00	2.61%
70.00° - 80.00°	16.56	1.39%
80.00° - 90.00°	5.04	0.42%
90.00° - 100.00°	2.18	0.18%
100.00° - 110.00°	2.10	0.18%
110.00° - 120.00°	1.94	0.16%
120.00° - 130.00°	1.79	0.15%
130.00° - 140.00°	1.57	0.13%
140.00° - 150.00°	1.64	0.14%
150.00° - 160.00°	1.39	0.12%
160.00° - 170.00°	0.81	0.07%
170.00° - 180.00°	0.28	0.02%
0.00° - 90.00°	1176.02	98.85%
90.00° - 180.00°	13.69	1.15%
0.00° - 180.00°	1189.71	100.00%

Cone of Light

Mtg Height	Light Level	Beam Diameter
6.00 ft	17.36 fc	10.84 ft
8.00 ft	9.77 fc	14.46 ft
10.00 ft	6.25 fc	18.07 ft
12.00 ft	4.34 fc	21.69 ft
14.00 ft	3.19 fc	25.30 ft
16.00 ft	2.44 fc	28.91 ft

MULTIPLIER

CRI	Multiplier	Kelvin	Multiplier	Reflector Finis	Multiplier
80	1.23	2700K	0.939	WHT	0.92
90	1	3000K	0.975		
		3500K	1		
		4000K	1.035		
		5000K	1.098		

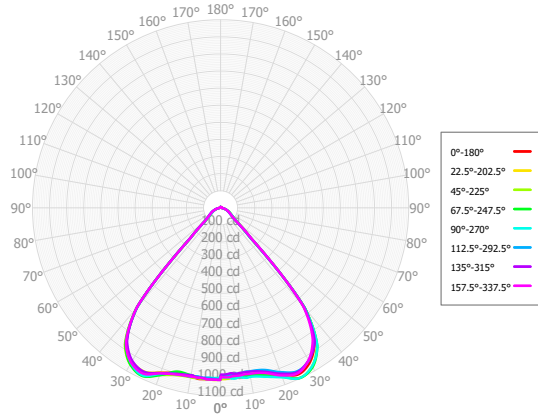
4" Round Downlight New Construction

Open, LED Downlight, 750-2000 Lumens - Shallow Housing

Photometric Data

1500 Nominal Lumens, 3500K, Soft Glow Clear Reflector – Standard 80 CRI

Polar Candela Distribution



Zonal Lumen Summary

Zone	Lumens	% Fixture
0.00° - 10.00°	95.01	4.99%
10.00° - 20.00°	240.66	12.65%
20.00° - 30.00°	489.89	25.74%
30.00° - 40.00°	581.79	30.57%
40.00° - 50.00°	255.15	13.41%
50.00° - 60.00°	75.24	3.95%
60.00° - 70.00°	50.41	2.65%
70.00° - 80.00°	27.86	1.46%
80.00° - 90.00°	8.89	0.47%
90.00° - 100.00°	4.36	0.23%
100.00° - 110.00°	4.21	0.22%
110.00° - 120.00°	3.92	0.21%
120.00° - 130.00°	3.59	0.19%
130.00° - 140.00°	3.12	0.16%
140.00° - 150.00°	2.90	0.15%
150.00° - 160.00°	2.31	0.12%
160.00° - 170.00°	1.38	0.07%
170.00° - 180.00°	0.48	0.03%
0.00° - 90.00°	1876.86	98.62%
90.00° - 180.00°	26.26	1.38%
0.00° - 180.00°	1903.12	100.00%

Cone of Light

Mtg Height	Light Level	Beam Diameter
6.00 ft	27.61 fc	10.85 ft
8.00 ft	15.53 fc	14.46 ft
10.00 ft	9.94 fc	18.08 ft
12.00 ft	6.90 fc	21.69 ft
14.00 ft	5.07 fc	25.31 ft
16.00 ft	3.88 fc	28.92 ft

MULTIPLIER

CRI	Multiplier	Kelvin	Multiplier	Reflector Finis	Multiplier
80	1	2700K	0.939	WHT	0.92
90	0.81	3000K	0.975		
		3500K	1		
		4000K	1.035		
		5000K	1.098		

4" Round Downlight New Construction

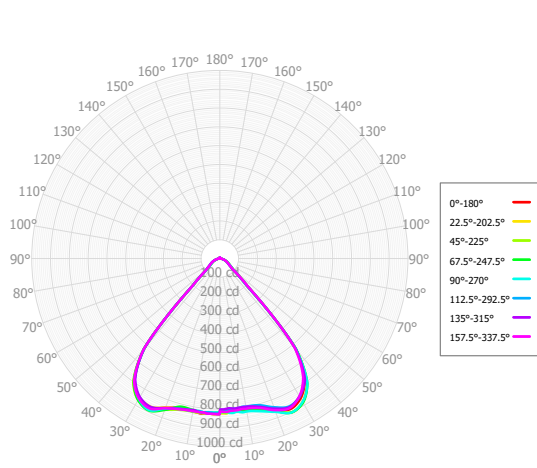
VED SERIES

Open, LED Downlight, 750-2000 Lumens - Shallow Housing

Photometric Data

1500 Nominal Lumens, 3500K, Soft Glow Clear Reflector - HCR 90 CRI

Polar Candela Distribution



Zonal Lumen Summary

Zone	Lumens	% Fixture
0.00° - 10.00°	78.14	5.00%
10.00° - 20.00°	197.94	12.68%
20.00° - 30.00°	402.92	25.80%
30.00° - 40.00°	478.49	30.64%
40.00° - 50.00°	209.58	13.42%
50.00° - 60.00°	61.43	3.93%
60.00° - 70.00°	41.07	2.63%
70.00° - 80.00°	22.56	1.44%
80.00° - 90.00°	6.77	0.43%
90.00° - 100.00°	3.27	0.21%
100.00° - 110.00°	3.15	0.20%
110.00° - 120.00°	2.93	0.19%
120.00° - 130.00°	2.69	0.17%
130.00° - 140.00°	2.34	0.15%
140.00° - 150.00°	2.27	0.15%
150.00° - 160.00°	1.85	0.12%
160.00° - 170.00°	1.09	0.07%
170.00° - 180.00°	0.38	0.02%
0.00° - 90.00°	1541.64	98.72%
90.00° - 180.00°	19.98	1.28%
0.00° - 180.00°	1561.62	100.00%

Cone of Light

Mtg Height	Light Level	Beam Diameter
6.00 ft	22.72 fc	10.85 ft
8.00 ft	12.78 fc	14.46 ft
10.00 ft	8.18 fc	18.08 ft
12.00 ft	5.68 fc	21.69 ft
14.00 ft	4.17 fc	25.31 ft
16.00 ft	3.20 fc	28.92 ft

MULTIPLIER

CRI	Multiplier	Kelvin	Multiplier	Reflector Finis	Multiplier
80	1.23	2700K	0.939	WHT	0.92
90	1	3000K	0.975		
		3500K	1		
		4000K	1.035		
		5000K	1.098		

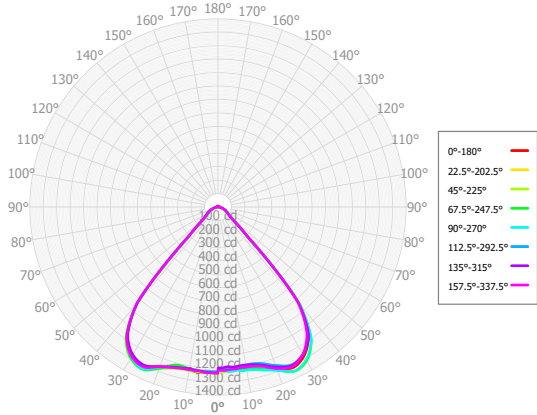
4" Round Downlight New Construction

Open, LED Downlight, 750-2000 Lumens - Shallow Housing

Photometric Data

2000 Nominal Lumens, 3500K, Soft Glow Clear Reflector – Standard 80 CRI

Polar Candela Distribution



Zonal Lumen Summary

Zone	Lumens	% Fixture
0.00° - 10.00°	116.65	4.98%
10.00° - 20.00°	295.46	12.61%
20.00° - 30.00°	601.46	25.68%
30.00° - 40.00°	714.41	30.50%
40.00° - 50.00°	313.59	13.39%
50.00° - 60.00°	93.01	3.97%
60.00° - 70.00°	62.64	2.67%
70.00° - 80.00°	35.02	1.50%
80.00° - 90.00°	11.35	0.48%
90.00° - 100.00°	5.48	0.23%
100.00° - 110.00°	5.27	0.22%
110.00° - 120.00°	4.91	0.21%
120.00° - 130.00°	4.60	0.20%
130.00° - 140.00°	4.57	0.20%
140.00° - 150.00°	4.15	0.18%
150.00° - 160.00°	3.24	0.14%
160.00° - 170.00°	1.94	0.08%
170.00° - 180.00°	0.69	0.03%
0.00° - 90.00°	2307.38	98.51%
90.00° - 180.00°	34.85	1.49%
0.00° - 180.00°	2342.23	100.00%

Cone of Light

Mtg Height	Light Level	Beam Diameter
6.00 ft	33.92 fc	10.85 ft
8.00 ft	19.08 fc	14.46 ft
10.00 ft	12.21 fc	18.08 ft
12.00 ft	8.48 fc	21.69 ft
14.00 ft	6.23 fc	25.31 ft
16.00 ft	4.77 fc	28.92 ft

MULTIPLIER

CRI	Multiplier	Kelvin	Multiplier	Reflector Finis	Multiplier
80	1	2700K	0.939	WHT	0.92
90	0.81	3000K	0.975		
		3500K	1		
		4000K	1.035		
		5000K	1.098		

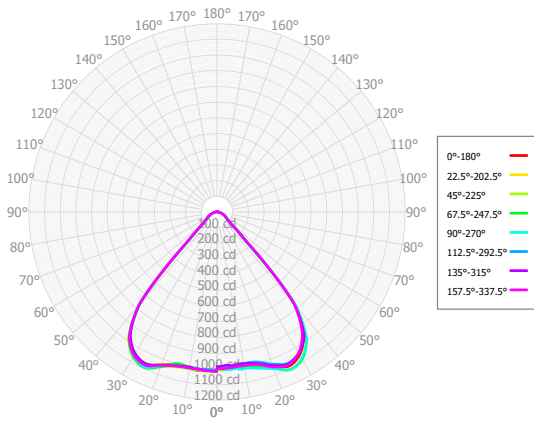
4" Round Downlight New Construction

Open, LED Downlight, 750-2000 Lumens - Shallow Housing

Photometric Data

2000 Nominal Lumens, 3500K, Soft Glow Clear Reflector – HCR 90 CRI

Polar Candela Distribution



Zonal Lumen Summary

Zone	Lumens	% Fixture
0.00° - 10.00°	95.96	4.99%
10.00° - 20.00°	243.03	12.64%
20.00° - 30.00°	494.77	25.74%
30.00° - 40.00°	587.59	30.57%
40.00° - 50.00°	257.73	13.41%
50.00° - 60.00°	76.10	3.96%
60.00° - 70.00°	51.10	2.66%
70.00° - 80.00°	28.25	1.47%
80.00° - 90.00°	8.89	0.46%
90.00° - 100.00°	4.36	0.23%
100.00° - 110.00°	4.21	0.22%
110.00° - 120.00°	3.92	0.20%
120.00° - 130.00°	3.59	0.19%
130.00° - 140.00°	3.12	0.16%
140.00° - 150.00°	2.90	0.15%
150.00° - 160.00°	2.31	0.12%
160.00° - 170.00°	1.38	0.07%
170.00° - 180.00°	0.48	0.03%
0.00° - 90.00°	1895.90	98.63%
90.00° - 180.00°	26.26	1.37%
0.00° - 180.00°	1922.16	100.00%

Cone of Light

Mtg Height	Light Level	Beam Diameter
6.00 ft	27.89 fc	10.84 ft
8.00 ft	15.69 fc	14.46 ft
10.00 ft	10.04 fc	18.07 ft
12.00 ft	6.97 fc	21.69 ft
14.00 ft	5.12 fc	25.30 ft
16.00 ft	3.92 fc	28.92 ft

MULTIPLIER

CRI	Multiplier	Kelvin	Multiplier	Reflector Finis	Multiplier
80	1.23	2700K	0.939	WHT	0.92
90	1	3000K	0.975		
		3500K	1		
		4000K	1.035		
		5000K	1.098		