



clear diffuse
reflector



warm diffuse
reflector



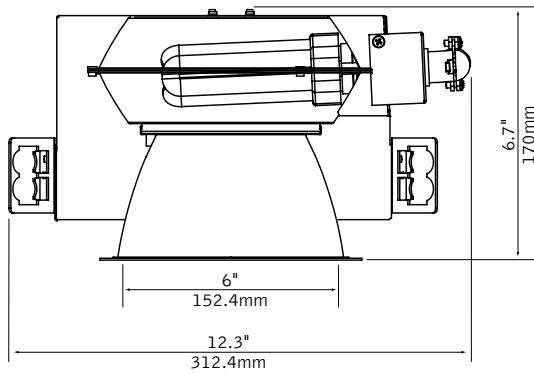
non-painted trim



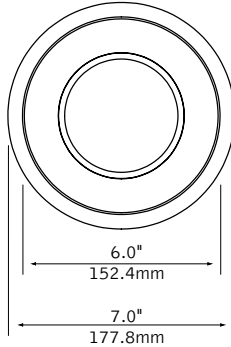
white painted trim

DIMENSIONAL DATA

downlight



trim



FEATURES

Unique SmartShell™ optical design maximizes efficiency.

Shallow housing with horizontal lamping.

Self-flanged or painted trim provides a smooth transition to the ceiling.

Trim fits tightly to ceiling via torsion springs.

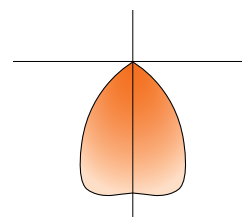
Accommodates ceilings up to 1" thick.

Diffuse reflectors offer glare control and 55-degree cut-off to lamp and its image.

PERFORMANCE

PRODUCT OVERVIEW

Lumen Output: 702-1404lm
Wattage: 19-36W
Lamping: TT



Downlight, Clear Diffuse
1-Lamp 32W Triple Tube

58% Efficient

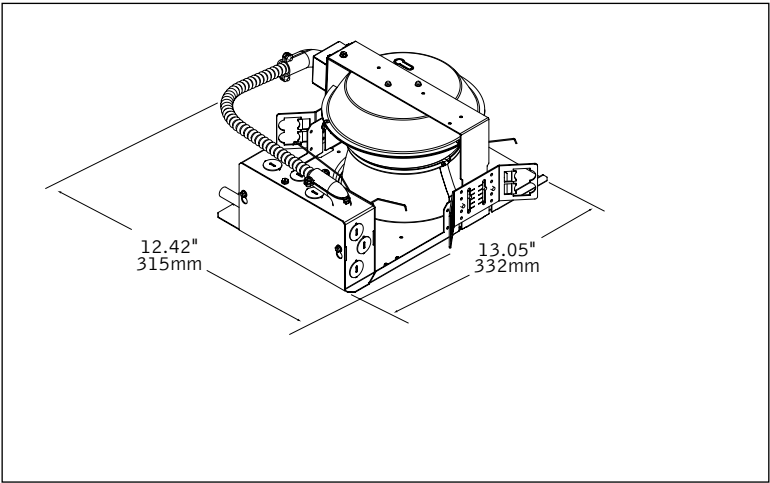
890 cd @ 15°

Visit focalpointlights.com for complete photometric data.

fixture:

project:

DETAILS



SPECIFICATIONS

Housing

Frame may be installed into ceiling thicknesses up to 1". For thicker ceiling consult factory. Butterfly brackets allow mounting to ½ emt. Order bar hangers as an accessory. Galvanized steel frame includes large Junction box 7" x 3.5" with (10) ½" pry outs. UL listed for through branch wiring, four #12 90°C conductors. Thermally protected housing for new construction applications without direct contact with insulation. Insulation to be kept 3" away from housing.

Upper Reflector

SmartShell upper reflector constructed of .05 spun aluminum. Keyhole slots allow reflector to shift to gain access to ballast from below ceiling. Reflector finished in High Reflectance White powder coat. Lamp tilted 5° for optimal thermal performance.

Trim

.05 spun aluminum parabolic reflector cone ensures glare-free optics. Reflector provides 55-degree cut off to lamp and lamp image. Trim attaches to housing via torsion springs. Trims are self-flanged, non-painted to match reflector finish. White painted flange may also be specified. Optional .125" thick micro-prismatic glass lens obscures lamp.

Electrical

Luminaires are pre-wired for single circuit with thermally protected Class "P" program start <10% THD electronic ballast. One lamp triple tube compact fluorescent, 4-pin, 26W/32W -(GX24q-3). Rotary lock socket allows for easy lamp removal and reduces lamp breakage. Integral emergency battery test switch and indicator light in optic.

Labels

UL & cUL listed. Lensed version suitable for wet location.

HOUSING ORDERING

Housing Series		FC6D
ID CFL Round Housing	FC6D	
Lamp		
18W Triple Tube, GX24q-2	18TT	
26W Triple Tube, Gx24q-3	26TT	
32W Triple Tube, Gx24q-3	32TT	
Ballast		
Electronic Program Start <10% THD	S	
0-10V	D7	
2-wire Line Voltage	D1	
Lutron EcoSystem Digital	DB	
Lutron EcoSystem 3-wire	D2	
Voltage		
120V	120	
277V	277	
347V	347	
(Consult factory for dimming options)		
Trim Type		RO
Round Overlap	RO	
Housing Type		T
Thermally Protected, Non-IC	T	
Factory Options		
Bar Hangers	BH	
Chicago Plenum	CP	
Emergency Battery Pack*	EM	
HLR/GLR Fuse	FU	
Include 3000K Lamp	L830	
Include 3500K Lamp	L835	
Include 4100K Lamp	L841	
TRIM ORDERING		
Aperture		D6
6" Round Aperture	D6	
Trim Type		RD
Round	RD	
Optic		
Downlight	DN	
Regress Lens	RL	
Color		
Clear Diffuse	CD	
Warm Diffuse	WD	
Flange Finish		
Non-Painted, Self-flanged	NP	
White Painted	WP	

A complete unit consists of two line items, housing and trim
Example: FC6D-26TT-S-120-RO-T | D6-RD-DN-CD-NP

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CFL DOWNLIGHT

FC6D-26TT-S-120-RO-T / D6-RO-DN-CD-NP

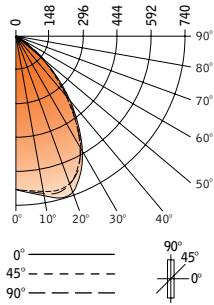
Filename: D6DNCD26TT.IES

Lumens: 1104lm

Test #: 15283.0

Efficiency 61%

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	676	676	676	676	676	
5°	686	685	687	691	696	66
15°	707	716	718	735	740	205
25°	654	662	646	657	667	604
35°	442	451	462	460	474	288
45°	240	241	240	239	243	186
55°	53	50	52	60	49	48
65°	7	7	7	7	7	7
75°	1	1	1	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	575	31.9	52.0
0-40°	862	47.9	78.1
0-60°	1096	60.9	99.2
0-90°	1104	61.4	100.0
Total Luminaire 0-180°	1104	61.4	100.0

LUMINANCE DATA (cd/m²)

Vertical Angle	0°	45°	90°
45°	14502	14502	14683
55°	3948	3873	3650
65°	708	708	708
75°	165	165	330
85°	0	0	0

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70				20 50				30				10				00			
	70	50	30	10	70	50	10		50	10			50	10			50	10			50	10		
RCR 0	73	73	73	73	71	71	71		68	68			65	65			63	63			61	61		
1	69	68	66	64	68	66	63		64	62			61	60			59	58			57	57		
2	66	62	60	58	64	61	57		59	56			58	54			56	53			52	52		
3	62	58	54	52	61	57	51		55	51			54	50			52	49			48	48		
4	58	53	49	47	57	52	46		51	46			50	45			49	45			44	44		
5	55	49	45	42	54	48	42		47	42			46	41			45	41			40	40		
6	51	45	41	38	50	45	38		44	38			43	38			42	37			36	36		
7	48	42	38	35	47	41	35		41	34			40	34			39	34			33	33		
8	45	38	34	31	44	38	31		37	31			36	31			36	31			30	30		
9	42	35	31	28	41	35	28		34	28			33	28			33	27			27	27		
10	39	32	28	25	38	32	25		31	25			31	25			30	25			24	24		

Go to www.focalpointlights.com for additional photometric data.

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CFL DOWNLIGHT

FC6D-32TT-S-120-RO-T / D6-RO-DN-CD-NP

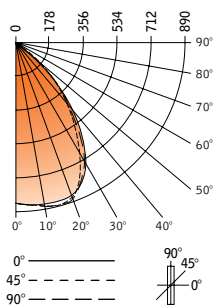
Filename: D6DNCD32TT.IES

Lumens: 1397lm

Test #: 15233.0

Efficiency 58%

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	848	848	848	848	848	
5°	858	855	857	860	861	82
15°	885	890	886	870	865	250
25°	788	788	803	820	819	372
35°	538	577	587	604	600	367
45°	308	317	319	320	321	246
55°	73	74	79	77	76	68
65°	9	9	9	9	9	9
75°	3	2	2	2	2	2
85°	1	0	1	1	1	1
90°	0	0	0	0	0	0

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	703	29.9	50.4
0-40°	1070	44.6	76.6
0-60°	1385	57.7	99.1
0-90°	1397	58.2	100.0
Total Luminaire 0-180°	1397	58.2	100.0

LUMINANCE DATA (cd/m²)

Vertical Angle	0°	45°	90°
45°	14502	14502	14683
55°	3948	3873	3650
65°	708	708	708
75°	165	165	330
85°	0	0	0

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70				20 50				30				10				00			
	70	50	30	10	70	50	10		50	10			50	10			50	10			50	10		
RCR 0	73	73	73	73	71	71	71		68	68			65	65			63	63			61	61		
1	69	68	66	64	68	66	63		64	62			61	60			59	58			57	57		
2	66	62	60	58	64	61	57		59	56			58	54			56	53			52	52		
3	62	58	54	52	61	57	51		55	51			54	50			52	49			48	48		
4	58	53	49	47	57	52	46		51	46			50	45			49	45			44	44		
5	55	49	45	42	54	48	42		47	42			46	41			45	41			40	40		
6	51	45	41	38	50	45	38		44	38			43	38			42	37			36	36		
7	48	42	38	35	47	41	35		41	34			40	34			39	34			33	33		
8	45	38	34	31	44	38	31		37	31			36	31			36	31			30	30		
9	42	35	31	28	41	35	28		34	28			33	28			33	27			27	27		
10	39	32	28	25	38	32	25		31	25			31	25			30	25			24	24		

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CFL DOWNLIGHT

FC6D-42TT-S-120-RO-T / D6-RO-DN-CD-NP

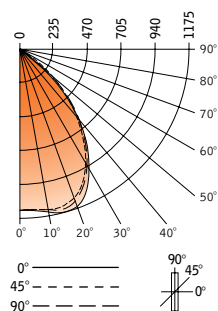
Filename: D6DNCD42TT.IES

Lumens: 1851lm

Test #: 15285.0

Efficiency 58%

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	1117	1117	1117	1117	1117	
5°	1124	1119	1114	1115	1115	107
15°	1126	1123	1153	1168	1173	326
25°	1022	1026	1036	1063	1074	483
35°	746	767	774	805	797	490
45°	430	445	437	449	445	342
55°	94	90	109	100	106	90
65°	10	11	11	11	12	11
75°	3	3	3	3	3	3
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	915	28.6	49.4
0-40°	1405	43.9	75.9
0-60°	1837	57.4	99.2
0-90°	1851	57.8	100.0
Total Luminaire 0-180°	1851	57.8	100.0

LUMINANCE DATA (cd/m²)

Vertical Angle	0°	45°	90°
45°	25982	26405	26888
55°	7002	8119	7896
65°	1011	1112	1213
75°	495	495	495
85°	0	0	0

CO-EFFICIENTS OF UTILIZATION

	Floor				Ceiling				Wall				RCR			
	70	50	30	10	70	50	10	20	50	30	10	00	0	1	2	3
RCR 0	69	69	69	69	67	67	67	64	64	62	62	59	59	58	58	58
1	65	64	62	61	64	62	60	60	58	58	56	56	55	53	53	53
2	62	59	56	54	60	58	53	56	52	54	51	52	50	49	49	49
3	58	54	51	48	57	53	48	52	47	50	47	49	46	45	45	45
4	55	50	46	44	54	49	43	48	43	47	42	46	42	41	41	41
5	51	46	42	39	50	45	39	44	39	43	38	42	38	37	37	37
6	48	42	38	36	47	42	35	41	35	40	35	39	35	34	34	34
7	45	39	35	32	44	38	32	38	32	37	32	36	31	31	31	31
8	42	35	31	29	41	35	29	34	28	34	28	33	28	27	27	27
9	39	32	28	26	38	32	25	31	25	31	25	30	25	24	24	24
10	36	29	26	23	35	29	23	29	23	28	23	28	23	22	22	22

Numbers indicate percentage values of reflectivity.

Go to www.focalpointlights.com for additional photometric data.