

id[®] 4.5" x 6.75"

CFL DOWNLIGHT

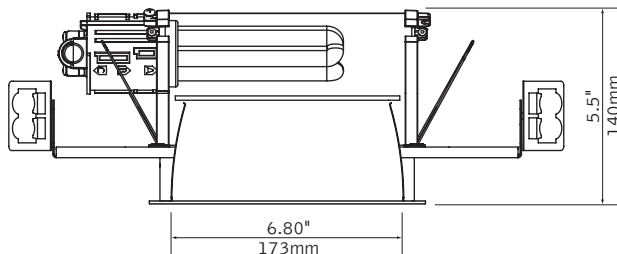


MicroGlow™ lens

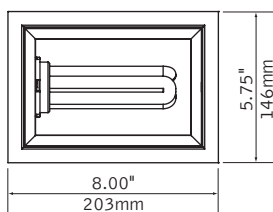


DIMENSIONAL DATA

downlight



trim



FEATURES

Centered optics achieved with CenterLock™ die-cast socket cup which locates and locks lamp in center of aperture.

LampAlign™ allows installation of upper reflector in any direction regardless of housing direction. Lamps are aligned for consistent appearance and light distribution.

Reflector design eliminates tabs in corners for a seamless look with no light leaks.

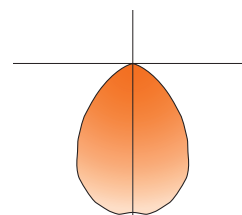
1" tall housing collar rotates up to 90° to promote alignment with walls and adjacent luminaires.

55-degree cut-off to lamp and its image.

PERFORMANCE

PRODUCT OVERVIEW

Lumen Output: 635-1319lm
Wattage: 28-48W
Lamping: TT



Downlight, Clear Diffuse
1-Lamp 42W Triple Tube

38% Efficient

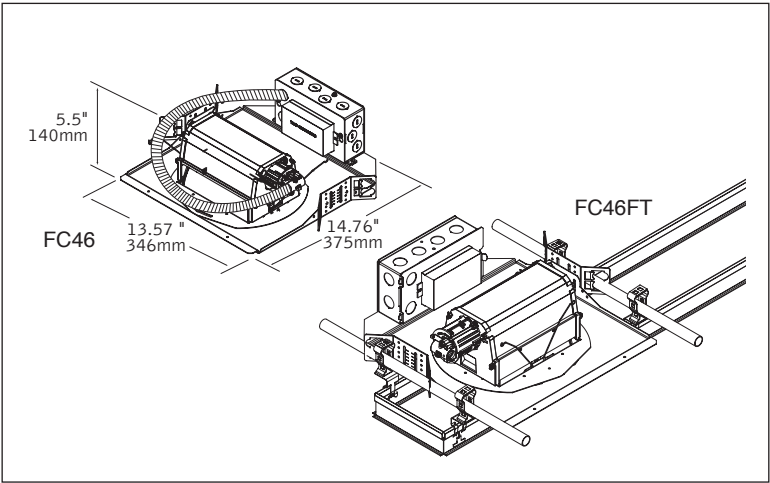
771 cd @ 5°

Visit focalpointlights.com for complete photometric data.

fixture:

project:

DETAILS



SPECIFICATIONS

Housing

Frame features up to 35-degree locking adjustment of aperture after installation for parallel alignment to walls or adjacent fixtures. Frame may be installed into ceiling thicknesses up to 1". For thicker ceiling consult factory. Flex conduit with screw tight fittings mechanically fasten to CenterLock™ socket cup. CenterLock™ provides proper venting for lamps. 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) 1/2" pry outs. UL listed for through branch wiring, four #12 90°C conductors.

Upper Reflector

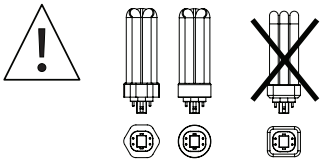
Multi-faceted steel upper reflector mounts to die cast end caps and is finished in High Reflectance White powder coat. Lamp always maintains proper center location in optic due to the adjustable locking, keyed socket cup which ensures optimal lamp location for 26, 32 or 42 watt lamps.

Trim

Lower reflector provides 55-degree cut off to lamp and lamp image. 0.125" thick MicroGlow™ micro prism lens provides uniform distribution, lamp obscuration. Parabolic aluminum fastens to die-cast flange on overlap trim. Trim attaches to upper reflector via torsion springs. Upper reflector and lower reflector ship separately from housing frame to avoid construction abuse.

Electrical

Luminaires are pre-wired for single circuit with thermally protected Class "P" program start <10% THD electronic ballast. Integral emergency battery test switch and indicator light in optic. Rotary lock socket allows for easy lamp removal and reduces lamp breakage. One lamp triple tube compact fluorescent, 26W/32W (Gx24q-3), 42W (Gx24q-4). OSI and GE lamps only.



Labels

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

Finish

Trim flange, end caps and upper reflector finished in polyester powder coat over a 5-stage pre-treatment.

HOUSING ORDERING

Housing Series		
ID CFL Rectangular Housing	FC46	
ID CFL Rectangular for mounting between 6" on center tees (not recommended with single-tile spacing between fixtures due to ceiling tile interference)	FC46FT	
Lamp (OSI & GE lamps only)		
26W Triple Tube, Gx24q-3 (Includes wattage restriction label)	26TT	
32W Triple Tube, GX24q-3 (Includes wattage restriction label)	32TT	
42W Triple Tube, GX24q-3	42TT	
Ballast		
Electronic Program Start <10% THD	S	
Electronic Dimming Ballast*	D	
Voltage		
120V	120	
277V	277	
347V	347	
Trim Type		
Square Flush	SF	
Square Overlap	SO	
Housing Type		T
Thermally Protected, Non-IC	T	
Factory Options		
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		
4.5" x 6.75" Aperture	D46	
4.5" x 6.75" for mounting between 6" on center tees	D46FT	
Trim Type		SQ
Square	SQ	
Optic		
Downlight	DN	
Regress MicroGlow Lens	RLMG	
Color		
Clear Specular	CS	
Clear Diffuse	CD	
Warm Diffuse	WD	
Silver Talc Diffuse	TD	
Flange Finish		
White	WH	
Black	BK	
Titanium Silver	TS	
Aluminum Raw	AL	

A complete unit consists of two line items, housing and trim
Example: FC46-32TT-S-120-SO-T | D46-SQ-DN-CD-WH

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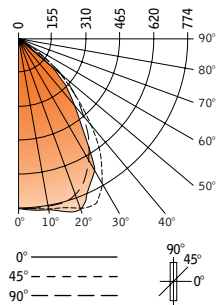
CFL DOWNLIGHT

FC46-42TT-S-SO-T / D46-SO-DN-CS-WH

Filename: D46DNCS42TT.IES
Test #: 14186.0

Lumens: 1316lm
Efficiency: 41%

CANDELPWER DISTRIBUTION



Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	724	724	724	724	724	
5°	724	726	729	732	733	70
15°	721	733	743	759	762	211
25°	655	705	769	720	694	332
35°	506	612	594	510	465	346
45°	322	396	310	275	264	247
55°	143	127	111	79	54	93
65°	14	15	9	7	6	10
75°	2	2	6	9	9	6
85°	1	1	2	2	2	2
90°	0	0	0	0	0	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	612	19.1	46.5
0-40°	958	29.9	72.8
0-60°	1298	40.6	98.6
0-90°	1316	41.1	100
Total Luminaire	1316	41.1	100

LUMINANCE DATA (cd/m²)

Vertical Angle	0°	45°	90°
45°	23068	22184	18914
55°	12639	9806	4794
65°	1627	1035	739
75°	483	1207	1690
85°	717	1434	1434

CO-EFFICIENTS OF UTILIZATION

Floor	Ceiling	Wall	RCR	0	1	2	3	4	5	6	7	8	9	10
80	70	50	30	10	70	50	30	10	50	30	10	50	30	10
20	50	30	10	00	46	46	44	42	41	40	39	38	36	35
50	10	00	46	44	42	41	39	37	36	35	34	33	32	31
30	00	44	42	41	39	37	36	35	34	33	32	31	30	29
10	00	42	42	42	41	40	39	38	37	36	35	34	33	32
00	00	41	41	41	40	39	38	37	36	35	34	33	32	31

Numbers indicate percentage values of reflectivity.

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

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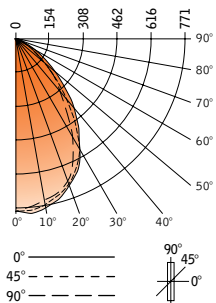
CFL DOWNLIGHT

FC46-42TT-S-SO-T / D46-SO-DN-CD-WH

Filename: D46DNCD342TT.IES
Test #: 14188.0

Lumens: 1222lm
Efficiency: 38%

CANDELPWER DISTRIBUTION



Vertical Angle	Horizontal Angle					Zonal Lumens
	0°	22.5°	45°	67.5°	90°	
0°	760	760	760	760	760	
5°	771	762	759	75	743	72
15°	729	721	714	708	704	203
25°	622	624	636	603	585	285
35°	472	484	449	398	375	276
45°	300	97	238	242	234	202
55°	160	130	111	112	111	109
65°	63	43	39	48	50	46
75°	25	17	20	24	27	23
85°	4	4	6	6	6	6
90°	0	0	0	0	0	

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	560	17.5	45.9
0-40°	836	26.1	68.4
0-60°	1148	35.9	93.9
0-90°	1222	38.2	100
Total Luminaire	1222	38.2	100

LUMINANCE DATA (cd/m²)

Vertical Angle	0°	45°	90°
45°	21455	17044	16743
55°	14090	9764	9764
65°	7549	4697	6039
75°	4930	3835	504
85°	2440	3254	3254

CO-EFFICIENTS OF UTILIZATION

Floor	Ceiling	Wall	RCR	0	1	2	3	4	5	6	7	8	9	10
80	70	50	30	10	70	50	30	10	50	30	10	50	30	10
20	50	30	10	00	44	44	44	42	42	41	41	40	39	38
50	10	00	44	42	42	41	39	39	38	38	36	36	35	35
30	00	44	42	41	39	37	34	36	33	35	33	34	32	31
10	00	42	42	41	39	37	34	33	30	32	29	31	29	28
00	00	41	41	40	39	37	34	33	27	30	26	29	26	25
00	00	40	40	39	37	34	30	27	24	27	24	26	23	23
00	00	39	39	37	34	30	27	24	21	25	21	24	21	21
00	00	38	38	36	34	30	27	24	20	24	19	23	19	19
00	00	37	37	34	30	27	24	21	17	21	17	21	17	17
00	00	36	36	33	30	26	22	20	16	20	15	19	15	15
00	00	35	35	32	29	26	22	20	14	18	14	18	14	13

Numbers indicate percentage values of reflectivity.

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