

FR6VO

Compact Fluorescent 6" Series

Open Reflector Trim for Vertical Lamp

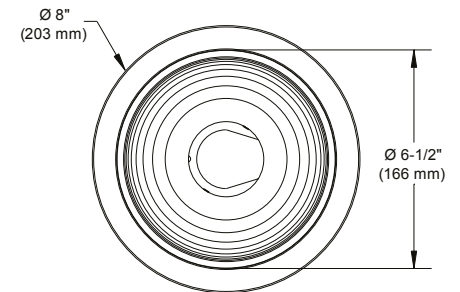
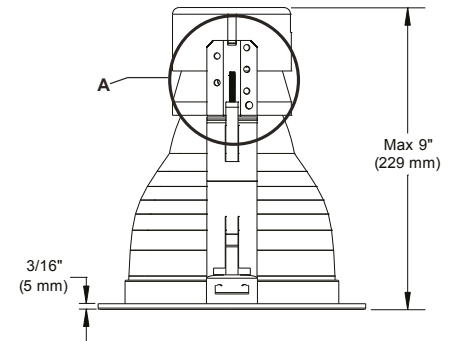
Project	
Notes	
Fixture Type	
Date	

SPECIFICATIONS

TRIM	Powder coated paint or plated die-formed steel. Different finishes available. Painted finishes available with Marine Grade option.
LAMPS	Compact Fluorescent 13W CFL 4 PIN DTT 18W CFL 4 PIN DTT 26W CFL 4 PIN DTT/TTT 32W CFL 4 PIN TTT 42W CFL 4 PIN TTT
REFLECTOR	Standard: Semi-specular low iridescence Also available: Matte iridescence free. Add a "M" after the "O" in the code. Example: FR6HOM-01
CEILING CUTOUT	Ø 6-3/4" (171 mm)
CERTIFICATION	cULus E175084 for damp locations
WARRANTY	1 year for standard finishes, 2 years on "Marine Grade" finish.

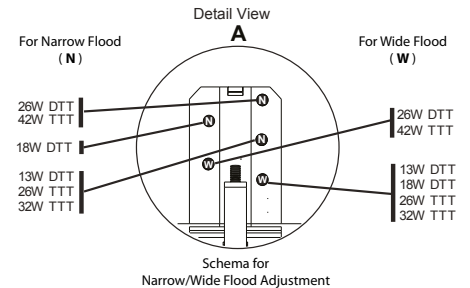


FR6VO-02
(illustrated)



COMPATIBLE HOUSINGS

	Remodel Housing	New Construction Housing	Insulated Housing
FLUORESCENT	CFL 13W 4 PIN DTT F6VU13	CFL 13W 4 PIN DTT NWF6VU13	Non Available
	CFL 18W 4 PIN DTT F6VU18	CFL 18W 4 PIN DTT NWF6VU18	
	CFL 26W 4 PIN DTT/TTT F6VU42	CFL 26W 4 PIN DTT/TTT NWF6VU42	
	CFL 32W 4 PIN TTT F6VU42	CFL 32W 4 PIN TTT NWF6VU42	
	CFL 42W 4 PIN TTT F6VU42	CFL 42W 4 PIN TTT NWF6VU42	



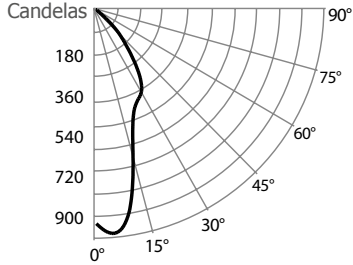
FR6VO

Compact Fluorescent 6" Series

PHOTOMETRIC DATAS (1 x DTT Narrow Flood Vertical)

1 X 13W Elect. DTT

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT

Distance	FC	DIA
06'	24.3	0.4'
08'	13.7	0.5'
10'	8.8	0.6'
12'	6.1	0.7'
14'	4.5	0.8'
16'	3.4	1'
18'	2.7	1.1'
20'	2.2	1.2'

Beam Edge defined as 50% of Maximum Nadir Candlepower

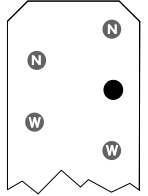
LUMINAIRE

Lamp Type	13W Quad, 4 pin		
Initial Lumens	900		
	120V	277V	347V
Input Watts	18W	18W	18W
Operating AMPS	0.15A	0.07A	0.06A
Luminaire Efficiency	75%		
Spacing Criteria	0.6		
Certificate	S0611231R1		
Matte Reflector Multiplier	0.82		

COEFFICIENT OF UTILIZATION - %

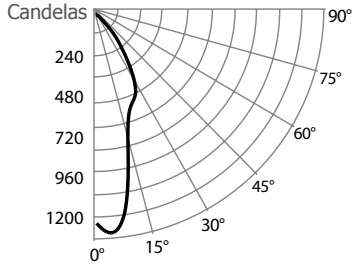
Ceiling Reflect %	80		50		30		
Wall Reflect %	50	30	50	30	50	30	
RCR	0	90	90	84	84	77	77
	2	77	74	74	71	69	68
	4	67	62	64	61	61	59
	6	58	53	56	52	54	51
	8	51	46	50	46	48	45
	10	45	41	44	40	43	40

Zonal Cavity Method Effective Floor Cavity Reflectance 20%



1 X 18W Elect. DTT

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT

Distance	FC	DIA
06'	30.6	0.4'
08'	17.2	0.5'
10'	11	0.6'
12'	7.7	0.7'
14'	5.6	0.8'
16'	4.3	1'
18'	3.4	1.1'
20'	2.8	1.2'

Beam Edge defined as 50% of Maximum Nadir Candlepower

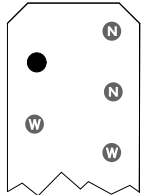
LUMINAIRE

Lamp Type	18W Quad, 4 pin		
Initial Lumens	1200		
	120V	277V	347V
Input Watts	19W	19W	21W
Operating AMPS	0.16A	0.07A	0.06A
Luminaire Efficiency	72%		
Spacing Criteria	0.6		
Certificate	S0611244R1		
Matte Reflector Multiplier	0.82		

COEFFICIENT OF UTILIZATION - %

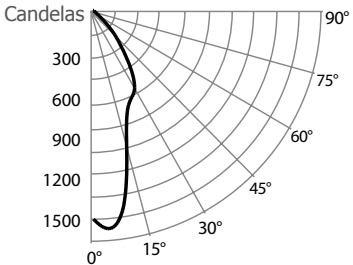
Ceiling Reflect %	80		50		30		
Wall Reflect %	50	30	50	30	50	30	
RCR	0	86	86	80	80	74	74
	2	74	71	70	68	66	65
	4	64	59	61	58	58	56
	6	55	51	53	50	51	48
	8	48	44	47	43	46	42
	10	43	38	42	38	41	37

Zonal Cavity Method Effective Floor Cavity Reflectance 20%



1 X 26W Elect. DTT

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT

Distance	FC	DIA
06'	40	0.4'
08'	22.5	0.5'
10'	14.4	0.6'
12'	10	0.7'
14'	7.3	0.8'
16'	5.6	1'
18'	4.4	1.1'
20'	3.6	1.2'

Beam Edge defined as 50% of Maximum Nadir Candlepower

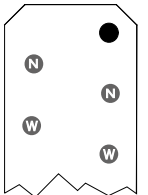
LUMINAIRE

Lamp Type	26W Quad, 4 pin		
Initial Lumens	1710		
	120V	277V	347V
Input Watts	28W	28W	31W
Operating AMPS	0.25A	0.11A	0.09A
Luminaire Efficiency	73%		
Spacing Criteria	0.6		
Certificate	S0611281R1		
Matte Reflector Multiplier	0.82		

COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80		50		30		
Wall Reflect %	50	30	50	30	50	30	
RCR	0	87	87	81	81	74	74
	2	74	70	70	67	66	64
	4	62	58	60	56	57	54
	6	54	49	52	48	50	47
	8	47	42	45	41	44	40
	10	41	36	40	36	39	35

Zonal Cavity Method Effective Floor Cavity Reflectance 20%



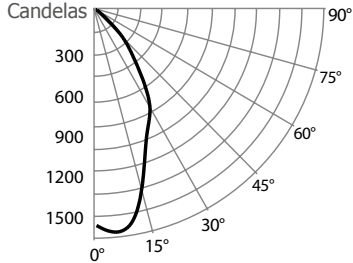
FR6VO

Compact Fluorescent 6" Series

PHOTOMETRIC DATAS (1 x TTT Narrow Flood Vertical)

1 X 26W Elect. TTT

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT

Distance	FC	DIA
06'	39.5	0.5'
08'	22.2	0.6'
10'	14.2	0.8'
12'	9.9	0.9'
14'	7.3	1.1'
16'	5.6	1.2'
18'	4.4	1.4'
20'	3.6	1.6'

Beam Edge defined as 50% of Maximum Nadir Candlepower

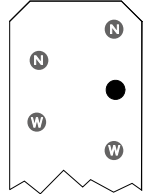
LUMINAIRE

Lamp Type	26W Triple Tube, 4pin		
Initial Lumens	1800		
	120V	277V	347V
Input Watts	28W	28W	31W
Operating AMPS	0.25A	0.11A	0.09A
Luminaire Efficiency	71%		
Spacing Criteria	0.8		
Certificate	S0611293R1		
Matte Reflector Multiplier	0.82		

COEFFICIENT OF UTILIZATION - %

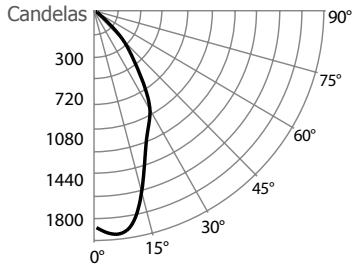
Ceiling Reflect %	80		50		30		
Wall Reflect %	50	30	50	30	50	30	
RCR	0	85	85	80	80	73	73
	2	73	70	70	68	66	64
	4	63	59	61	58	58	56
	6	55	51	53	50	52	49
	8	48	44	47	43	46	43
	10	43	39	42	38	41	38

Zonal Cavity Method Effective Floor Cavity Reflectance 20%



1 X 32W Elect. TTT

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT

Distance	FC	DIA
06'	47.7	0.6'
08'	26.8	0.8'
10'	17.2	1'
12'	11.9	1.2'
14'	8.8	1.3'
16'	6.7	1.5'
18'	5.3	1.7'
20'	4.3	1.9'

Beam Edge defined as 50% of Maximum Nadir Candlepower

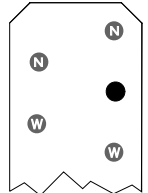
LUMINAIRE

Lamp Type	32W Triple Tube, 4pin		
Initial Lumens	2400		
	120V	277V	347V
Input Watts	36W	36W	36W
Operating AMPS	0.30A	0.13A	0.11A
Luminaire Efficiency	78%		
Spacing Criteria	0.8		
Certificate	S0611303R1		
Matte Reflector Multiplier	0.82		

COEFFICIENT OF UTILIZATION - %

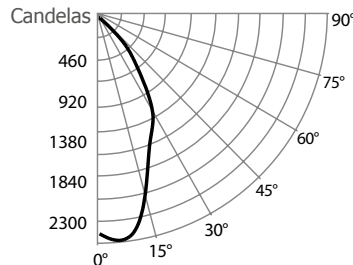
Ceiling Reflect %	80		50		30		
Wall Reflect %	50	30	50	30	50	30	
RCR	0	93	93	86	86	79	79
	2	78	75	74	72	70	68
	4	66	61	64	60	60	57
	6	57	51	55	50	52	49
	8	49	44	48	43	46	42
	10	43	38	42	37	41	37

Zonal Cavity Method Effective Floor Cavity Reflectance 20%



1 X 42W Elect. TTT

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT

Distance	FC	DIA
06'	61.8	0.5'
08'	34.7	0.6'
10'	22.2	0.8'
12'	15.4	0.9'
14'	11.3	1.1'
16'	8.7	1.2'
18'	6.9	1.4'
20'	5.6	1.6'

Beam Edge defined as 50% of Maximum Nadir Candlepower

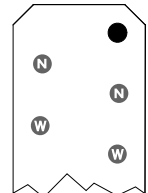
LUMINAIRE

Lamp Type	42W Triple Tube, 4pin		
Initial Lumens	3200		
	120V	277V	347V
Input Watts	48W	48W	50W
Operating AMPS	0.41A	0.18A	0.15A
Luminaire Efficiency	72%		
Spacing Criteria	0.7		
Certificate	S0612041R1		
Matte Reflector Multiplier	0.82		

COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80		50		30		
Wall Reflect %	50	30	50	30	50	30	
RCR	0	87	87	81	81	74	74
	2	73	70	69	67	65	63
	4	53	48	51	47	49	46
	6	53	48	51	47	49	46
	8	46	41	44	40	43	39
	10	40	35	39	35	38	35

Zonal Cavity Method Effective Floor Cavity Reflectance 20%



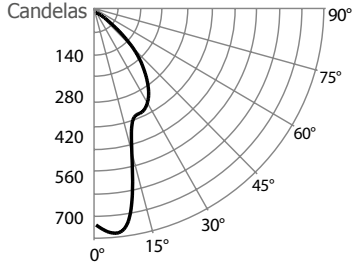
FR6VO

Compact Fluorescent 6" Series

PHOTOMETRIC DATAS (1 x DTT Wide Flood Vertical)

1 X 13W Elect. DTT

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT

Distance	FC	DIA
06'	19.1	0.5'
08'	10.8	0.6'
10'	6.9	0.8'
12'	4.8	0.9'
14'	3.5	1.1'
16'	2.7	1.2'
18'	2.1	1.4'
20'	1.7	1.6'

Beam Edge defined as 50% of Maximum Nadir Candlepower

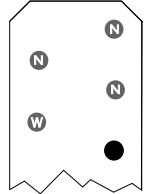
LUMINAIRE

Lamp Type	13W Quad Tube, 4pin		
Initial Lumens	900		
	120V	277V	347V
Input Watts	18W	18W	18W
Operating AMPS	0.15A	0.07A	0.06A
Luminaire Efficiency	82%		
Spacing Criteria	0.6		
Certificate	S0611241R1		
Matte Reflector Multiplier	0.82		

COEFFICIENT OF UTILIZATION - %

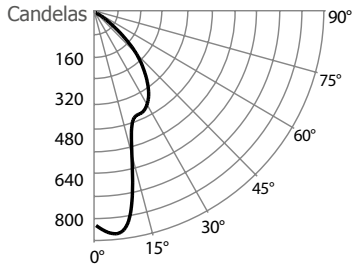
Ceiling Reflect %	80		50		30		
Wall Reflect %	50	30	50	30	50	30	
RCR	0	98	98	91	91	84	84
	2	82	78	78	75	73	71
	4	68	63	65	61	62	59
	6	58	52	56	51	53	50
	8	50	44	48	43	46	42
	10	43	38	42	37	41	37

Zonal Cavity Method Effective Floor Cavity Reflectance 20%



1 X 18W Elect. DTT

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT

Distance	FC	DIA
06'	22.1	0.5'
08'	12.5	0.6'
10'	8	0.8'
12'	5.5	0.9'
14'	4.1	1.1'
16'	3.1	1.2'
18'	2.5	1.4'
20'	2	1.6'

Beam Edge defined as 50% of Maximum Nadir Candlepower

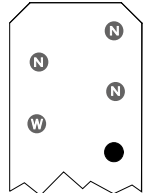
LUMINAIRE

Lamp Type	18W Quad Tube, 4pin		
Initial Lumens	1200		
	120V	277V	347V
Input Watts	19W	19W	21W
Operating AMPS	0.16A	0.07A	0.06A
Luminaire Efficiency	81%		
Spacing Criteria	0.6		
Certificate	S0611273R1		
Matte Reflector Multiplier	0.82		

COEFFICIENT OF UTILIZATION - %

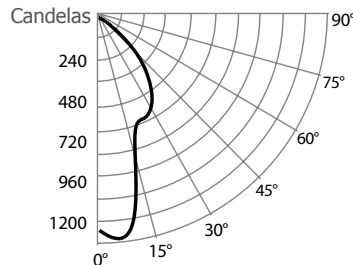
Ceiling Reflect %	80		50		30		
Wall Reflect %	50	30	50	30	50	30	
RCR	0	97	97	91	91	83	83
	2	80	75	75	72	71	68
	4	65	59	62	58	59	55
	6	54	48	52	47	50	46
	8	46	40	45	39	43	39
	10	40	34	39	34	37	33

Zonal Cavity Method Effective Floor Cavity Reflectance 20%



1 X 26W Elect. DTT

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT

Distance	FC	DIA
06'	17.6	0.7'
08'	9.9	0.9'
10'	6.3	1.2'
12'	4.4	1.4'
14'	3.2	1.6'
16'	2.5	1.9'
18'	2	2.1'
20'	1.6	2.3'

Beam Edge defined as 50% of Maximum Nadir Candlepower

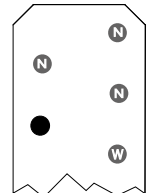
LUMINAIRE

Lamp Type	26W Quad Tube, 4pin		
Initial Lumens	1710		
	120V	277V	347V
Input Watts	28W	28W	31W
Operating AMPS	0.25A	0.11A	0.09A
Luminaire Efficiency	80%		
Spacing Criteria	0.6		
Certificate	S0611284R1		
Matte Reflector Multiplier	0.82		

COEFFICIENT OF UTILIZATION - %

Ceiling Reflect %	80		50		30		
Wall Reflect %	50	30	50	30	50	30	
RCR	0	96	96	90	90	82	82
	2	77	73	73	70	68	66
	4	63	57	60	55	56	53
	6	52	46	50	45	48	43
	8	44	38	43	37	41	37
	10	38	33	37	32	36	31

Zonal Cavity Method Effective Floor Cavity Reflectance 20%



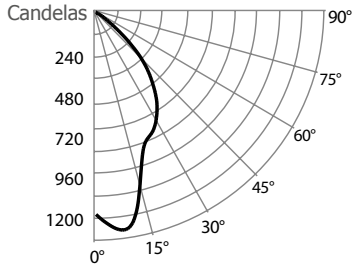
FR6VO

Compact Fluorescent 6" Series

PHOTOMETRIC DATAS (1 x TTT Wide Flood Vertical)

1 X 26W Elect. TTT

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT

Distance	FC	DIA
06'	31.2	0.7'
08'	17.6	0.9'
10'	11.2	1.2'
12'	7.8	1.4'
14'	5.7	1.6'
16'	4.4	1.9'
18'	3.5	2.1'
20'	2.8	2.3'

Beam Edge defined as 50% of Maximum Nadir Candlepower

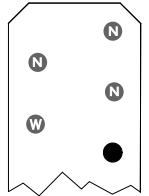
LUMINAIRE

Lamp Type	26W Triple Tube, 4pin		
Initial Lumens	1800		
	120V	277V	347V
Input Watts	28W	28W	31W
Operating AMPS	0.25A	0.11A	0.09A
Luminaire Efficiency	76%		
Spacing Criteria	0.9		
Certificat	S0611296R1		
Matte Reflector Multiplier	0.82		

COEFFICIENT OF UTILISATION - %

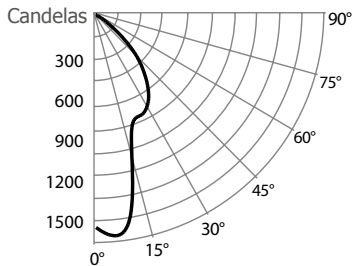
Ceiling Reflect %	80			50			30		
	50	30	50	30	50	30			
Wall Reflect %	0	91	91	85	85	78	78		
RCR	2	76	73	72	70	68	66		
	4	64	59	62	58	58	56		
	6	54	49	53	48	50	47		
	8	47	42	45	41	44	40		
	10	41	36	40	35	38	35		

Zonal Cavity Method Effective Floor Cavity Reflectance 20%



1 X 32W Elect. TTT

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT

Distance	FC	DIA
06'	39.2	0.8'
08'	12.5	1.1'
10'	8	1.4'
12'	5.5	1.7'
14'	4.1	2'
16'	3.1	2.2'
18'	2.5	2.5'
20'	2	2.8'

Beam Edge defined as 50% of Maximum Nadir Candlepower

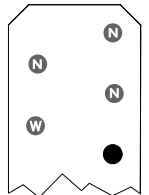
LUMINAIRE

Lamp Type	32W Triple Tube, 4pin		
Initial Lumens	2400		
	120V	277V	347V
Input Watts	36W	36W	36W
Operating AMPS	0.30A	0.13A	0.11A
Luminaire Efficiency	89%		
Spacing Criteria	0.9		
Certificat	S0612013R1		
Matte Reflector Multiplier	0.82		

COEFFICIENT OF UTILISATION - %

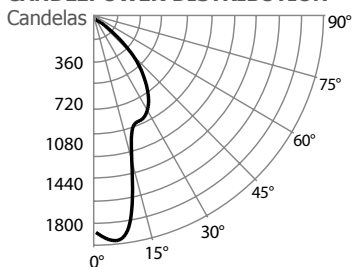
Ceiling Reflect %	80			50			30		
	50	30	50	30	50	30			
Wall Reflect %	0	106	106	99	99	91	91		
RCR	2	87	82	82	78	77	74		
	4	71	64	67	62	64	60		
	6	59	52	56	51	54	49		
	8	50	43	48	42	46	41		
	10	43	36	42	36	40	35		

Zonal Cavity Method Effective Floor Cavity Reflectance 20%



1 X 42W Elect. TTT

CANDLEPOWER DISTRIBUTION



CONE OF LIGHT

Distance	FC	DIA
06'	49.5	0.7'
08'	27.8	0.9'
10'	17.5	1.2'
12'	12.4	1.4'
14'	9.1	1.6'
16'	7	1.9'
18'	5.5	2.1'
20'	4.5	2.3'

Beam Edge defined as 50% of Maximum Nadir Candlepower

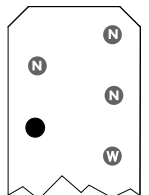
LUMINAIRE

Lamp Type	42W Triple Tube, 4pin		
Initial Lumens	3200		
	120V	277V	347V
Input Watts	48W	48W	50W
Operating AMPS	0.41A	0.18A	0.15A
Luminaire Efficiency	85%		
Spacing Criteria	0.8		
Certificat	S0612044R1		
Matte Reflector Multiplier	0.82		

COEFFICIENT OF UTILISATION - %

Ceiling Reflect %	80			50			30		
	50	30	50	30	50	30			
Wall Reflect %	0	102	102	95	95	88	88		
RCR	2	82	77	78	74	72	70		
	4	66	60	63	58	60	56		
	6	55	48	53	47	50	46		
	8	47	40	45	39	43	38		

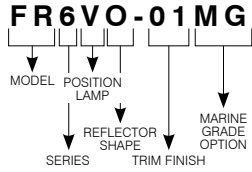
Zonal Cavity Method Effective Floor Cavity Reflectance 20%



FR6VO

Compact Fluorescent 6" Series

CODIFICATION EXAMPLE



ORDERING CODE

MODEL	SERIES	POSITION LAMP	REFLECTOR SHAPE	REFLECTOR	TRIM FINISH	MARINE GRADE
FR	6	V	O			
FR Compact Fluorescent	6 6 inches	V Vertical	O Open	... Standard: Semi-specular low iridescence	-01 White -02 Black -04 Chrome -04BR Brushed Chrome	MG (optional) May be applied on finishes: -01, -02, -05, -06, -11 and -15
				M Matte Reflector iridescence free	-05 Architectural Bronze -06 Antique Copper -11 Matte White -12BR Brushed Nickel -13 Satin Nickel -15 Metallic Grey	

MARINE GRADE - Unless otherwise indicated, trims are for interior, cold and exterior locations where fixtures are not subject to direct rain or snow exposure as in soffits. MARINE GRADE treatment is recommended for exterior, shower and high salinity environment.

