

APPLICATION

Vertical lamp downlight for use in low to medium height ceilings. This single reflector optical system is highly efficient and produces uniform distribution while minimizing brightness.

PRODUCT DATA

REFLECTOR: The single reflector optical system provides high efficiency, low brightness, and 45° cut-off to the lamp image. Both medium and wide beam distributions are offered. Reflectors are available in soft specular or matte finish, as well as a variety of special finishes. A half inch low profile, overlap flange is standard.

HOUSING: Frame-in module is fabricated from heavy gauge die formed steel and features a corrosion resistant galvanized finish. Standard plaster flange allows for a 1/2" ceiling thickness. Diecast aluminum socket cup is finned for optimum heat dissipation.

MOUNTING: Housing is supplied standard with expandable bar hangers which adjust from 14 1/2" to 26". Provision is provided for all four sides of frame-in module to accept bar hangers. Optional mounting brackets (BB) adjust vertically 2.5" and accept a variety of hanger bars, C-Channel, EMT or rigid bars (see optional accessories).

ELECTRICAL: 120 to 277 volt input 50 to 60 Hz high power factor electronic ballasts are instant start, under 10% THD. Consult Technical Section for additional ballast operating data. Optional emergency ballast (-EM) operates one lamp for 90 minutes, faceplate with test switch and charger light. Integral push to test switch available. Contact factory for more information.

JUNCTION BOX: Heavy gauge galvanized junction box pre-wired with grounding pigtail. Easy access covers. Multiple conduit knockouts listed for through branch circuit wiring.

SOCKET: Positive latch four pin thermoplastic socket. 26, 32 and 42 watt models feature a twist lock socket. 13 and 18 watt models feature a push in socket. Triple tube models have field adjustable socket position to allow conversion to alternate wattage.

LAMP DATA:

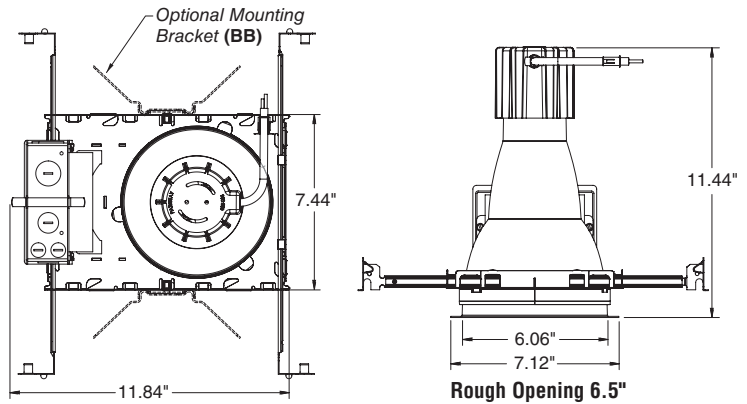
LAMP	WATTS	BASE	BALLAST	LUMENS
Triple Tube 4-Pin	26	GX24q-3	Elec.	1800
	32	GX24q-3	Elec.	2400
	42	GX24q-3	Elec.	3200

LAMP	WATTS	BASE	BALLAST	LUMENS
Quad Tube 4-Pin	13	G24q-1	Elec.	900
	18	G24q-2	Elec.	1250
	26	G24q-3	Elec.	1800

Initial lumens



FOR WET LOCATION UNDER COVERED CEILING
Manufactured and tested to UL#1598 and CSA standards. Fixtures are not designed for direct contact with insulation.



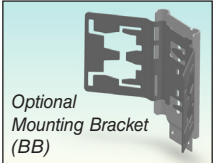
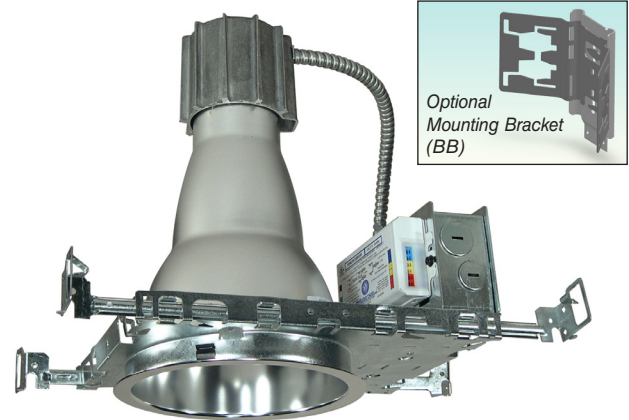
LEGENDS Plus

Affordable Performance

SERIES 6LPVF

6" Aperture Vertical Lamp Recessed Downlight

- Open reflector are not suitable for air handling plenums



Catalog #:

6LPVF

Example: 6LPVF126TE4

Fixture Series	Lamp/Wattage		Ballast/Voltage	Options
6LPVF	(Triple Tube)	(Quad Tube)	E4 / Electronic 120/277 D1 / 120V Lutron Dimming† D2 / 277V Lutron Dimming†	See Below
	QTY. TYPE	QTY. TYPE		
	1 26T 26W	1 13Q 13W		
	1 32T 32W	1 18Q 18W		
	1 42T 42W	1 26Q 26W		

6VF

Example: 6VFMDSCLPF

Trim	Trim Finish w/polished flange
6VFMD	Medium Distribution Downlight
6VFW	Wide Distribution Downlight
	SCLPF - Soft Specular Clear Alzak
For white painted flange, drop "PF" from Catalog #. For other finishes, consult reflector section.	

Optional Accessories

Hanger Bars (set of 2) - Requires optional "BB" Mounting Bracket to be specified.

- 101782 = #520 Caddy Bars
- 9152 = 52" C-Channel
- 9127 = 27" C-Channel
- 27BH = 27" Solid Bar
- 24CBH = 24" one-piece B-Line C-Channel hanger bar*

* These hanger bars require the optional mounting bracket (BB) to be specified.

Fixture:	Type:
Project:	

Options

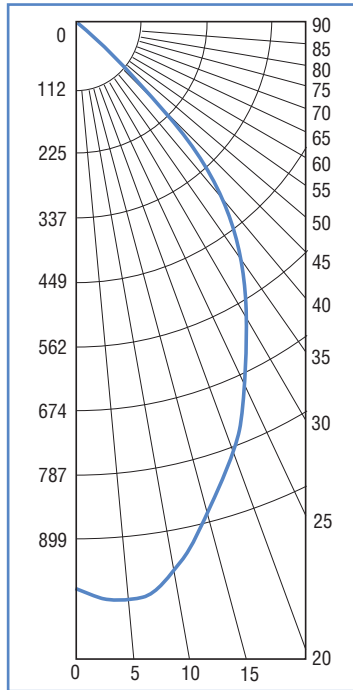
- EM = Emergency Battery Pack w/remotely located Test Switch
- EMITS = Emergency Battery Pack with Integral Test Switch installed in reflector
- F = Fused
- BB = Vertically Adjustable Mounting Bracket
- † = Refer to separate page for dimming ballast specifications and availability.

All Pathway® products meet or exceed requirements as established by the National Electrical Code. Specifications subject to change without notice. Alzak® is a registered trademark of Alcoa.

PHOTOMETRIC DOWNLIGHT DISTRIBUTION

Catalog No. – 6LPVF132TE4 / 6VFMDSCLPF
Lamp(s) – (1) 32W PLT
Spacing Criteria – .96
Lumens – 2400
Efficiency – 57.2%

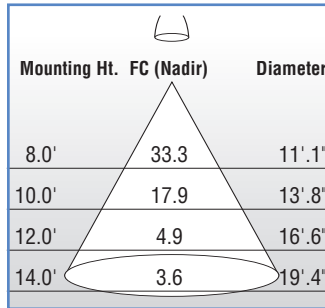
CANDELA DISTRIBUTION



CANDELA

VERTICAL ANGLE	0
0	1006
5	1011
10	976
15	882
20	801
25	698
30	602
35	500
40	394
45	248
50	69
55	11
60	3
65	1
70	1
75	1
80	0
85	0
90	0

CONE OF LIGHT



Initial Footcandles at a 30° Work Plane
Beam diameter calculated at 50% of maximum fc at nadir.

ZONAL LUMENS SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	663.7	27.7%	56.3%
0-40	974.3	40.6%	82.6%
0-60	1,176.5	49%	99.8%
60-90	2.5	0.1%	0.2%
0-90	1,179.1	49.1%	100%
90-180	0	0%	0%
0-180	1,179.1	49.1%	100%

EFFICIENCY TOTAL: 49.1%

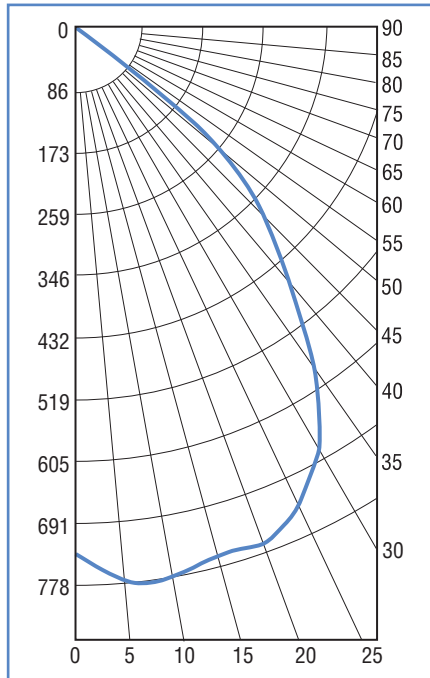
COEFFICIENTS OF UTILIZATION

PCC	.8				.7				.5				.3				.1				0
	.7	.5	.3	.1	.7	.5	.3	.1	.5	.3	.1	.5	.3	.1	.5	.3	.1	.5	.3	.1	0
RCR																					
0	.58	.58	.58	.58	.57	.57	.57	.49	.55	.55	.55	.52	.52	.52	.50	.50	.50	.49			.49
1	.56	.54	.53	.52	.54	.53	.52	.46	.51	.50	.49	.49	.48	.48	.47	.47	.46	.45			.45
2	.52	.50	.48	.46	.51	.49	.47	.42	.47	.46	.44	.46	.45	.43	.45	.43	.42	.42			.42
3	.49	.46	.43	.41	.48	.45	.43	.39	.44	.42	.40	.43	.41	.40	.42	.40	.39	.38			.38
4	.47	.42	.39	.37	.46	.42	.39	.35	.41	.38	.37	.40	.38	.36	.39	.37	.36	.35			.35
5	.44	.39	.36	.34	.43	.39	.36	.33	.38	.35	.33	.37	.35	.33	.36	.34	.33	.32			.32
6	.41	.36	.33	.31	.41	.36	.33	.30	.35	.33	.31	.35	.32	.30	.34	.32	.30	.29			.29
7	.39	.34	.31	.28	.38	.34	.31	.28	.33	.30	.28	.32	.30	.28	.32	.30	.28	.27			.27
8	.37	.32	.28	.26	.36	.31	.28	.26	.31	.28	.26	.30	.28	.26	.30	.27	.26	.25			.25
9	.35	.30	.26	.24	.34	.29	.26	.24	.29	.26	.24	.28	.26	.24	.28	.26	.24	.23			.23
10	.33	.28	.25	.23	.32	.28	.25	.22	.27	.24	.22	.27	.24	.22	.26	.24	.22	.22			.22

PFC = 0.20

Catalog No. – 6LPVF132TE4 / 6VFWDSCLPF
Lamp(s) – (1) 32W PLT
Spacing Criteria – 1.28
Lumens – 2400
Efficiency – 49.1%

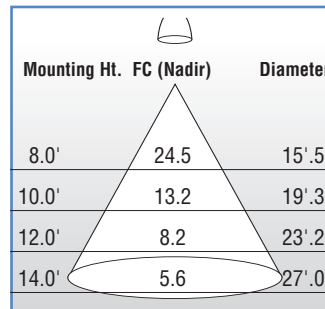
CANDELA DISTRIBUTION



CANDELA

VERTICAL ANGLE	0
0	741
5	770
10	776
15	763
20	762
25	731
30	677
35	582
40	468
45	369
50	267
55	92
60	8
65	3
70	1
75	1
80	0
85	0
90	0

CONE OF LIGHT



Initial Footcandles at a 30° Work Plane
Beam diameter calculated at 50% of maximum fc at nadir.

ZONAL LUMENS SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	624.9	26%	45.5%
0-40	984.3	41%	71.7%
0-60	1,367.4	57%	99.7%
60-90	4.7	0.2%	0.3%
0-90	1,372.0	57.2%	100%
90-180	0	0%	0%
0-180	1,372.0	57.2%	100%

EFFICIENCY TOTAL: 57.2%

COEFFICIENTS OF UTILIZATION

PCC	.8				.7				.5				.3				.1				0
	.7	.5	.3	.1	.7	.5	.3	.1	.5	.3	.1	.5	.3	.1	.5	.3	.1	.5	.3	.1	0
RCR																					
0	.68	.68	.68	.68	.66	.66	.66	.57	.64	.64	.64	.61	.61	.61	.58	.58	.58	.57			.57
1	.64	.62	.61	.59	.63	.61	.60	.52	.59	.58	.57	.57	.56	.55	.55	.54	.53	.52			.52
2	.60	.57	.54	.52	.59	.56	.53	.47	.54	.52	.50	.52	.51	.49	.51	.49	.48	.47			.47
3	.56	.52	.48	.46	.55	.51	.48	.43	.49	.47	.45	.48	.46	.44	.47	.45	.43	.42			.42
4	.53	.47	.44	.41	.51	.47	.43	.39	.45	.42	.40	.44	.41	.39	.43	.41	.39	.38			.38
5	.49	.43	.39	.36	.48	.43	.39	.35	.42	.38	.36	.41	.38	.35	.40	.37	.35	.34			.34
6	.46	.40	.36	.33	.45	.39	.35	.32	.38	.35	.32	.37	.34	.32	.37	.34	.32	.31			.31
7	.43	.37	.32	.29	.42	.36	.32	.29	.35	.32	.29	.35	.31	.29	.34	.31	.29	.28			.28
8	.40	.34	.30	.27	.39	.33	.29	.26	.33	.29	.27	.32	.29	.26	.31	.29	.26	.25			.25
9	.38	.31	.27	.24	.37	.31	.27	.24	.30	.27	.24	.30	.27	.24	.29	.26	.24	.23			.23
10	.36	.29	.25	.22	.35	.29	.25	.22	.28	.25	.22	.28	.25	.22	.27	.24	.22	.21			.21

PFC = 0.20