

APPLICATION

Medium distribution downlights for use in low to medium height ceilings. Reflector optical systems are highly efficient and produce uniform distribution.

PRODUCT DATA

REFLECTOR: One-piece reflector optics provide high efficiency, low brightness, and 50° cut-off to the lamp image. Reflectors are available in specular or matte finish, as well as a variety of standard and special finishes. Parabolic cross baffle is an available option. A one-half inch low profile, overlap flange is standard.

DECORATIVE GLASS ELEMENTS: Are optional accessories that suspend from reflector flange with satin stainless hardware. They are available in a variety of styles as published in our separate brochure.

HOUSING: The mounting frame is fabricated heavy gauge steel and provides a solid structure for the optical and electrical components as well as a platform for decorative attachments. Butterfly brackets allow height adjustment from below. Standard plaster flange allows one inch ceiling thickness, custom depth available.

MOUNTING: Universal mounting brackets 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 programmed 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. 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.

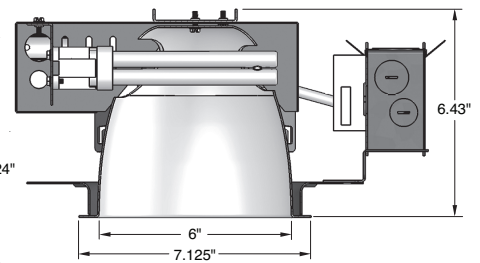
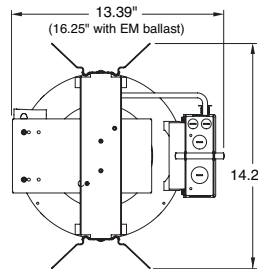
LAMP DATA:

LAMP	WATTS	BASE	BALLAST	LUMENS
Triple Tube 4-Pin	26	GX24q-3	Elec.	1800
	32	GX24q-3	Elec.	2400
	42	GX24q-4	Elec.	3200
Quad Tube 4-Pin	13	G24q-1	Elec.	900
	18	G24q-2	Elec.	1250
	26	G24q-3	Elec.	1800

Standard lamping, initial lumens.



Listed For Wet Location
Under Covered Ceiling



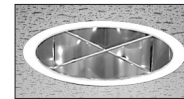
Rough Opening 6.75"



SERIES 6HF Open

Horizontal Fluorescent Downlight Open Reflector

- Open reflectors are not suitable for air handling plenums



XB - Cross Blade Louver



ICE - Available with Decorative Elements

Manufactured and tested to UL#1598 and CSA standards. Note:
Suitable for damp location and wet location under covered ceiling.

Catalog #:

6HF

Example: 6HF126TE4

6HF1

Example: 6HF1SCLPF

Fixture Series	Lamp/Wattage	Ballast/Voltage*	Options																
6HF	<table border="1"> <thead> <tr> <th>QTY</th> <th>TYPE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>26T</td> </tr> <tr> <td>1</td> <td>32T</td> </tr> <tr> <td>1</td> <td>42T</td> </tr> <tr> <td colspan="2">(Quad Tube)</td> </tr> <tr> <td>1 or 2</td> <td>13Q</td> </tr> <tr> <td>1 or 2</td> <td>18Q</td> </tr> <tr> <td>1 or 2</td> <td>26Q</td> </tr> </tbody> </table>	QTY	TYPE	1	26T	1	32T	1	42T	(Quad Tube)		1 or 2	13Q	1 or 2	18Q	1 or 2	26Q	E4 / Electronic 120/277 D1 / 120V Lutron Dimming D2 / 277V Lutron Dimming *Refer to separate page for dimming ballast specifications and availability of other styles.	See Below
QTY	TYPE																		
1	26T																		
1	32T																		
1	42T																		
(Quad Tube)																			
1 or 2	13Q																		
1 or 2	18Q																		
1 or 2	26Q																		

Trim	Trim Finish w/polished flange
6HF1	- One Lamp Reflector
6HF2	- Two Lamp Reflector
XB	- Optional Cross Blade Parabolic Louver
	SCLPF - Soft Specular Clear Alzak
	ICE6 - Decorative Element

For white painted flange, drop "PF" from Catalog #.
For other finishes, consult reflector section.

Optional Accessories

Hanger Bars (set of 2)

- 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
- 26UBH = interlocking hanger bars expand to 26"

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

A wide variety of Decorative Element styles can be found in separate brochure.

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.



Pathway Lighting Products, Inc., P.O. Box 591, Old Saybrook, CT 06475-0591
voice 800.342.0592 • fax 800.207.0090 • www.pathwaylighting.com • e-mail: sales@pathwaylighting.com

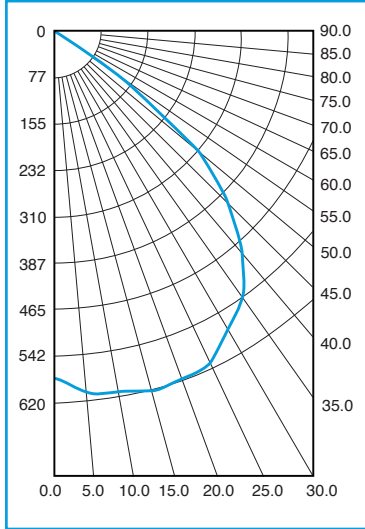
Series 6HF Open - Fluorescent Downlight Open Reflector

FL4.0
CUCLUL

PHOTOMETRIC DOWNLIGHT DISTRIBUTION

Catalog No. – 6HF132TE4 / 6HF1SCLPF
Lamp(s) – (1) 32W PLT
Lumens – 2400
Spacing Criteria – 1.43
Efficiency – 56.3%

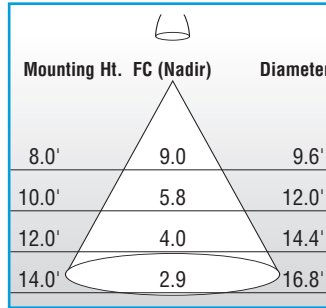
CANDELA DISTRIBUTION



CANDELA

VERTICAL ANGLE	0
0.00	578
5.00	605
10.00	609
15.00	621
20.00	617
25.00	610
30.00	573
35.00	542
40.00	479
45.00	381
50.00	279
55.00	109
60.00	23.6
65.00	4.03
70.00	1.82
75.00	1.54
80.00	0.480
85.00	0.390
90.00	0.000

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	539	22.4	39.9
0- 40	897	37.4	66.4
0- 60	1341	55.9	99.3
0- 90	1351	56.3	100.0
90-120	0	0.0	0.0
90-130	0	0.0	0.0
90-150	0	0.0	0.0
90-180	0	0.0	0.0
0-180	1351	56.3	100.0

COEFFICIENTS OF UTILIZATION

PCC PW	.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
RCR																				
0	66	66	66	66	65	65	65	65	62	62	62	59	59	59	57	57	57	56		
1	62	61	59	57	61	59	58	56	57	56	55	55	54	53	53	52	52	50		
2	58	55	52	50	57	54	51	49	52	50	48	50	49	47	49	47	46	45		
3	54	50	46	44	53	49	46	43	47	45	42	46	44	42	45	43	41	40		
4	51	45	41	38	49	45	41	38	43	40	38	42	39	37	41	39	37	36		
5	47	41	37	34	46	41	37	34	39	36	33	38	35	33	37	35	33	32		
6	44	37	33	30	43	37	33	30	36	32	30	35	32	30	34	32	29	28		
7	41	34	30	27	40	34	30	27	33	29	27	32	29	27	32	29	26	25		
8	38	31	27	24	37	31	27	24	30	27	24	30	26	24	29	26	24	23		
9	36	29	25	22	35	29	25	22	28	24	22	27	24	22	27	24	22	21		
10	33	27	23	20	33	26	23	20	26	22	20	25	22	20	25	22	20	19		

PFC = 0.20

AVERAGE LUMINANCE

Angle	CD/M ²
45°	29560
55°	10420
65°	522
75°	326
85°	245