

DESCRIPTION

Specification grade wet listed 26 Watt triple tube compact fluorescent fixture rated for direct contact with insulation. Regressed frosted lens provides a low brightness aperture and a smooth illumination pattern. Triple tube lamps provide excellent color and long life. Dimming and emergency ballast options are available. Lamp module and optical element can be changed after installation to provide a variety of lamp sources and distributions. e.g. into a PAR36 Adjustable

Catalog #	Type
Project	
Comments	
Prepared by	

SPECIFICATION FEATURES
A ... Reflector

.040 thick aluminum specular clear upper and spun parabolic lower reflector in Clear, Gold, Haze, Warm Haze, Black Alzak® finish, painted gloss white or matte white. Special cone colors listed below.

B ... Flange

Self flange reflector or die cast flange with either matte white or clear coat finish. Die cast flanges are easily removed for field painting. Elements are keyed for proper insertion. Gasket is a closed cell foam.

C ... Lens

.125 thick frosted lens obscures lamp and is retained during relamping.

D ... Attachment

Positive torsion springs pull flange tight to ceiling. Mechanical light trap eliminates spill light at edge of flange or reflector.

E ... Socket

4 pin G24q3 base for 26W PLT, TBX and TTT lamps. Fatigue free stainless steel spring ensures positive lamp retention. Fixed socket height ensures consistent lamp position.

F ... Electronic Ballast

Thermally protected, current controlled electronic ballast produces full light output and rated lamp life. Meets stringent FCC part 18 Class B requirements.

G ... Electrical

Keyed quick connect provides easy lamp module installation.

H ... Frame/Housing

Hot dipped galvanized 20 gauge steel frame with built in 1/2 inch plaster lip Aluminum .032 thick housing allows for heat dissipation and reduces weight.

I ... Junction Box

18 cubic inches, listed for 4#12 AWG or 6#14 AWG 90° C additional feed through conductors, has six 1/2 inch pryouts.

J ... Bar Hangers

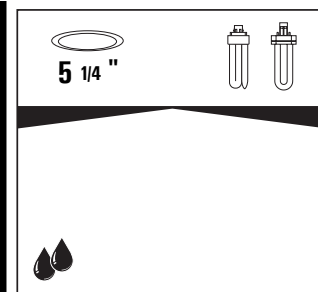
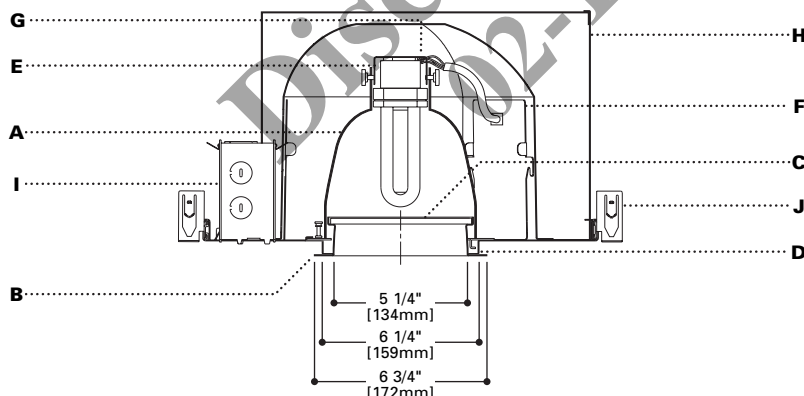
No Flex® bar hangers with positive locking, for use with joists spaced up to 24" O.C. ship with platform. For use in T-bar ceilings order accessory MBCLP clips. Nailless barb and locator lip provide consistent installation height.

K ... Codes

Thermally protected, IP labeled, for use in direct contact with insulation, Meets Washington State Air tight requirements, 1995 CABO Model Energy Code.

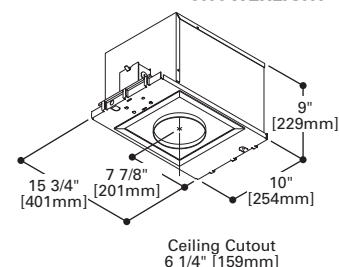
L ... Labels

UL listed, CSA certified, standard wet label, IBEW union made.


**P5
M42T
E5SR**

**26W TRIPLE
Compact Fluorescent**

**5\" REGRESSED LENS
SHOWERLIGHT**


ENERGY DATA
5\" AirTight

Input Power:
120V = 29W
Input Current (Max.):
120V = .24
Power Factor:
120V = .98
T.H.D.:
120V = <10%

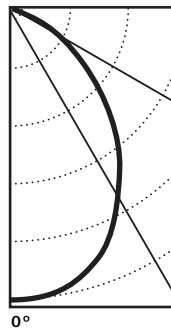
ORDERING INFORMATION

Platform	Lamp Module	Optical Element	Finish	Flange	Accessories
P5	M42T	E5SR			
P5 = 5\" Airtight IC Rated Housing	M42T = 26/32/42W Compact Fluorescent Lamp Module	E5SR = 5\" Regressed Lens Showerlight	Standard C=Clear H=Haze G=Gold WMH=Warm Haze W=Gloss White MW= Matte White B= Black K=Cognac KH=Cognac Haze CC=Chocolate Custom CCH=Chocolate Haze GP=Graphite GPH=Graphite Haze	Blank= Matte White die-cast SF= Self Flange RAW= Natural Die-cast SFWF= Self Flange Painted White	MBCLP = 40 Push On T Bar Clips (for 10 Units) PLE5 = Plaster Lip Extension for Max 2\" Thick Ceiling

P5-M32T-E5SRC

Test No. H36117
 Lamp: 26W PLT
 Lumens: 1800
 Cutoff: 75°
 Spacing: 1.1
 Efficiency: 32.4%
 Unit LPW: 22.43

Candelas	
Vertical Angle	CD
90	0
85	0
75	5
65	37
55	82
45	142
35	202
25	256
15	294
5	309
0	311

Distribution

Luminance	
Degree	cd/m ²
85°	0
75°	1410
65°	6266
55°	10183
45°	14384

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
4'6"	15	5'0"
5'6"	10	6'6"
6'6"	7	7'6"
8'0"	5	9'6"
10'0"	3	11'6"
12'0"	2	14'0"

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	230	12.8	39.5
0-40	356	19.8	61.1
0-60	539	30.0	92.6
0-90	582	32.4	100.0
90-180	0	0.0	0.0
0-180	582	32.4	100.0

Coefficient of Utilization

Ceiling Reflectance	80%				70%				50%				30%				0%			
	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10
Room Cavity Ratio																				
0	38	38	38	38	38	38	36	36	34	34	32	32	32	31	29	26	26	26	26	26
1	36	35	34	33	34	33	33	32	33	32	32	31	32	31	29	26	26	26	26	26
2	34	32	31	29	32	29	30	28	29	28	29	28	29	28	26	26	26	26	26	26
3	32	29	27	26	32	29	30	28	29	28	29	28	29	28	26	26	26	26	26	26
4	30	27	25	23	26	23	26	22	26	22	25	22	25	22	21	21	21	21	21	21
5	28	24	22	20	24	20	23	20	23	20	23	20	23	20	19	19	19	19	19	19
6	26	22	20	18	22	18	21	18	21	18	21	18	21	18	17	17	17	17	17	17
7	24	20	18	16	20	16	19	16	19	16	19	16	19	16	15	15	15	15	15	15
8	22	18	16	14	18	14	18	14	18	14	17	14	17	14	14	14	14	14	14	14
9	21	17	15	13	17	13	16	13	16	13	16	13	16	13	12	12	12	12	12	12
10	19	16	13	12	15	12	15	12	15	12	15	12	15	12	11	11	11	11	11	11

NOTES AND FORMULAS:

Luminance : To convert cd/m² to footlamberts, multiply by 0.2919

Cone of Light:

- Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
- Footcandle values are initial. Apply appropriate light loss factors where necessary.

See page 64-65 of Iris Catalog

CU Notes/Formulas:

- maintained illuminance = $\frac{\text{lamp lumens} \times \text{CU} \times \text{light loss factors}}{\text{room area}}$
- total number of luminaires = $\frac{\text{total room area} \times \text{maintained illuminance}}{\text{lamp lumens} \times \text{CU} \times \text{light loss factors}}$
- CU data based on 20% effective floor cavity reflectance.