IRIS®

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		Date
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.

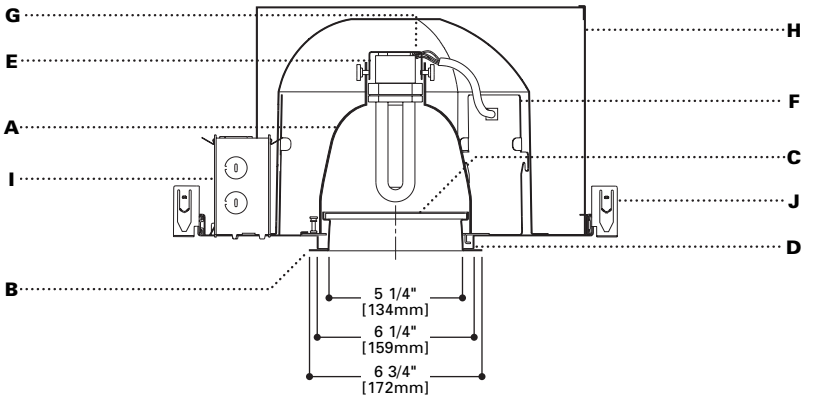
H ... Frame/Housing
Hot dipped galvanized 20 gauge steel frame with built in 1/2 inch plaster lip Aluminum .032 thick housing allows for heat dissipation and reduces weight.

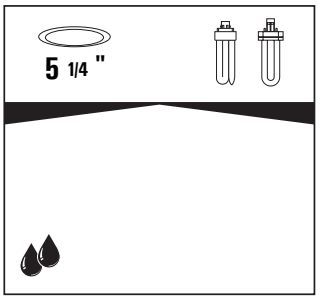
I ... Junction Box
18 cubic inches, listed for 4#12 AWG or 6#14 AWG 90° C additional feed through conductors, has six 1/2 inch pryouts.

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. Nailess 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.

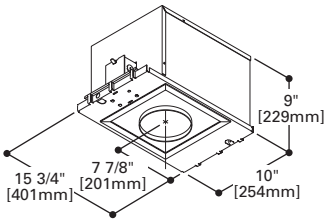




P5
M42T
E5SR

26W TRIPLE
Compact Fluorescent

5" REGRESSED LENS
SHOWERLIGHT



Ceiling Cutout
6 1/4" [159mm]

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

Finish

Standard

C=Clear	K=Cognac
H=Haze	KH=Cognac Haze
G=Gold	CC=Chocolate Custom
WMH=Warm Haze	CCH=Chocolate Haze
W=Gloss White	GP=Graphite
MW= Matte White	GPH=Graphite Haze
B= Black	

Flange

Blank= Matte White die-cast
SF= Self Flange
RAW= Natural Die-cast
SFWF= Self Flange Painted White

Accessories

MBCLP = 40 Push On T Bar Clips (for 10 Units)
PLE5 = Plaster Lip Extension for Max 2" Thick Ceiling

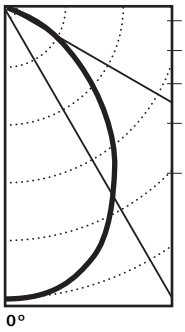
P5-M32T-E5SRC

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

NOTES AND FORMULAS:

Luminance : To convert cd/m^2 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 = $\frac{\text{lamp lumens x CU x light loss factors}}{\text{room area}}$
- total number of luminaires = $\frac{\text{total room area x maintained illuminance}}{\text{lamp lumens x CU x light loss factors}}$
- CU data based on 20% effective floor cavity reflectance.