

SPECIFICATIONS



Trim: Trim is 20-gauge spun steel and attach to luminous bowl with no exposed fasteners.
Luminous Bowl: Bowl is formed white opal acrylic. A white opal acrylic, internal dust shield between the lamps and the bowl keeps dirt and debris from the bowl and allows for easy cleaning.

Ballast housing: Ballasts are integral to the fixture, mounted in a 20-gauge steel housing with a semi-gloss white powder coat finish.

Optics: Fixture efficiencies are between 80% and 83%. The physical nature of the compact fluorescent lamp will cause a slight unevenness in bowl illumination.

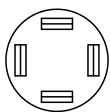
Suspension: 5/8" OD stem with 45° swivel at canopy. Suspension is attached to a quick connect plate for mounting to ballast housing and provided with 10' of lead wires with quick disconnect. Canopy fastens internally with no exposed fasteners. Suspension length is the dimension from the ceiling to the top of the fixture. Standard suspension lengths are shown in example below. For longer SO suspension, specify 48 or 96 for suspension length, and add SE48 option for suspensions up to 48 inches or SE96 option for suspensions up to 96 inches. For longer RB or RDS suspension, specify 48 or 96 for suspension length, and add SE48 option for suspensions up to 48 inches or SE96 option for suspensions up to 96 inches. Stem extension replaces short stem shown in diagrams below and can be cut in the field with jig provided.

Electrical: Electronic ballasts are 2-lamp HPF, programmed start, class P, dual voltage (120/277), and multi-wattage (26/32/42-watt). Fixture is pre-wired for one circuit and can be wired for multiple circuit in the field. Lamp is compact fluorescent 4-pin.

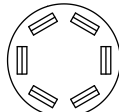
Finish: Polished brass or Satin brass. Custom colors are **NOT** available.

Certification: UL and CUL listed for damp locations. Emergency units are listed dry locations.

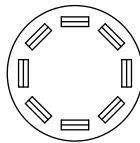
LAMP CONFIGURATIONS



28" 4-LAMP



35" 6-LAMP

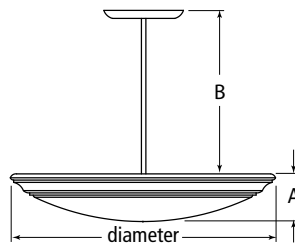


42" 8-LAMP

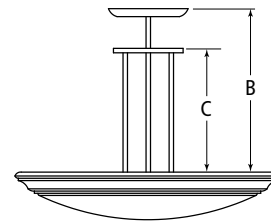
DIMENSIONS

diameter	A
28 (711)	6 5/16 (160)
35 (889)	7 11/16 (195)
42 (1067)	9 3/8 (238)

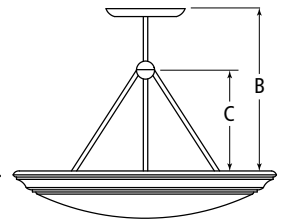
B	C
17 7/8 (454)	13 3/8 (340)
21 11/16 (551)	16 1/4 (413)
27 5/16 (694)	20 1/2 (521)
32 5/8 (829)	24 1/2 (622)



SO suspension



RB suspension



RDS suspension

EXAMPLE

fixture series	lamps	suspension style	suspension length	finish	voltage	options
TR28	4/26CFL	SO	32 5/8	BR	DUAL	GMF
TR28	4/26CFL 4/32CFL 4/42CFL	SO-stem only RB-stem with vertical rods RDS-stem with three rods	21 11/16 27 5/16 32 5/8	BR-polished brass SB-satin brass Other platings, colors or custom colors are NOT available	Dual 347	GMF-slow blow fuse and holder EM13-CF94 or equal (not available for 347V) DIM2-Advance Mark X dimming (26W only, specify 120 or 277 volt) SE48-48" stem extension SE96-96" stem extension
TR35	6/26CFL 6/32CFL 6/42CFL					
TR42	8/26CFL 8/32CFL 8/42CFL					

*Note: For RDS suspension, the TR28 is only available with 21 11/16 length, the TR35 is only available with the 27 5/16 length and the TR42 is only available with the 32 5/8 length. For longer suspensions add SE48 or SE96 option.

Due to a program of continuous improvement, LAM Lighting reserves the right to make any variation in design or construction to the equipment described.

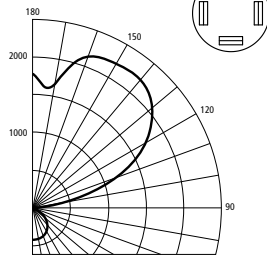
ORDER

project name: _____ type: _____ quantity: _____

_____ - _____ - _____ - _____ - _____ - _____ - _____

PHOTOMETRICS

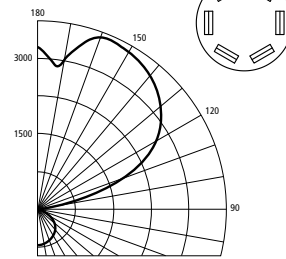
28-INCH-4/42



CANDELA DISTRIBUTION

	0
180°	1756
175°	1624
165°	1949
155°	2178
145°	2215
135°	2149
125°	1912
115°	1470
105°	834
95°	121
85°	71
75°	116
65°	165
55°	221
45°	272
35°	321
25°	360
15°	382
5°	394
0°	395

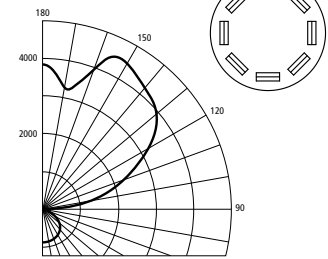
35-INCH-6/42



CANDELA DISTRIBUTION

	0
180°	2972
175°	2734
165°	3147
155°	3356
145°	3262
135°	3096
125°	2759
115°	2112
105°	1385
95°	280
85°	110
75°	184
65°	268
55°	361
45°	451
35°	534
25°	591
15°	632
5°	653
0°	655

42-INCH-8/42



CANDELA DISTRIBUTION

	0
180°	3859
175°	3685
165°	3412
155°	4491
145°	4346
135°	4137
125°	3618
115°	2832
105°	1847
95°	347
85°	166
75°	261
65°	371
55°	493
45°	617
35°	721
25°	800
15°	856
5°	884
0°	890

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture Output	% Lamp Output
0-90°	1287	12.5	10.1
90-180°	8978	87.5	70.2
0-180°	10265	100.0	80.3

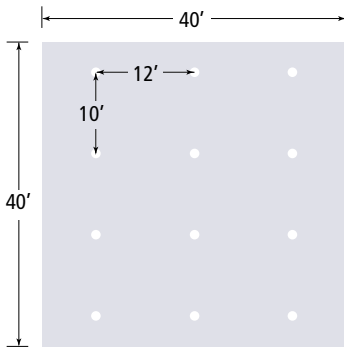
ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture Output	% Lamp Output
0-90°	2107	13.5	11.0
90-180°	13538	86.5	70.5
0-180°	15646	100.0	82.9

ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture Output	% Lamp Output
0-90°	2898	14.0	11.3
90-180°	17747	86.0	69.3
0-180°	20645	100.0	80.6

APPLICATION DATA



4-lamp 32-Watt

LN28-4/32, 2400 lumens per lamp, 0.98 ballast factor, 0.75 LLF

Mounting Height	Foot Candle Average	Uniformity (Max/Min)
8'	30.6	1.9:1

POWER DENSITY IS 1.0 WATTS PER SQUARE FOOT

Reflectance: 80/50/20

Light Loss Factor: 0.95 room depreciation, 0.95 fixture depreciation, 0.85 lamp depreciation, 0.98 ballast factor = 0.75 total LLF

4-lamp 42-Watt

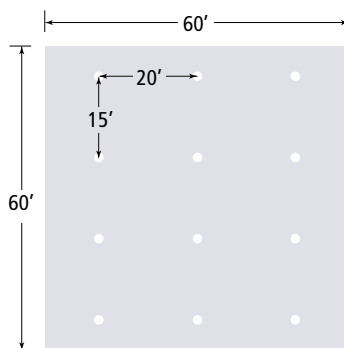
LN28-4/42, 3200 lumens per lamp, 0.97 ballast factor, 0.74 LLF

Mounting Height	Foot Candle Average	Uniformity (Max/Min)
8'	40.3	1.9:1

POWER DENSITY IS 1.4 WATTS PER SQUARE FOOT

Reflectance: 80/50/20

Light Loss Factor: 0.95 room depreciation, 0.95 fixture depreciation, 0.85 lamp depreciation, 0.97 ballast factor = 0.74 total LLF



6-Lamp 32-Watt

LN35-6/32, 2400 average lumens per lamp, 0.98 average ballast factor, 0.75 LLF

Mounting Height	Foot Candle Average	Uniformity (Max/Min)
9.5'	20.7	2.3:1

POWER DENSITY IS 0.7 WATTS PER SQUARE FOOT

Reflectance: 80/50/20

Light Loss Factor: 0.95 room depreciation, 0.95 fixture depreciation, 0.85 lamp depreciation, 0.98 ballast factor = 0.75 total LLF

8-Lamp 32-Watt

LN42-8/32, 2400 average lumens per lamp, 0.98 average ballast factor, 0.75 LLF

Mounting Height	Foot Candle Average	Uniformity (Max/Min)
9.5'	27.4	2.3:1

POWER DENSITY IS 0.9 WATTS PER SQUARE FOOT

Reflectance: 80/50/20

Light Loss Factor: 0.95 room depreciation, 0.95 fixture depreciation, 0.85 lamp depreciation, 0.98 ballast factor = 0.75 total LLF

8-Lamp 42-Watt

LN42-8/42, 3200 average lumens per lamp, 0.97 average ballast factor, 0.74 LLF

Mounting Height	Foot Candle Average	Uniformity (Max/Min)
9.5'	36.1	2.3:1

POWER DENSITY IS 1.2 WATTS PER SQUARE FOOT

Reflectance: 80/50/20

Light Loss Factor: 0.95 room depreciation, 0.95 fixture depreciation, 0.85 lamp depreciation, 0.97 ballast factor = 0.74 total LLF



Stem with angled rod suspension, Polished Brass



Stem with vertical rod suspension, Satin Brass



Single stem suspension, Polished Brass

Traditional styling for elegant spaces. Suspension options are stem only, stem with angled rods, or stem with vertical rods. Trim and suspension can be finished in polished brass or satin brass.

