

ARCHITECTURAL SQUARE (TSS)

H.I.D.

The North Star Square series offers an excellent selection of accent luminaires which will compliment and also maintain the proper perspective of any type of building construction. Accent illumination of building facades, shopping centers, malls, hotels, condominiums, office complexes, entrances; interior or exterior.

- Mounting hardware is heavy duty and sized to safely support and compliment the overall appearance of each assembly.
- Optional accessories include black aluminum groove baffle and a clear or prismatic tempered glass lens.
- Pendant assembly supplied with 18" stem (optional lengths available).
- Porcelain medium base socket with a brass nickel plated screw shell.
- Fully gasketed housing and lens.

Lamps

35-100 Watt High Pressure Sodium (LS)

35-100 Watt Metal Halide (H)

Materials/Finish

Housing: Fabricated of rugged .156" thick one piece extruded aluminum. Finished in all weather polyester powder coating, standard in bronze, black, white and silver (optional colors available)

Reflector: Spun diffuse aluminum reflector is standard.

Installation/Mounting

Luminaire is available for pendant, ceiling, or for wall mounting applications.

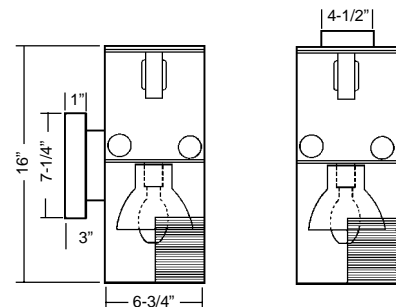
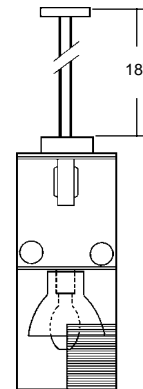
Standard

UL listed for damp locations. Enclosed wall units are UL listed for wet locations.

Specification

To specify state:

An architectural square accent luminaire for pendant, ceiling, or wall mount. A fully gasketed, one piece, heavy duty .156" extruded aluminum housing with spun aluminum reflector and porcelain medium base socket with brass nickel plated screw shell.



NORTH STAR LIGHTING INC.

2150 PARKES DRIVE ♦ P.O. BOX 6038 ♦ BROADVIEW, ILLINOIS ♦ 60155-6038 ♦ 708-681-4330 ♦ FAX 708-681-4006

Web Site: www.nslights.com

ARCHITECTURAL SQUARE (TSS)

INCANDESCENT

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Lamps

120 Watt maximum ER40 Incandescent
250 Watt maximum PAR38 Incandescent
300 Watt maximum R40 Incandescent

Materials/Finish

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Installation/Mounting

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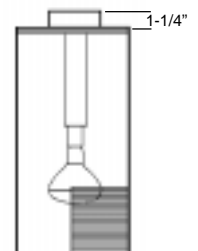
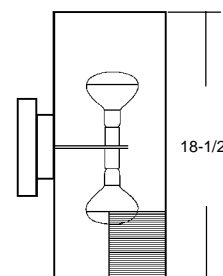
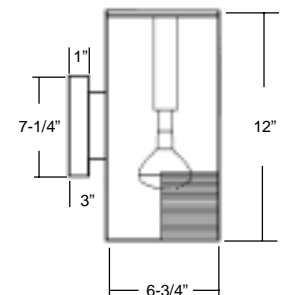
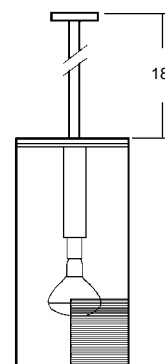
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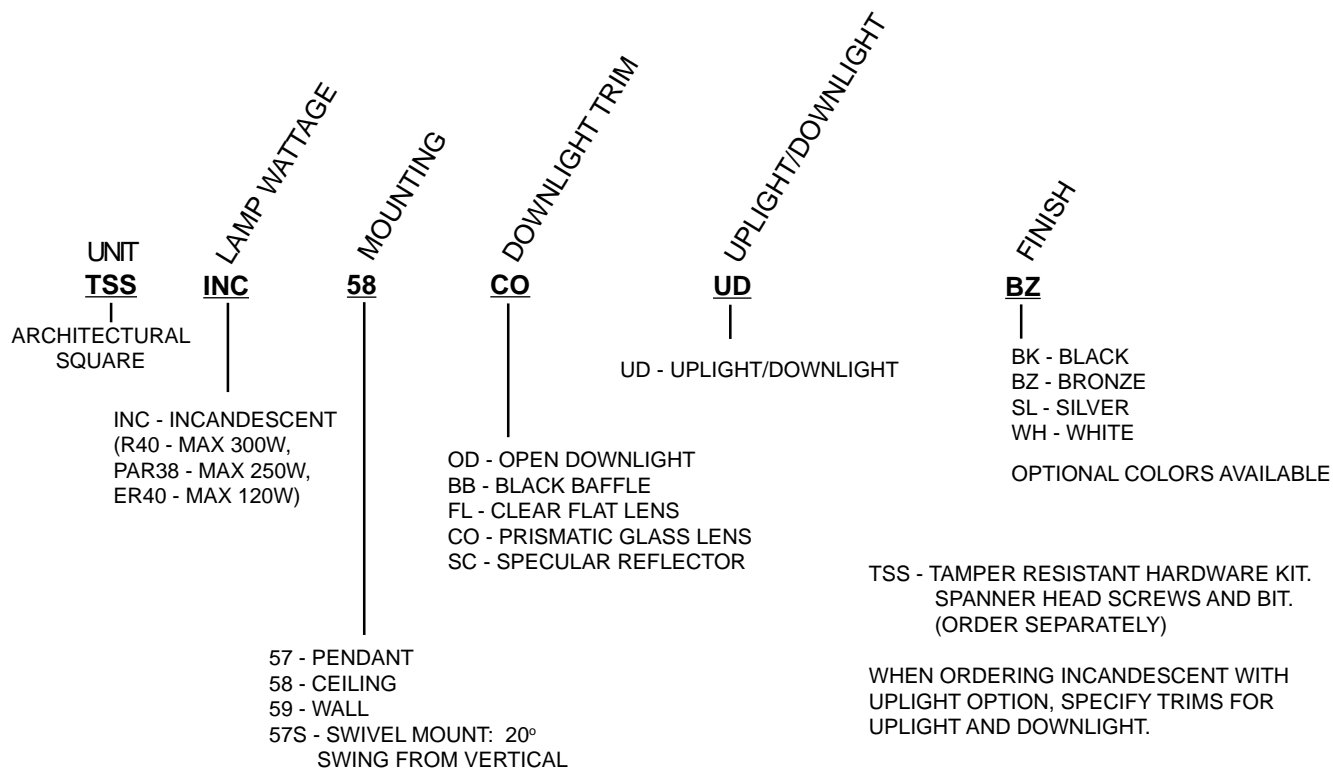
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ARCHITECTURAL SQUARE (INC)

ORDERING EXAMPLE (Select desired item from each column)



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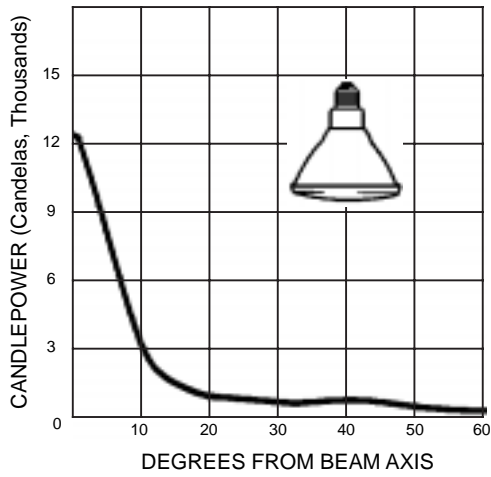
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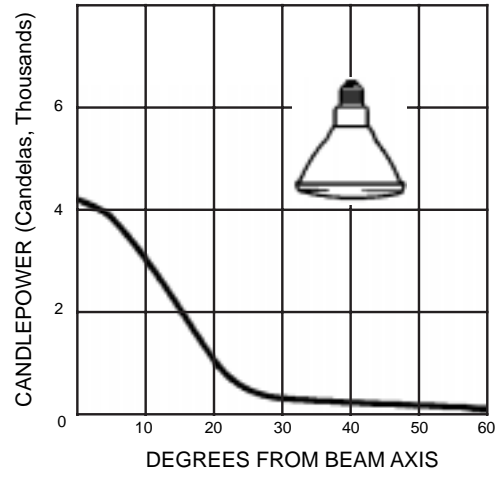
PHOTOMETRICS

CANDLEPOWER DISTRIBUTION CURVES OF TYPICAL PAR AND R LAMPS

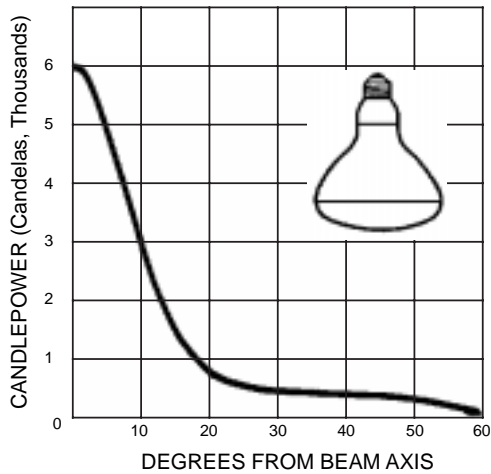
150PAR/SP



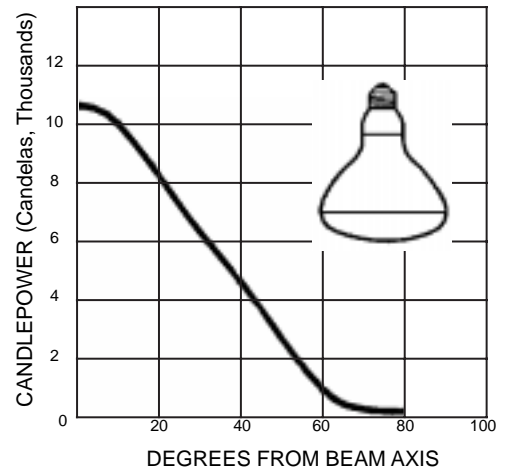
150PAR/FL



150R/SP



150R/FL



FOR FURTHER INFORMATION - CONSULT FACTORY



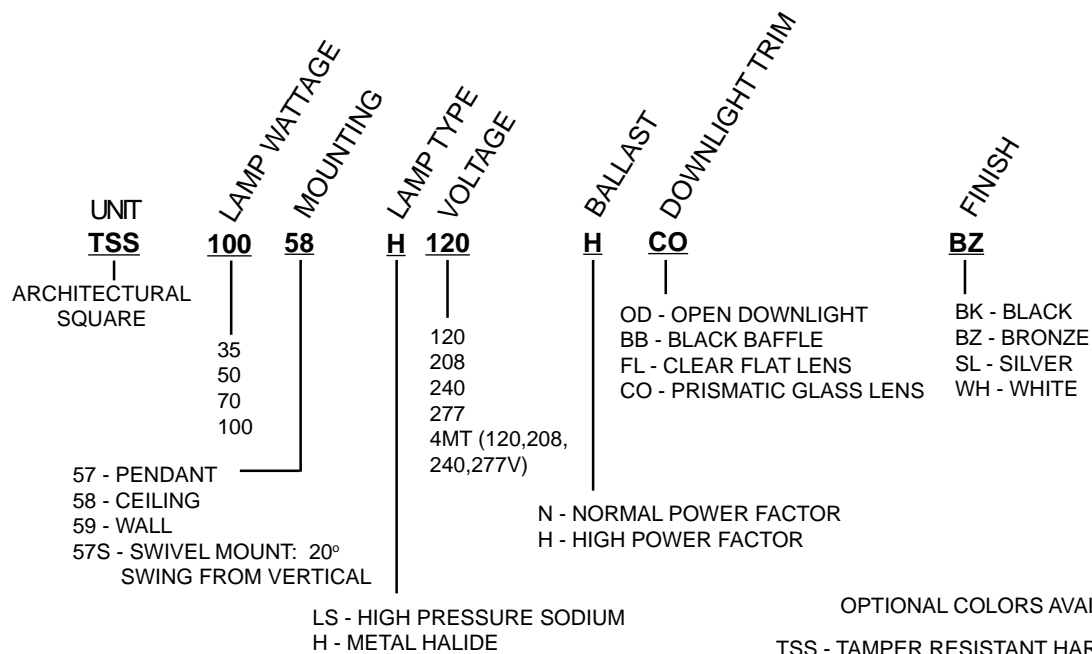
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ARCHITECTURAL SQUARE (H.I.D.)

ORDERING EXAMPLE (Select desired item from each column)



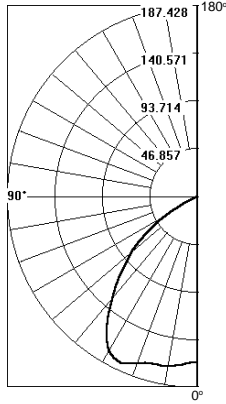
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PHOTOMETRICS

CATALOG NUMBER: TSS-100-58H-120H-BB
 LAMP: PHOSPHOR COATED ED-17 METAL HALIDE
 REFLECTOR: FABRICATED METAL HOUSING, SPUN DIFFUSE
 ALUMINUM, BLACK PAINTED FABRICATED
 GROOVED LOWER BAFFLE
 LUMENS: PER 1,000 LAMP LUMENS
 EFFICIENCY: 41.6%
 CIE TYPE: DIRECT
 LUMINAIRE SPACING CRITERIA: 1.4



DEG	CANDELA	LUMENS
0	163.0	
5	165.0	16.0
15	170.0	49.0
25	180.0	83.0
35	156.0	104.0
45	107.0	90.0
55	60.0	59.0
65	5.0	14.0
75	0.9	0.6
85	0.3	0.3
90	0.0	

ZONAL LUMEN SUMMARY

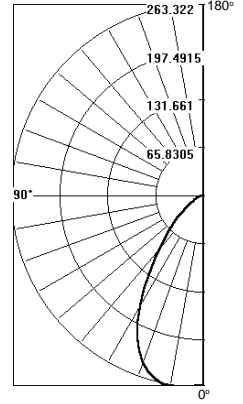
ZONE	LUMENS	%LAMP	%FIXT
0-30	148.0	14.8	35.5
0-40	252.0	25.2	60.5
0-60	401.0	40.1	96.4
0-90	416.0	41.6	100.0
90-180	0.0	0.0	0.0
0-180	416.0	41.6	100.0

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
0	49	49	49	49	48	48	48	48	46	46	46	44	44	44	42	42	42	42			
1	46	45	44	42	45	44	43	42	42	41	40	41	40	39	39	39	38	37			
2	43	40	38	36	42	40	38	36	38	36	35	37	35	34	36	35	34	33			
3	40	36	33	31	39	36	33	31	34	32	30	33	32	30	32	31	29	29			
4	37	33	30	27	36	32	29	27	31	29	27	30	28	26	29	28	26	25			
5	34	29	26	24	33	29	26	24	28	26	23	27	25	23	27	25	23	22			
6	32	29	23	21	31	26	23	21	26	23	21	25	23	21	24	22	20	20			
7	29	24	21	19	29	24	21	19	23	21	19	23	20	18	22	20	18	18			
8	27	22	19	17	27	22	19	17	21	19	17	21	18	17	21	18	17	16			
9	26	20	17	15	25	20	17	15	19	17	15	19	17	15	19	17	15	14			
10	24	19	16	14	24	19	16	14	18	16	14	18	15	14	18	15	14	13			

LUMENS: PER 1000 LAMP LUMENS. FOR OTHER LAMP LUMEN RATINGS, MULTIPLY CANDELA AND LUMEN VALUES BY THE NUMBER: LUMENS DIVIDED BY 1000.

CATALOG NUMBER: TSS-100-59H-120H-FL
 LAMP: PHOSPHOR COATED METAL HALIDE
 REFLECTOR: FABRICATED METAL HOUSING, BROWN
 PAINTED FLAT METAL PANEL BEHIND LAMP.
 SPECULAR ALUMINUM LOWER REFLECTOR,
 CLEAR FLAT PRISMATIC GLASS LENS
 LUMENS: PER 1,000 LAMP LUMENS
 EFFICIENCY: 37.2%
 CIE TYPE: DIRECT
 LUMINAIRE SPACING CRITERIA: 1.1



DEG	CANDELA	LUMENS
0	256.0	
5	260.0	25.0
15	257.0	72.0
25	213.0	96.0
35	129.0	80.0
45	65.0	49.0
55	30.0	27.0
65	14.0	14.0
75	7.0	8.0
85	1.0	2.0
90	0.0	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0-30	194.0	19.4	52.0
0-40	273.0	27.3	73.4
0-60	349.0	34.9	93.8
0-90	372.0	37.2	100.0
90-180	0.0	0.0	0.0
0-180	372.0	37.2	100.0

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
0	44	44	44	44	43	43	43	43	41	41	41	40	40	40	38	38	38	37			
1	42	40	39	33	38	36	34	33	38	37	36	37	36	35	35	35	34	34			
2	39	37	35	33	38	36	34	33	35	33	32	34	32	31	33	32	31	30			
3	36	33	31	29	36	33	31	29	32	30	29	31	29	28	30	29	28	27			
4	34	31	28	26	33	30	28	26	29	27	26	29	27	25	28	26	25	24			
5	32	28	26	24	31	28	25	24	27	25	23	26	25	23	26	24	23	22			
6	30	26	23	21	29	26	23	21	25	23	21	25	23	21	24	22	21	20			
7	28	24	21	20	28	24	21	20	23	21	19	23	21	19	22	21	19	19			
8	27	22	20	18	26	22	20	18	22	19	18	21	19	18	21	19	18	17			
9	25	21	18	17	25	21	18	17	20	18	17	20	18	16	20	18	16	16			
10	24	20	17	15	23	19	17	15	19	17	15	19	17	15	18	17	15	15			

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