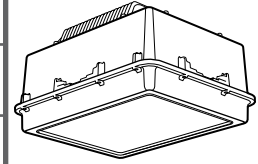


INDUCTION AREA LIGHT – INTERNAL BALLAST

ICEAL1



SUBMITTAL:

JOB:

TYPE:

VOLTAGE:

EXAMPLE:

ICEAL1 - 150S - 41K - FLD/CG1 - SM - OPTIONS - GRAY - UNV

SERIES

LAMP

COLOR TEMPERATURE

DISTRIBUTION/ LENS

MOUNTING

OPTIONS

FINISH OPTIONS

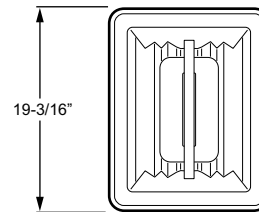
VOLTAGE

SERIES

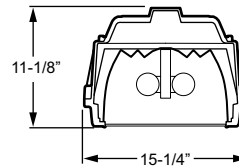
SYLVANIA ICETRON™

- ▶ 100,000-hour lamp life significantly reduces maintenance where re-lamping is inconvenient or expensive.
- ▶ Induction lamps provide excellent lumen maintenance—70% at 60,000 hours.
- ▶ 80 color rendering index (CRI).
- ▶ 40°C/104°F maximum operating ambient temperature.¹
- ▶ 100W and 150W systems operate in ambient temperatures as low as -40°C/-40°F (-25°C/-13°F with 70W system).¹
- ▶ All-aluminum components dissipate heat for cooler operation.
- ▶ IDA Approved™ Dark-Sky Friendly.
- ▶ Low EMI—complies with FCC non-consumer limits.
- ▶ This fixture is proudly made in the USA.

Note: Component failure due to contaminant intrusion through the primary entry is not covered under warranty. Please see footnote on back for more details.



Bottom View



Weight: 31 Lbs.

ICEAL1 SERIES

HOUSING — Fully enclosed, .125" thick, 100% recycled, die-cast aluminum fixture and ballast housing with premium silicone gasketing standard.

REFLECTOR — 95% reflective highly specular aluminum.

¹ Data is lamp specific. Ambient temperature ratings vary with lamp and voltage—consult factory. Extremely low temperatures may result in reduced light output.

LAMP (Must specify)

SYSTEM	WATTAGE	LUMENS
70	70-watt	6500
100	100-watt	8000
150S ²	150-watt	11000

² 150S system consists of an ICETRON 100/2P/ECO lamp and a QT 1x150 ICE/UNV-T ballast.

LAMP COLOR TEMPERATURE (Must specify)

35K	3500K	41K	4100K	50K	5000K
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DISTRIBUTION (Must specify with Lens)

BAT/	Batwing	FLD/	Flood 6 x 6	T3D/ ³	Type III ³
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³ Wall mount (WM) only.

LENS (Must specify with Distribution)

CG1	Clear tempered glass, 3/16" thick (standard)	DPL	Drop polycarbonate (BAT distribution only)
C73	Clear prismatic tempered glass (FLD distribution only)	MPG	Micro-prismatic tempered glass
CPL	Clear polycarbonate	PPL	Prismatic polycarbonate (FLD distribution only)

ELECTRICAL

Electronic 120-277V ballast standard. Prewired at factory for easy field installation. 480V available with integral stepdown transformer.

SHIELDING

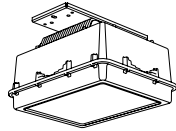
Clear tempered glass lens (CG1).



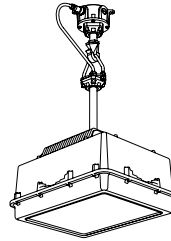
MOUNTING

Surface, pendant,
or wall mount.

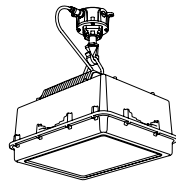
MOUNTING (Must specify)



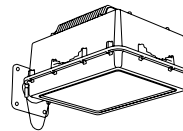
SM
Surface mount plate



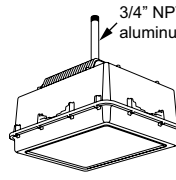
PPH/___
Power hook with pendant mount/
specify length in inches



PH
Power hook

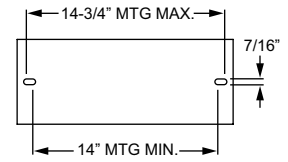


WM
Wall mount (T3D distribution only)

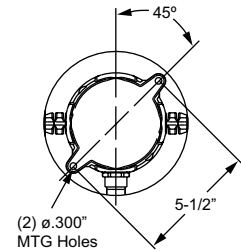


PM/___
Pendant mount/specify length in inches

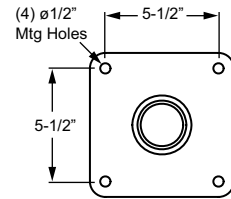
BOLT PATTERN DETAILS



SM Detail



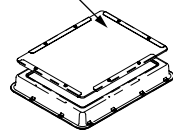
PH and PPH Detail



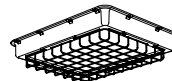
WM Detail

OPTIONS⁴

FVS (Flush
vandal shield)



FVS Flush vandal shield⁵



WG Wireguard

⁴ All options shown attached to face of fixture.
⁵ Not available with DPL.

FINISH

Super durable polyester powder coat bonded to phosphate-free, multi-stage pretreated metal, meets and exceeds AAMA 2604 specifications for outdoor durability. All parts painted after fabrication to inhibit corrosion.

FINISH OPTIONS (Must specify)

BLK	Black (RAL #9004)
DBR	Dark bronze (Protech #PC21462)
GRAY	Standard gray (Protech #PC18367)
GRN	Green (RAL #6005)
SLV	Satin aluminum (RAL #9006)
WHT	White (RAL #9003)
RAL#_____	Specify custom color

LABELS & CERTIFICATIONS

UL listed as suitable for wet locations and Marine Outside Type.

NEMA 4X.

IP66 certified.⁶

VOLTAGE (Must specify)

UNV	120-277V (standard)
480	480V (integral stepdown transformer)

⁶ Door and ballast housing must be torqued to manufacturer's specifications. IP66 rated fixtures provide total dust protection and protection from high-pressure water jets from all directions. The primary electrical conduit system is a potential point of entry for contaminants into any fixture. Component failure due to contaminant intrusion through the primary entry is not covered under warranty. It is the installer's responsibility to ensure contaminants do not intrude into the fixture during any phase of the installation process. It is recommended that a seal-off fitting and compound, similar to Appleton EY fittings with Kwiko sealing compound, be employed at this point of penetration to insure system integrity.

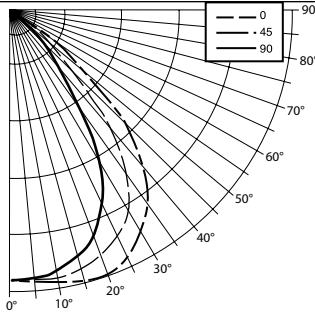


PHOTOMETRY INFORMATION

Catalog #: ICEAL1-150S-FLD/CG1

CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	5122.	5122.	5122.	
5°	5161.	5134.	5113.	489.9
15°	5337.	5118.	4843.	1444.2
25°	5211.	4781.	4130.	2194.6
35°	4510.	3831.	2374.	2272.0
45°	3056.	1851.	1017.	1519.2
55°	1153.	685.	293.	680.9
65°	139.	85.	27.	91.8
75°	15.	13.	6.	10.7
85°	0.	1.	1.	1.0
90°	0.	0.	0.	



TEST REPORT INFORMATION

- ▶ Test Report#: 12447.0
- ▶ Date: 11/11/04
- ▶ Lamp Type: ICETRON 100-2P/QT150
- ▶ Lamp Quantity: 1
- ▶ Rated Lumens: 11000.

DESCRIPTION

- ▶ 1/100W Ictron Induction Lamp
- ▶ Sylvania Ballast #QT 1x150ICE/UNV-T
- ▶ 20" x 15" Area Light Luminaire
- ▶ Highly Specular Flood Optics with Clear Flat Glass Lens

LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0 - 30	4129.	37.5	47.4
0 - 40	6401.	58.2	73.5
0 - 60	8601.	78.2	98.8
0 - 90	8704.	79.1	100.0
Total Luminaire:			
0 - 180	8704.	79.1	100.0
IES Spacing Criteria: End = 1.4 Diagonal = 1.3 Across = 1.1			

ZONAL CAVITY COEFFICIENTS

	Ceiling	.80			.70			.50		
	Wall	.70	.50	.30	.70	.50	.30	.50	.30	.10
Room Cavity Ratio	0	.94	.94	.94	.92	.92	.92	.88	.88	.88
	1	.89	.87	.85	.87	.85	.83	.82	.80	.79
	2	.84	.80	.76	.82	.79	.75	.76	.73	.71
	3	.79	.73	.69	.78	.72	.68	.70	.67	.64
	4	.74	.67	.62	.73	.66	.62	.65	.61	.58
	5	.69	.62	.56	.68	.61	.56	.59	.55	.52
	6	.65	.57	.51	.64	.56	.51	.55	.50	.47
	7	.61	.52	.47	.59	.52	.46	.50	.46	.42
	8	.56	.47	.42	.55	.47	.42	.46	.41	.38
	9	.52	.43	.38	.51	.43	.37	.42	.37	.34
10	.49	.39	.34	.48	.39	.34	.38	.33	.30	

Effective Floor Cavity Reflectance = .20

LIGHT CONE QUICK CALCULATOR TABLES

Mounting Height (Ft)	FC at Edge of Cone	FC at Nadir	Cone Dia. (Feet)		
			End	Across	Diag.
8	14.3	28.6	11.2	14.4	15.2
10	9.2	18.3	14.0	18.0	19.0
12	6.4	12.7	16.8	21.6	22.8
14	4.7	9.4	19.6	25.2	26.6
16	3.6	7.2	22.4	28.8	30.4
18	2.8	5.7	25.2	32.4	34.2
20	2.3	4.6	28.0	36.0	38.0

LUMINANCE DATA (cd/sq.m)

Vertical Angle	Horizontal Angle		
	0°	45°	90°
45°	38906.	23565.	12948.
55°	18096.	10751.	4599.
65°	2961.	1811.	575.
75°	522.	452.	209.
85°	0.	103.	103.
MAXIMUM BRIGHTNESS NOT MEASURED			

QUANTITY ESTIMATOR

Room Size	±50 fc.	±75 fc.	±100 fc.
30' x 30' (900 sq. ft.)	4	6	7
40' x 40' (1,600 sq. ft.)	7	11	15
50' x 50' (2,500 sq. ft.)	12	18	24

Calculations based on standard reflectance of 80/50/20 and a light loss factor of 1.0 with a 15'-0" ceiling height.



ICEAL1

INDUCTION AREA LIGHT – INTERNAL BALLAST

