Photometrics/Specs

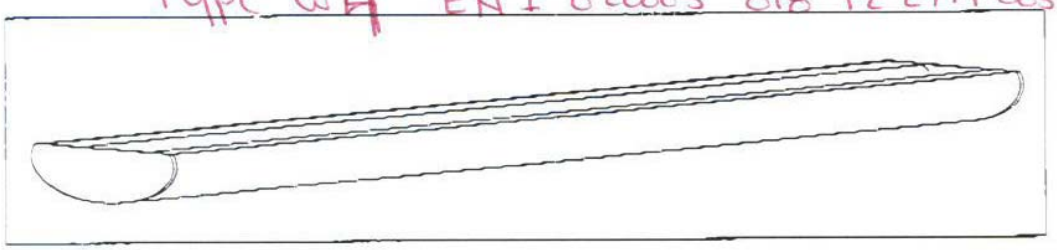
Catalog Number: EN1-020000

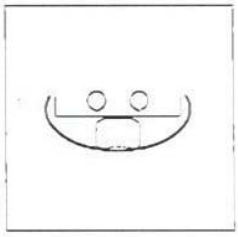
8 x 3 Rounded Indirect 2-Lamp T8

Envision

8 x 3
ROUNDED
INDIRECT

Type W4 EN1 020005 018 12' 277 F005





Construction

Housing one-piece AA 6063 T6 extruded aluminum up to 24' in one uninterrupted section forming a 8" x 3" rounded channel. Die-cast end plate mechanically attached with no exposed fasteners.

Reflectors

Die-formed reflectors combine hammertone specular aluminum and baked white enamel (nominal reflectance 86%).

Electrical

Specify 120 volt or 277 volt. Pre-wired with prescribed circuits as specified. UL and IBEW labels. For special circuiting, consult factory.

Factory Modifications

Factory options by specification. Length (to 24' in one piece - longer with internal joiners), any finish (high-polished or satin-etched anodized; colors painted as selected), or any configuration (with cast aluminum connectors; consult factory for available finishes).

Performance Specifications

Efficiency of luminaire shall be at least 82% of bare lamp lumens. Location of maximum intensity across the luminaire shall be between 120° and 130°. The percentage of luminaire lumens from 90° to 120°, 90° to 130° and 90° to 150° shall be at least 30%, 48% and 79% respectively.

TYPE - W4

EN1-020005-018-12'-277-F005

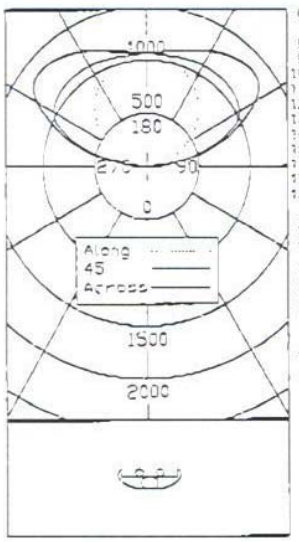
T8 Photometric Report

PEERLESS FAR-FIELD PHOTOMETRY

REPORT NUMBER: 1239 DATE: 2-16-1995

CATALOG NUMBER: EN1-020000-T8
LUMINAIRE: 7 3/4"W X 3"H EXTRUDED ALUMINUM UP LIGHT WITH WHITE PAINTED AND HAMMERTONE REFLECTOR
LAMP(S): 2-F032/31K RATED @ 2900 LUMENS EACH
BALLAST: ADVANCE R2P32-TP
LUMEN TO CANDELA RATIO USED AT 29.25 FEET FROM LUMINAIRE: 9.15
TOTAL INPUT WATTS = 77.2 AT 120.0 VOLTS
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

FAR FIELD "TEST" DISTANCE IS 29.25 FEET



CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
90	2	4	3	3	4	
95	33	146	184	164	164	152
105	186	501	594	627	634	558
115	365	656	952	1022	1037	821
125	541	758	1067	1268	1329	899
135	700	851	1094	1281	1350	822
145	835	931	1097	1233	1286	675
155	937	986	1057	1169	1198	495
165	1011	1029	1066	1101	1116	302
175	1050	1054	1060	1068	1071	101
180	1062	1062	1062	1062	1062	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 90	0	0.0	0.0
90-120	1541	26.6	31.8
90-130	2440	42.1	50.3
90-150	3940	67.9	81.2
90-180	4853	83.7	100.0
0-180	4853	83.7	100.0

TOTAL LUMINAIRE EFFICIENCY = 83.7 %
CIE TYPE - INDIRECT

APPROVED BY:

TESTED IN ACCORDANCE WITH IES PROCEDURES. TEST DISTANCE EXCEEDS 25.0 FEET

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC	.80				.70				.50				.30				.10			
CW	.70	.50	.30	.10	.70	.50	.30	.10	.50	.30	.10	.50	.30	.10	.50	.30	.10	.00
RCR																		
0	.79	.79	.79	.79	.68	.68	.68	.68	.46	.46	.46	.27	.27	.27	.09	.09	.09	.00
1	.72	.69	.66	.63	.62	.59	.57	.54	.40	.39	.38	.23	.23	.22	.07	.07	.07	.00
2	.66	.60	.55	.52	.56	.51	.46	.45	.35	.33	.31	.20	.19	.18	.07	.06	.06	.00
3	.60	.53	.47	.43	.51	.45	.41	.37	.31	.28	.26	.18	.16	.15	.06	.05	.05	.00
4	.55	.46	.40	.36	.46	.40	.35	.31	.27	.24	.22	.16	.14	.13	.05	.05	.04	.00
5	.50	.41	.35	.30	.42	.35	.30	.26	.24	.21	.19	.14	.12	.11	.05	.04	.04	.00
6	.45	.37	.30	.26	.39	.31	.26	.23	.22	.18	.16	.13	.11	.10	.04	.04	.03	.00
7	.42	.33	.27	.22	.36	.28	.23	.20	.19	.16	.14	.11	.10	.08	.04	.03	.03	.00
8	.39	.29	.24	.19	.33	.25	.20	.17	.18	.14	.12	.10	.08	.07	.03	.03	.02	.00
9	.36	.27	.21	.17	.31	.23	.18	.15	.16	.12	.11	.09	.08	.06	.03	.02	.02	.00
10	.33	.24	.19	.16	.28	.21	.16	.13	.14	.11	.09	.08	.07	.06	.03	.02	.02	.00

CALCULATIONS ARE PERFORMED ACCORDING TO PUBLISHED IES PROCEDURES
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NEAR-FIELD PHOTOMETRY AVAILABLE UPON REQUEST

Peerless Lighting Corporation Box 2556, Berkeley, CA 94702-0556
510 845 2760 Fax 510 845 2776

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