



HALCO PRODUCTS COMPANY

100 N. Gordon Street - Elk Grove Village, IL 60007-1193

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Website: www.Halco-Products.com

HALCO
PRODUCT
INFORMATION

600.3000

HALCO CLEAN ROOM LIGHTING FIXTURES TEAR DROP

Features

- Tear drop minimizes air flow turbulence
- Mounts conveniently on a 1½" or 2" tee bar
- Clear acrylic lens with internal linear prisms conceals lamp image.
*Optional amber acrylic lens
- Lens is easily removed for maintenance on ballast and lamps.
- Several Mounting Options
- T8 or T5 Lamps



GENERAL DESIGN CHARACTERISTICS

- Conforms to ISO 14644 (FED STD 209E)
- Fits 1 1/2" & 2" T-Grid Systems
- Can be installed in continuous rows
- Reduces airflow disturbance
- Extruded Aluminum, Aluminum End Plates Standard
 - Available Lengths 2', 3', 4', 8', 12', 16'
- Stainless Steel
 - Available Lengths 2', 3', 4'
- Powder Painted Steel
 - Available Lengths 2', 3', 4'

LENS

- Acrylic with internal prisms for undisturbed airflow
- Clear Lens Standard
- Sealed & Gasketed Lens eliminates gaps and leaks
- Optional: Gold/Amber lens available (UV & Blue to 510mm)

CONSTRUCTION

- Extruded Aluminum Housing
 - Optional Stainless or Powder Coated Steel
- Removable Ends for service access
- Pre Punched mounting holes
- Knockouts on ends & top for easy wiring

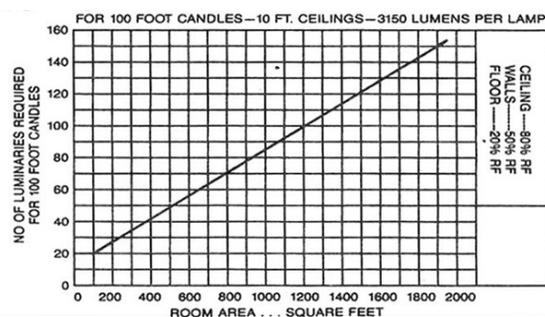
ELECTRICAL

- Electronic ballasts standard
- Universal voltage 120-277/1/60

OPTIONAL ITEMS

- Feed thru wiring
- Row mount end
- Row mount center
- Fusing

QUICK CALCULATOR—HCRTD-PA-08-120



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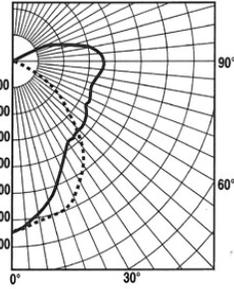
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SPECIFICATIONS

Coefficients of Utilization 1 Lamp, 28W T-5, HCRTD-PA-04 /Prismatic Lens

Ceiling Refl.	80%			50%			10%		
	50	30	10	50	30	10	50	30	10
Wall Refl.	50	30	10	50	30	10	50	30	10
RCR	20% Effective Floor Cavity Reflectance								
1	.76	.72	.68	.66	.63	.60	.55	.53	.52
2	.65	.59	.54	.57	.53	.49	.48	.45	.42
3	.57	.51	.45	.50	.45	.41	.42	.39	.36
4	.51	.44	.38	.45	.39	.35	.38	.34	.31
5	.45	.38	.33	.40	.34	.30	.34	.30	.27
6	.40	.33	.28	.36	.30	.26	.31	.27	.23
7	.37	.30	.25	.33	.27	.23	.28	.24	.21
8	.33	.26	.22	.29	.24	.20	.25	.21	.18
9	.30	.23	.19	.27	.21	.18	.23	.19	.16
10	.27	.21	.17	.24	.19	.16	.21	.17	.14

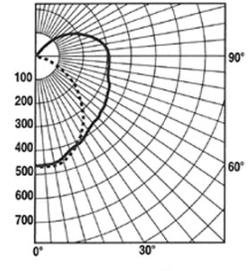


Report No. P11455-2
0° ---
90° —

S/MH Ratio 1.0:1.0
Total Lamp Lumens 2900
Fixture Efficiency 80.9%

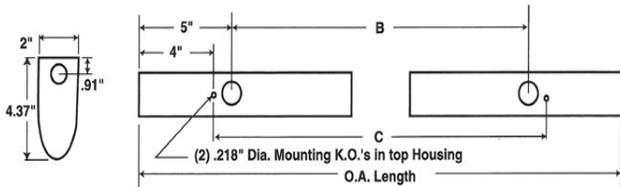
Coefficients of Utilization 1 Lamp, 32W T8, HCRTD-PA-04 /Prismatic Lens

Ceiling Refl.	80%			50%			10%		
	50	30	10	50	30	10	50	30	10
Wall Refl.	50	30	10	50	30	10	50	30	10
RCR	20% Effective Floor Cavity Reflectance								
1	.74	.70	.66	.63	.61	.58	.51	.49	.48
2	.64	.58	.53	.55	.50	.47	.44	.41	.39
3	.56	.49	.44	.48	.43	.39	.39	.36	.33
4	.49	.42	.37	.42	.37	.33	.34	.31	.28
5	.43	.36	.31	.37	.32	.28	.30	.27	.24
6	.39	.32	.27	.34	.28	.24	.27	.24	.21
7	.35	.28	.23	.30	.25	.21	.25	.21	.18
8	.31	.25	.20	.27	.22	.18	.22	.18	.16
9	.28	.22	.18	.25	.19	.16	.20	.16	.13
10	.26	.20	.16	.22	.17	.14	.18	.15	.12

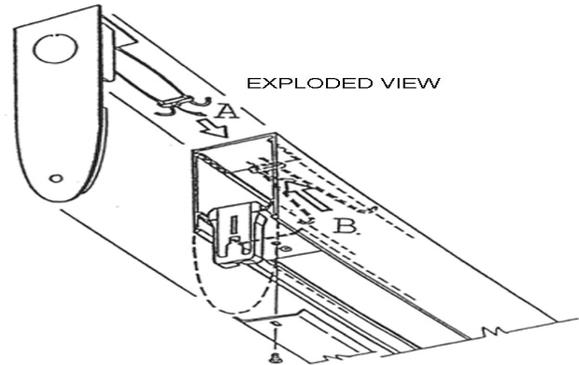


S/MH Ratio 1.2:1
Total Lamp Lumens 2850
Fixture Efficiency 74.6%

Report No. P11455-1
0° ---
90° —



O.A.	B	C
24"	14"	16"
36"	26"	28"
48"	38"	40"
96"	86"	88"
144"	134"	136"
192"	182"	184"



ORDERING DATA

HCRTD-PA-02-120

SERIES

HOUSING

PA—Painted Aluminum
WS— White Steel
SS — Stainless Steel

FIXTURE LENGTH

02—24"
03—36"
04—48"
08—96" (Aluminum Only)
12—144"(Aluminum Only)
16—192"(Aluminum Only)

OPTIONS

RME — Row Mount End
RMC — Row Mount Center
FW — Feed Thru Wiring
GL — UV & Gold Lens
IF — Radio Interference Filter
FU — Fusing

VOLTAGE

120—120
277—277

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In line with our policy of continual product improvement, HALCO reserves the right to incorporate and use equipment and material to conform with the latest design of its products, and in keeping with the specifications of this equipment.