

Recessed Lensed E-Lamp

"Pulse Start" (HPS or MH)

Downlight & Vandal Resistant

Downlight: 50 to 200 Watt

THIS PRODUCT IS NO LONGER AVAILABLE

Please consult QUOTATIONS for the best alternative.

Features

Lamp

- Designed for metal halide E-lamps. See wattage chart below for standard and optional wattages.
- See Option -43 and chart below for lower wattage or HPS availability.

Socket

- Horizontal. Pulse rated. Glazed porcelain.
- Nickel-plated brass screw shell. Silicone leads. Medium base.

Reflector

- Specular Alzak® aluminum.

Trim Assembly - HRR-11078

- Seamless tapered black OptiGroove™ white self-flanged trim.
- UV absorbing tempered prismatic lens. #73 flat glass lens.
- Fully gasketed.
- Optional trims and lenses available.

Trim Assembly - HRV-11080

- Tamper-resistant seamless tapered black

OptiGroove with self-flanged white trim.

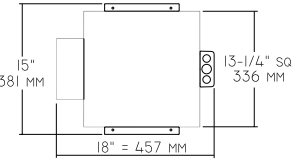
- Flush mount, waterproof, extra strong, wide center mounting to accommodate ceiling joists.
- Includes mounting screws, gaskets, and glass lens.
- Available in 11" and 12" diameters.
- Optional white trim available.

Ballast Assembly: Specify Voltage

- Core and coil 180°C rated HPF pulse start ballast.
- 50-150 watt: Class H, high reactance for 120 volt, non-optimal 60 Hz. (60 Hz. ballast for 277 volt).
- 175-200 watt: Super CWA for 120 volt and OptiGroove™ 65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-1224-1225-1226-1227-1228-1229-1230-1231-1232-1233-1234-1235-1236-1237-1238-1239-1240-1241-1242-1243-1244-1245-1246-1247-1248-1249-1250-1251-1252-1253-1254-1255-1256-1257-1258-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HRR-11078 HRV-11080

Plan View



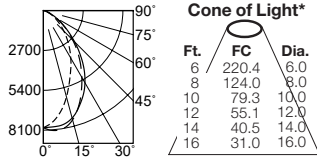
- Cone of Light Key**
- Ft.** Distance from fixture
 - FC** Footcandles (average)
 - Dia.** Circle of light at 50% of FC
- * Dia. (in ft.) shown is where FC value is half the FC at nadir.

C.U. (Coefficients of Utilization) Tables are available on request. Please contact your Kirlin representative.

LIMITED WARRANTY: CATALOGED KIRLIN FIXTURES ARE WARRANTED FREE OF DEFECTS IN WORKMANSHIP OR MATERIAL FOR THREE YEARS FROM DATE OF PURCHASE. INSTALLED TO N.E.C. IN NORMAL USE. Manufacturer at the option will replace or repair, or modification of the fixture without prior written authorization from the manufacturer will void the warranty. This warranty is supplied to the buyer in place of all other warranties expressed or implied. Seller does not warrant as to merchantability or fitness for a particular use, nor will any oral statement constitute a warranty or amend this specific warranty. Abnormal use, abuse of the fixture, improper installation, or repair, or modification of the fixture without prior written authorization from the manufacturer will void the warranty.

HRR-11078 200W

HRR-11078 (Coated Lamp)

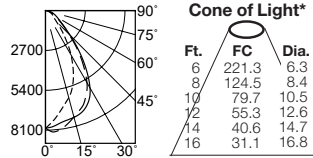


- 0° S/MH 0.8
- 90° S/MH 1.1
- 180° S/MH 1.0

EFFIC: 67.8%
ITL TEST #51714
LER = 50.0 AEC = \$4.80

	CANDLEPOWER DISTRIBUTION				
	0.0	45.0	90.0	135.0	180.0
0	7935	7935	7935	7935	7935
5	7547	7629	7902	8102	8153
15	6056	6504	7533	7796	7861
25	4392	5043	6368	6500	6090
35	3078	3570	4806	4784	4389
45	1959	2279	3000	3030	2816
55	1090	1247	1547	1635	1524
65	483	534	626	664	628
75	134	145	164	146	134
85	6	4	3	1	3
90	0	0	0	0	0

HRR-11078-FR (Coated Lamp)

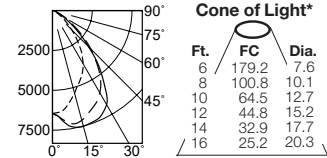


- 0° S/MH 0.8
- 90° S/MH 1.1
- 180° S/MH 1.1

EFFIC: 64.9%
ITL TEST #51715
LER = 47.8 AEC = \$5.02

	CANDLEPOWER DISTRIBUTION				
	0.0	45.0	90.0	135.0	180.0
0	7967	7967	7967	7967	7967
5	7361	7472	7811	8132	8219
15	6110	6630	7487	7734	7461
25	4466	5460	6864	7007	6459
35	2447	3372	4796	4833	4463
45	1046	1580	2367	2436	2229
55	623	885	1185	1177	1095
65	423	568	726	676	585
75	186	303	414	348	268
85	8	8	4	1	3
90	0	0	0	0	0

HRR-11078-HO (Coated Lamp)



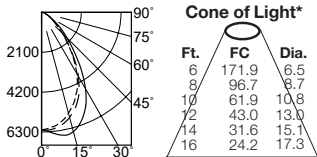
- 0° S/MH 0.9
- 90° S/MH 1.4
- 180° S/MH 1.3

EFFIC: 69.4%
ITL TEST #51716
LER = 51.2 AEC = \$4.69

	CANDLEPOWER DISTRIBUTION				
	0.0	45.0	90.0	135.0	180.0
0	6452	6452	6452	6452	6452
5	6348	6516	6902	6968	6818
15	5358	5912	7512	7760	7125
25	4403	5000	7257	7337	6432
35	3185	3708	5700	5949	5267
45	1721	2190	3197	3549	3411
55	721	944	1337	1611	1611
65	246	331	448	542	574
75	104	124	158	143	117
85	0	0	0	0	3
90	0	0	0	0	0

HRV-11080 200W

HRV-11080 (Coated Lamp)



- 0° S/MH 1.0
- 90° S/MH 1.1
- 180° S/MH 1.0

EFFIC: 52.0%
ITL TEST #51721
LER = 38.3 AEC = \$6.26

	CANDLEPOWER DISTRIBUTION				
	0.0	45.0	90.0	135.0	180.0
0	6189	6189	6189	6189	6189
5	6075	6210	6367	6284	6188
15	5492	6092	6497	6154	5728
25	4459	5116	5503	5132	4694
35	2930	3364	3634	3307	3020
45	1572	1713	1893	1656	1584
55	730	865	892	837	718
65	348	387	394	371	348
75	102	130	146	124	112
85	5	5	5	5	5
90	0	0	0	0	0

* LER (Luminaire Efficacy Rating) = Luminaire Effic. x Total Lamp Lumens x Ballast Factor / Input Watts

• AEC = Annual Energy Cost per 1000 lumens (based on 3000 hours use @ \$0.08 KWH).

SUBMITTAL DATA

APPROVAL STAMP

JOB NAME

TYPE

WATTAGE

VOLTAGE

CATALOG NUMBER