



FINELITE

High Performance Recessed (HPR) 2x4



Refer to page 2 for all door styles

Date

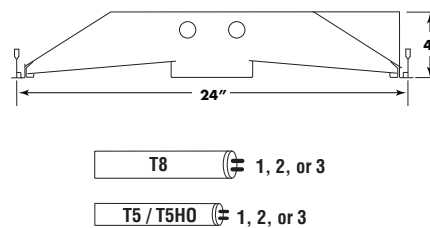
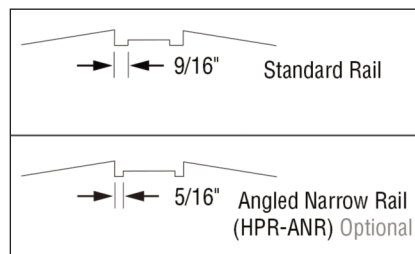
Project

Type

Comments

DESCRIPTION

HPR is a highly effective recessed luminaire delivering excellent visual comfort and outstanding performance for offices, schools, healthcare, and retail applications. Advanced optical designs make HPR a powerful solution for low-ceiling applications and eliminate the shadows common to other recessed products.



ANGLED NARROW RAIL OPTION

Available in Angled door style with the same center optic choices. The optional narrow rails are approximately 5/16" wide. The standard center rails are approximately 9/16" wide.

DIMENSIONS / LIGHT ENGINE

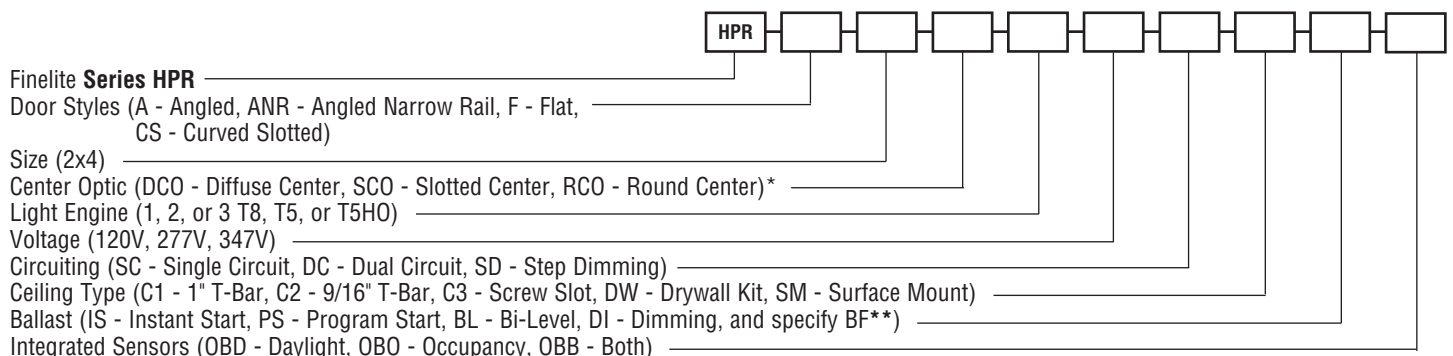
Available in 1, 2, or 3 T8, T5 or T5HO lamps.

INTEGRATED SENSORS

HPR can be specified with integrated daylight or occupancy sensors.

ORDERING GUIDE

Sample Number: HPR - F - 2x4 - DCO - 1T8 - 277 - SC - C1 - IS.88 - OBO



* Only available on Angled (A), Angled Narrow Rail (ANR), and Flat (F)

** Standard 0.88 for T8 lamps, 1.0 for T5 or T5HO. Contact factory for available BF's

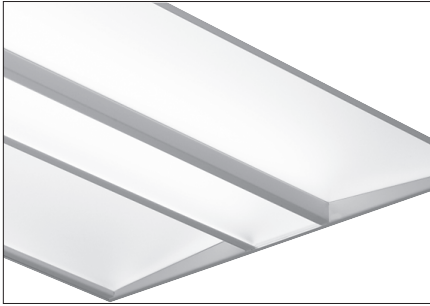
Contact factory for Master/Satellite and factory-supplied whip options.



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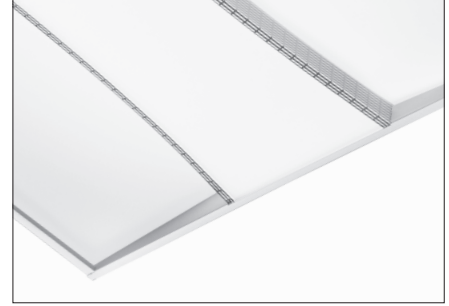
DOOR STYLES

**NEW**

A - Angled
ANR - Angled Narrow Rail



F - Flat

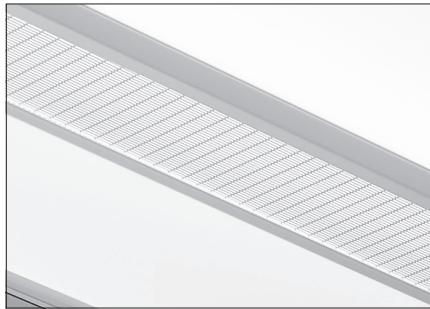
**NEW**

CS - Curved Slotted

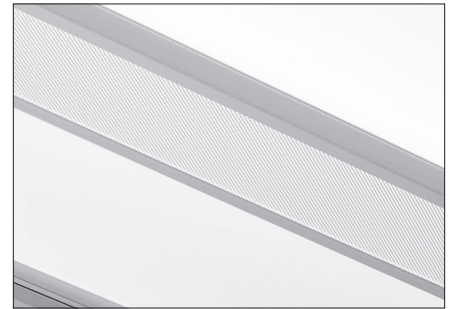
CENTER OPTICS



DCO - Diffuse Center



SCO - Slotted Center



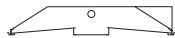
RCO - Round Center



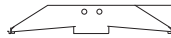
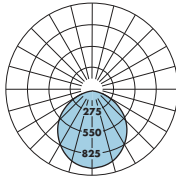
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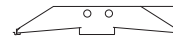
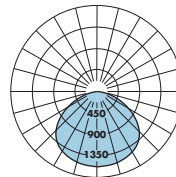
PHOTOMETRY



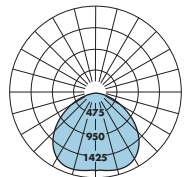
HPR-A: 1 T8-DCO (2x4)
Efficiency: 87.6%
Peak Candela Value: 990@ 0°
LSI Report: 25411



HPR-A: 2 T5-DCO (2x4)
Efficiency: 86.9%
Peak Candela Value: 1548@ 0°
LSI Report: 25441



HPR-A: 2 T8-DCO (2x4)
Efficiency: 84.8%
Peak Candela Value: 1733@ 20°
LSI Report: 25417



CANDLEPOWER SUMMARY

	0.0	22.5	45	67.5	90	Flux
0	990	990	990	990	990	
5	988	988	987	985	979	95
10	975	976	974	971	966	
15	953	953	951	948	943	267
20	922	922	917	913	908	
25	880	880	874	869	864	401
30	828	827	821	816	812	
35	765	764	758	756	754	474
40	695	693	687	692	693	
45	617	615	614	623	627	476
50	535	533	535	548	554	
55	451	449	453	467	473	408
60	367	365	370	380	386	
65	287	284	288	293	298	286
70	210	208	207	210	213	
75	139	137	134	135	135	145
80	77	75	71	70	69	
85	29	26	23	20	20	31
90	0	0	0	0	0	

CANDLEPOWER SUMMARY

	0.0	22.5	45	67.5	90	Flux
0	1548	1548	1548	1548	1548	
5	1545	1544	1545	1546	1537	149
10	1522	1525	1531	1536	1531	
15	1485	1492	1505	1517	1515	424
20	1434	1446	1468	1488	1492	
25	1367	1387	1420	1454	1462	653
30	1288	1314	1362	1410	1424	
35	1195	1227	1292	1352	1372	805
40	1093	1130	1208	1276	1300	
45	983	1022	1107	1177	1201	845
50	864	904	987	1053	1074	
55	740	778	852	907	923	750
60	615	646	708	746	757	
65	491	513	558	581	589	542
70	369	383	409	422	426	
75	254	262	272	276	276	286
80	150	150	152	148	145	
85	61	58	52	44	43	65
90	0	0	0	0	0	

CANDLEPOWER SUMMARY

	0.0	22.5	45	67.5	90	Flux
0	1687	1687	1687	1687	1687	
5	1689	1693	1697	1699	1688	164
10	1672	1682	1700	1713	1710	
15	1640	1659	1694	1725	1729	477
20	1595	1623	1677	1723	1733	
25	1533	1570	1644	1702	1715	752
30	1454	1499	1586	1650	1666	
35	1357	1408	1502	1566	1581	927
40	1244	1297	1392	1451	1465	
45	1117	1167	1256	1306	1318	950
50	979	1023	1099	1140	1148	
55	832	868	930	960	963	815
60	683	710	757	773	773	
65	538	555	586	592	591	569
70	398	408	422	421	419	
75	267	271	274	268	266	288
80	151	150	148	140	138	
85	58	56	51	44	43	64
90	0	0	0	0	0	

— Refer to www.finelite.com for additional photometry and product information.

SPECIFICATIONS

CONSTRUCTION: Die-formed 20-gauge cold-rolled steel housing. All components are hard-tooled to tolerances of +/- 0.010". UV stabilized weather-strip pile gasket with polypropylene backing. Hinged door frame assembly provides easy access to ballast compartment for re-lamping from below. Seismic brackets are integrated into the fixture assembly. Additional wire entrances are positioned on the ends of the housing to allow easy wiring access for the installer.

REFLECTORS: Die-formed 20-gauge cold-rolled steel reflectors are finished in 96 LG high reflectance matte white powder coat paint.

AIR RETURN: Refer to the 2x4 Air Return tech sheet for more information.

OPTICAL SYSTEM: Components include diffuser panels and a central optic element held in place with a frame constructed from die-formed cold-rolled steel. The diffusers are UV-stabilized and impact-resistant frosted virgin acrylic, 0.080" thick. They are either angled toward the central optic or parallel to the ceiling plane. The standard center rails are approximately 9/16" wide. Optional narrows rails are approximately 5/16" wide.

DOOR STYLE: Curved Slotted (CS) includes perforated rails that slope inward and a diffuse frosted acrylic center optic.

CENTER OPTIC OPTIONS: Only available with Angled (A), Angled Narrow Rail (ANR), and Flat (F) door styles.

Diffuse Center Optic (DCO): UV-stabilized and impact-resistant frosted virgin acrylic. Optional Soft Glow Optic (SGO) available for T8 only.

Slotted Center Optic (SCO): Die-formed cold-rolled steel panel with 1/16" x 1/2" rectangular hole pattern. Virgin acrylic overlay.

Round Center Optic (RCO): Die-formed cold-rolled steel panel with precision-punched 3/32" round hole pattern arranged in staggered formation. Virgin acrylic overlay.

LIGHT ENGINE: Available in 1, 2, or 3 T8, T5, or T5HO lamp cross sections.

BALLAST: UL listed Class P. Electronic instant-start ballast <10% THD, 0.88 BF standard for T8 lamps. Electronic program-start ballasts <10% THD, 1.0 BF standard for T5/T5HO lamps. Contact factory for available BF's. Optional adders: program-start ballasts (standard for T5/T5HO), 347V, emergency battery packs, dimming or bi-level ballasts (controls by others).

ELECTRICAL: Fixtures and electrical components are ETL listed conforming to UL1598 in the USA, and Canada and ETL listed certified to CAN/CSA C22.2 No. 250.0. In accordance with NEC code 410.73 (G) this luminaire contains an internal ballast disconnect. IC-Rated for all lamping except 3 T5HO. Optional Chicago Plenum available. Contact factory.



INTEGRATED SENSORS: Integrated PIR (Passive Infrared) occupancy and/or daylight sensors available. Refer to Occupancy Sensor and Daylight Sensor tech sheets for more info.

MOUNTING: Standard flange design works with most lay-in ceiling types. Integral pry-out tabs secure luminaire to ceiling grid from above. Tie-in locations for tie-wire on all corners. Consult local code for appropriate tie-wire recommendations. Drywall Kit available. Surface mount version available; refer to separate tech sheet.

FINISH: Housing and door assembly painted with 96 LG high reflectance matte white powder coat paint. Optional adder: Anti-microbial paint. Contact factory.

FEED: Optional whips (with flex connectors) supplied in a maximum of 11' lengths. Lead Wires.

WIRING: Master / Satellite wiring available. Contact factory for configuration options.

LABELS: Fixture and electrical components are ETL-listed conforming to UL 1598 in the U.S.A. and CAN/CSA C22.2 No. 250.0 in Canada. In accordance with NEC Code 410.73 (G), this luminaire contains an internal ballast disconnect. IC-Rated. Damp Location. Finelite products use electronic components that are RoHS compliant, and the mechanical components of the luminaire have been verified to not knowingly contain any restricted substances listed per RoHS Directive 2002/95/EC.

WEIGHT: 33 lbs maximum.