

FINELITE

LED

BUY AMERICAN ACT OF 2009 COMPLIANT

High Performance Recessed (HPR-LED) 2x2



HPR-LED Collection
2011 IES Progress
Report Selection

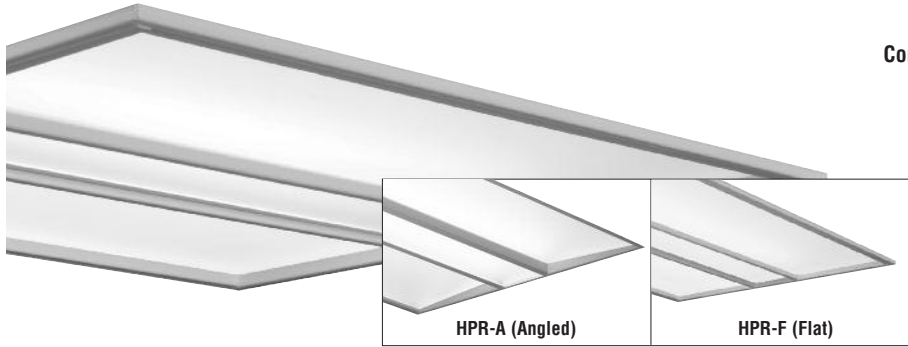
DESIGNLIGHTS
CONSORTIUM
Qualified Luminaire

Date

Project

Type

Comments

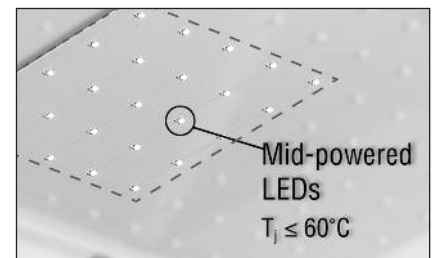


HPR-LED uses patent pending technology

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DESCRIPTION

HPR-LED 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-LED a powerful solution for low-ceiling applications and eliminate the shadows common to other LED recessed products. HPR-LED RoHS compliant.



GLARE-FREE ILLUMINATION:

A glare-free experience is attained with mid-powered LEDs properly distributed and paired with a precise diffuser to eliminate pixilation.

100% SERVICEABLE FROM BELOW:

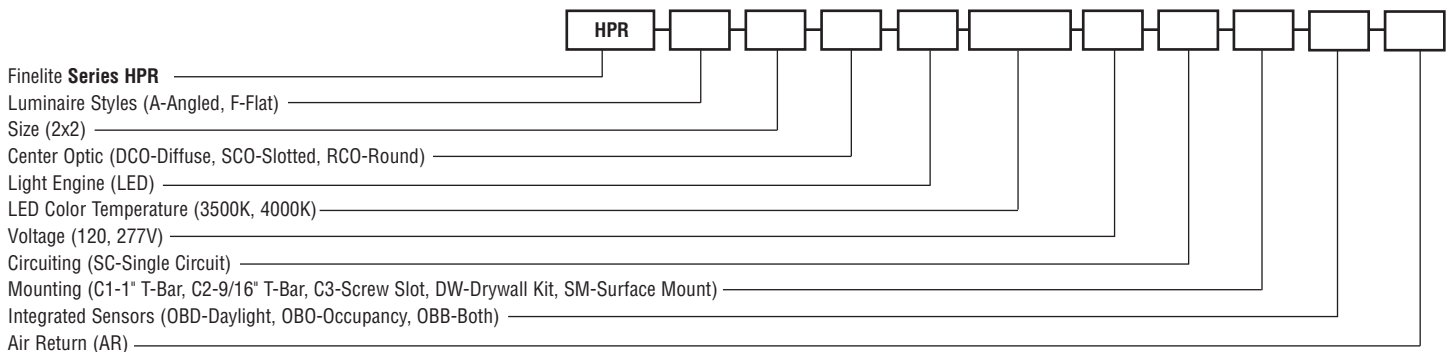
The light engine and driver can be easily changed from below ceiling – and it's simple to install.

THERMAL MANAGEMENT:

Mid-powered LEDs allow heat to be fully dissipated without the need for additional heat sinks.

ORDERING GUIDE

Sample Number: HPR - A - 2x2 - DCO - LED - 4000K - 277V - SC - C1 - OBO - AR



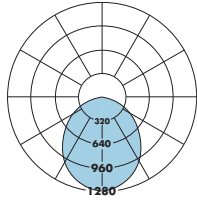
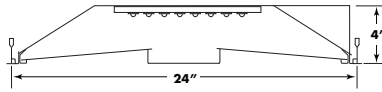
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Due to continuing product improvements, Finelite reserves the right to change specifications without notice. Please visit www.finelite.com for most current data.

High Performance Recessed (HPR-LED) 2x2

PHOTOMETRY

HPR-LED-A DCO (2x2)
 90.4 Lumens Per Watt
 3093 Lumens/34 Watts
 CRI: 84
 R9: 13.3
 CCT: 4000K
 ITL LM79 Report 69557

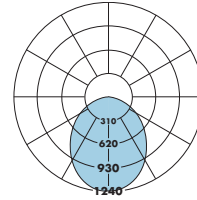
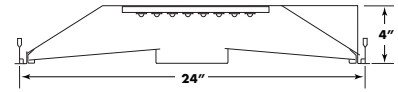


— Refer to www.finelite.com for additional photometry and product information.

CANDLEPOWER SUMMARY						
	0.0	22.5	45	67.5	ACROSS	Flux
0	1279	1279	1279	1279	1279	120
5	1268	1268	1266	1266	1265	338
10	1242	1243	1242	1240	1240	495
15	1199	1199	1199	1199	1200	568
20	1140	1141	1142	1144	1146	647
25	1067	1075	1073	1080	1078	726
30	989	993	993	1001	1002	825
35	903	905	908	914	916	931
40	806	808	812	820	825	1002
45	709	710	716	723	726	1078
50	612	618	616	626	625	1146
55	516	518	523	529	530	1200
60	422	423	425	431	430	1240
65	331	332	332	334	333	1265
70	244	251	245	251	244	1266
75	165	168	163	168	165	1266
80	96	97	94	96	95	1265
85	37	38	35	34	34	1265
90	0	0	0	0	0	1265

PHOTOMETRY

HPR-LED-A DCO (2x2)
 86.3 Lumens Per Watt
 2987 Lumens/35 Watts
 CRI: 83
 R9: 13.3
 CCT: 3500K
 ITL LM79 Report 69556



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

CANDLEPOWER SUMMARY						
	0.0	22.5	45	67.5	ACROSS	Flux
0	1240	1240	1240	1240	1240	116
5	1229	1231	1228	1227	1227	327
10	1202	1202	1200	1198	1200	479
15	1162	1162	1160	1161	1162	549
20	1106	1106	1106	1106	1112	622
25	1038	1040	1038	1045	1046	699
30	958	961	961	969	968	771
35	876	874	878	883	888	841
40	781	781	786	792	798	902
45	690	687	692	699	701	951
50	589	594	593	605	602	991
55	499	501	505	509	511	1021
60	406	407	410	412	415	1041
65	317	320	320	323	319	1051
70	234	240	234	242	238	1051
75	157	161	155	162	157	1041
80	91	93	91	93	91	1021
85	35	35	33	32	30	981
90	0	0	0	0	0	941

SPECIFICATIONS

CONSTRUCTION: Fixture assembly constructed using die-formed 20-gauge cold-rolled steel housing and ends. All components are hard-tooled to tolerances of 0.010". Driver compartment is accessible from below. Optical system retained using hinged door frame assembly to provide easy access to driver compartment and for servicing from below without the need of tools. 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.

OPTICAL SYSTEM: Optical system components include diffuser panels and a center 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, 0.120" thick. They are either angled toward the center optic or parallel to the ceiling plane.

Available options for the center optic elements:

Diffuse Center Optic: UV-stabilized and impact-resistant frosted virgin acrylic.

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

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

LIGHT ENGINE: 2X2 HPR-LED (4000K) delivers 3093 lumens at 34W and 2x2 HPR-LED (3500K) delivers 2987 lumens at 35W. Light engine is made up of high performance mid-powered LEDs and is designed to distribute heat properly to maximize the life of the LED. LED color temperature: 3500K or 4000K. CRI: 84 (4000K), 83 (3500K), R9: 13.3.

DRIVER: High performance LED driver. Driver is fully accessible from below the ceiling. *120/277v. Power Factor = 95.7% (4000K) 95.5% (3500K). Contact factory for Emergency Battery backups. Total harmonic distortion (THD) <20%. Input current: 0.31A @ 120VAC, and 0.16A @ 277VAC. *Driver can be wired as dimming or non-dimming. Dimming is compatible with 0-10v controls with a range of 100-20%.

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 driver disconnect. Optional Chicago Plenum available. Contact factory.



INTEGRATED SENSORS: Refer to Occupancy Sensor and Daylight Sensor tech sheets for more info.

MOUNTING: Standard flange design works with most lay-in ceiling types. Integral pryout tabs secure luminaire to ceiling grid from above. Fixture offers 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.

AIR RETURN: Refer to 2x2 Air Return tech sheet for more info.

FEED: 18-gauge wire standard.

FINISH: Housing and door assembly painted with 96 LG high reflectance matte white powder coat paint. Available in matte white only.

WEIGHT: Maximum weight: 2x2 - 16 lbs.

WARRANTY: HPR-LED comes standard with a 10-year, warranty on all components.

DLC Qualified: HPR-LED 2x2 with Diffuse Center Optic (DCO) is qualified under the DesignLights™ Consortium program.