



FINELITE

High Performance Recessed (HPR-LED) 1x2



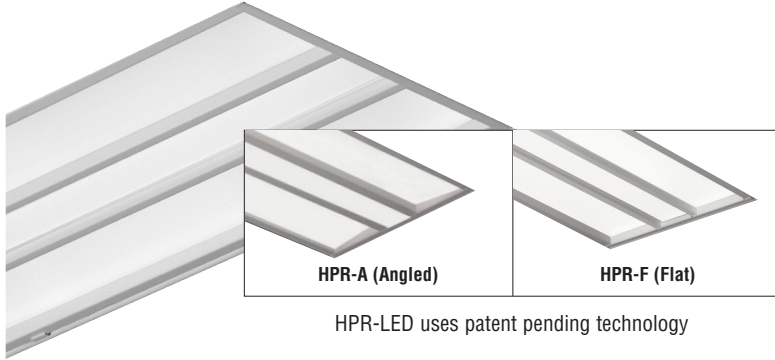
HPR-LED Collection
2011 IES Progress
Report Selection

Date

Project

Type

Comments



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.



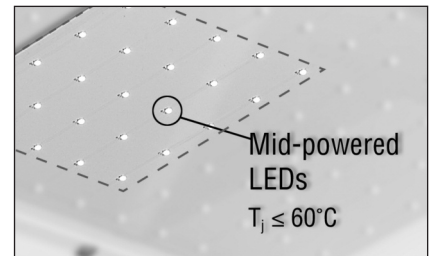
GLARE-FREE ILLUMINATION:

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.

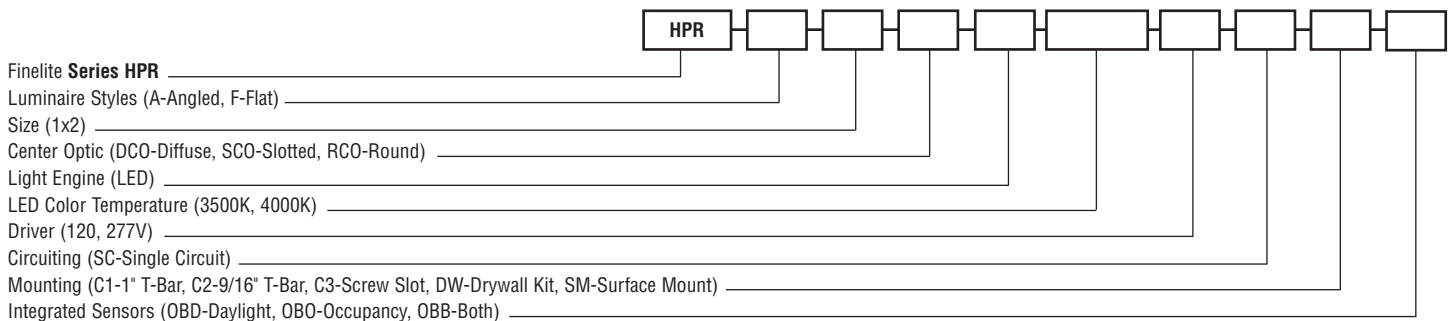


THERMAL MANAGEMENT:

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

ORDERING GUIDE

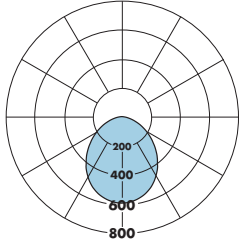
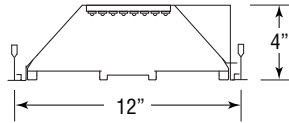
Sample Number: HPR - A - 1x2 - DCO - LED - 4000K - 277V - SC - C1 - OBO



High Performance Recessed (HPR-LED) 1x2

PHOTOMETRY

HPR-LED-F DCO (1x2)
77 Lumens Per Watt
1433 Lumens/19 Watts
CRI: 83
R9: 9
CCT: 4000K
ITL LM79 Report 69838

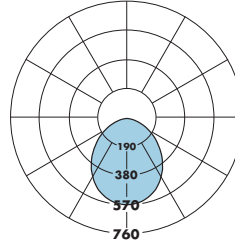
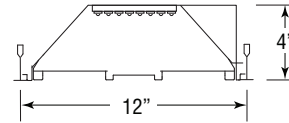


— Refer to www.finelite.com for additional photometry and product information.

CANDLEPOWER SUMMARY						
	0.0	22.5	45	67.5	ACROSS	Flux
0	595	595	595	595	595	
5	591	592	591	591	591	56
10	580	582	580	583	581	
15	562	565	563	568	566	159
20	536	541	539	544	542	
25	504	512	508	515	508	235
30	468	477	470	477	470	
35	428	436	429	434	426	269
40	383	391	381	385	375	
45	337	343	333	335	324	259
50	290	298	283	286	273	
55	244	252	236	235	223	214
60	199	205	190	187	177	
65	155	160	146	143	131	147
70	113	121	103	104	92	
75	75	83	67	68	59	76
80	43	47	37	37	30	
85	17	20	11	12	10	18
90	0	0	0	0	0	

PHOTOMETRY

HPR-LED-F DCO (1x2)
73.8 Lumens Per Watt
1358 Lumens/18 Watts
CRI: 83
R9: 11
CCT: 3500K
ITL LM79 Report 69837



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

CANDLEPOWER SUMMARY						
	0.0	22.5	45	67.5	ACROSS	Flux
0	565	565	565	565	565	
5	562	563	561	562	561	53
10	550	553	552	554	552	
15	534	536	535	539	537	151
20	509	514	512	517	514	
25	479	486	482	490	483	223
30	442	452	445	453	445	
35	405	413	407	411	403	255
40	363	370	362	367	357	
45	318	326	315	318	308	245
50	272	282	267	271	257	
55	230	236	225	223	212	202
60	189	193	180	178	167	
65	146	152	138	136	125	139
70	107	115	97	99	88	
75	71	77	63	65	55	72
80	42	45	35	34	29	
85	16	18	10	12	10	17
90	0	0	0	0	0	

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". Ballast compartment is accessed from below. Optical system retained using hinged door frame assembly to provide easy access to ballast compartment and for re-lamping 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: 1X2 HPR-LED (4000K) delivers 1433 lumens at 19W and 1x2 HPR-LED (3500K) delivers 1358 lumens at 18W. 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: 83 (4000K), 83 (3500K), R9: 9 (4000K), R9: 11 (3500K).

DRIVER: High performance LED driver. Driver is fully accessible from below the ceiling. *120/277v. Power Factor = 96.3% (4000K), 95.8% (3500K). Contact factory for Emergency Battery backups. Total harmonic distortion (THD) <20%. Input current: 0.16A @ 120VAC, and 0.10A @ 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.

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: 1x2 - 12 lbs.

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