

High Performance Recessed (HPR-LED) 1x1



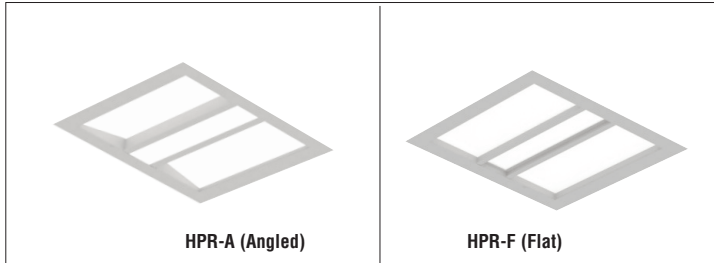
HPR-LED Collection
2011 IES Progress
Report Selection

Date

Project

Type

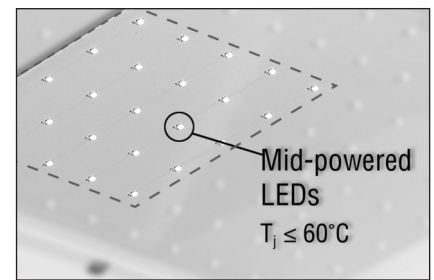
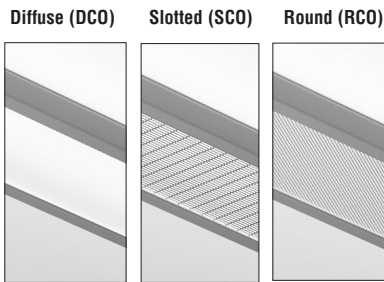
Comments



HPR-LED uses patent pending technology

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 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.

CENTER SHIELDING OPTIONS:

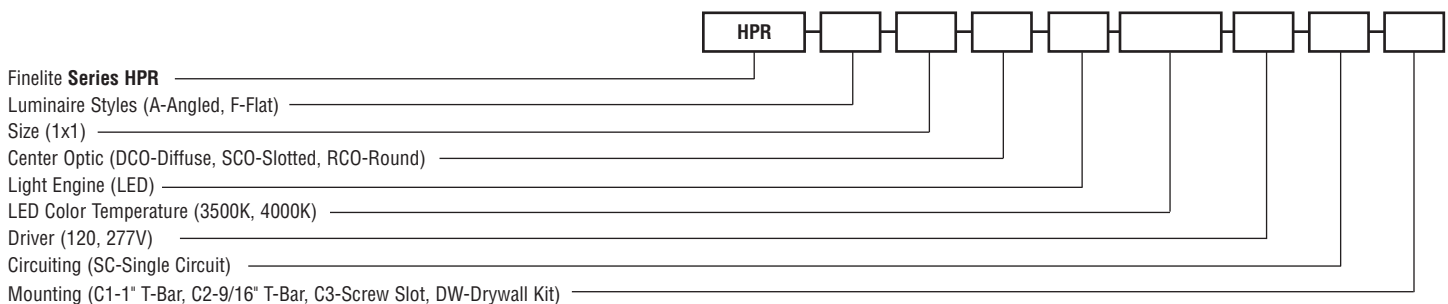
HPR-LED is available with three different center shielding options: a diffuse center optic, a slotted center optic, and a round center optic.

THERMAL MANAGEMENT:

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

ORDERING GUIDE

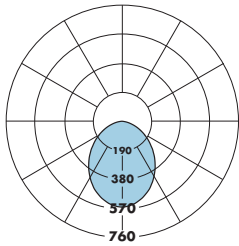
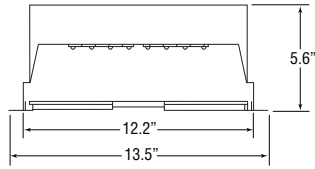
Sample Number: HPR - A - 1x1- DCO - LED - 4000K - 277V - SC - C1



High Performance Recessed (HPR-LED) 1x1

PHOTOMETRY

HPR-LED-F DCO (1x1)
69.1 Lumens Per Watt
1285 Lumens/19 Watts
CRI: 83
R9: 9
CCT: 4000K
ITL LM79 Report 69840

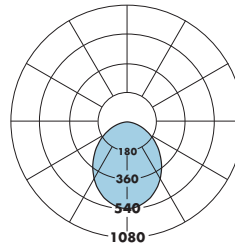
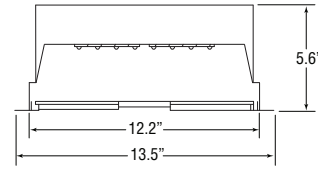


— Refer to www.finelite.com for additional photometry and product information.

CANDLEPOWER SUMMARY						
	0.0	22.5	45	67.5	ACROSS	Flux
0	563	563	563	563	563	
5	556	558	556	558	556	53
10	542	544	542	544	544	
15	521	522	520	523	521	147
20	492	495	492	496	493	
25	459	463	458	465	460	212
30	421	425	420	426	421	
35	383	385	380	386	382	239
40	339	342	337	344	339	
45	296	299	293	299	293	229
50	254	259	249	255	247	
55	214	217	209	213	207	190
60	172	178	168	171	166	
65	134	139	129	131	125	132
70	100	104	93	97	90	
75	67	70	60	64	56	68
80	39	40	33	33	29	
85	14	15	10	12	10	15
90	0	0	0	0	0	

PHOTOMETRY

HPR-LED-F DCO (1x1)
67.3 Lumens Per Watt
1239 Lumens/18 Watts
CRI: 83
R9: 10
CCT: 3500K
ITL LM79 Report 69839



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

CANDLEPOWER SUMMARY						
	0.0	22.5	45	67.5	ACROSS	Flux
0	537	537	537	537	537	
5	533	530	533	531	533	50
10	520	518	519	518	520	
15	502	497	500	498	501	140
20	475	470	474	471	476	
25	446	438	444	439	447	203
30	411	402	409	403	411	
35	373	365	370	365	373	230
40	332	324	330	324	331	
45	292	284	288	281	288	221
50	253	242	249	238	247	
55	212	204	208	198	205	183
60	173	166	168	159	165	
65	137	130	130	122	126	128
70	104	94	97	88	95	
75	72	63	65	56	62	67
80	43	37	37	30	33	
85	18	12	14	10	13	16
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.

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: 1X1 HPR-LED (4000K) delivers 1285 lumens at 19W and 1x1 HPR-LED (3500K) delivers 1239 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: 10 (3500K).

DRIVER: High performance LED driver. Driver is fully accessible from below the ceiling. *120/277v. Power Factor = 95% (3500K) 95% (4000K). 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.

MOUNTING: Standard flange design works with most lay-in ceiling types. Fixture offers tie-in locations for tie-wire on all corners. Consult local code for appropriate tie-wire recommendations. Bar hangers (supplied by others).

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: 1x1 - 10 lbs.

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