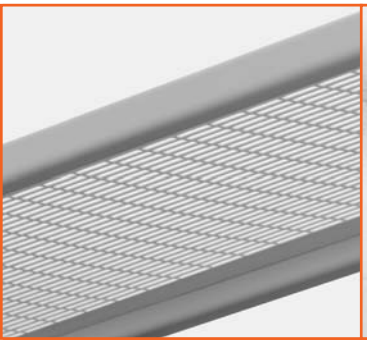
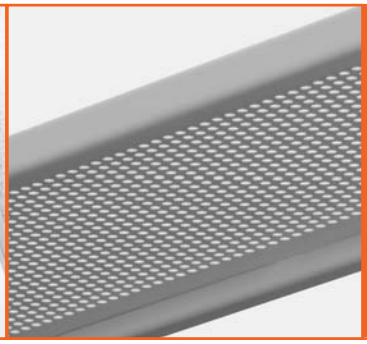
Up to 87% efficient in T8 • Up to 97% efficient in T5 / T5HO • Ships in 10 Days





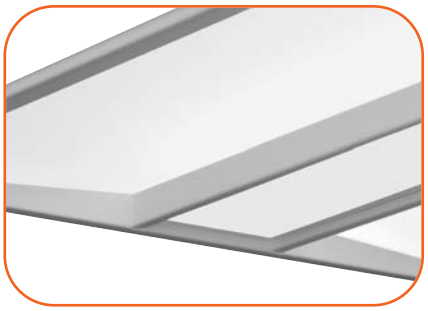
HPR

High Performance Recessed

Beautiful. Sustainable. Achievable.

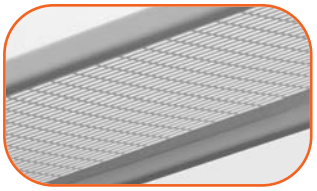
Sustainability by Design

The Finelite High Performance Recessed (HPR) luminaire creates an ideal balance of energy efficiency, high visual comfort, and affordability. HPR is available in two unique styles, multiple sizes and lamp configurations, and can be accented with three center optical elements. Use this luminaire to meet the challenges of today's most sustainable office or educational projects.



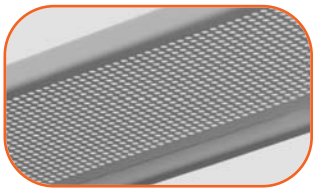
HPR-1 Angled

Diffuse Center Optic



Slotted Center Optic

HPR-2 Parallel



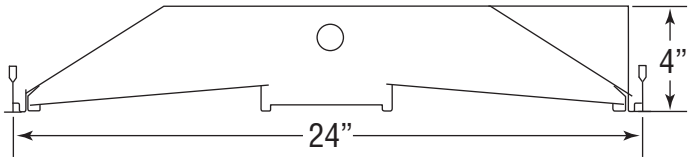
Round Center Optic

Luminaire Styles

Center Shielding Options

Project: GCI General Contractors
San Francisco, CA - LEED Gold

Sizes & Lamping



T8 1, 2, or 3

T5 / T5HO 1, 2, or 3

Daylight Sensor

Occupancy Sensor

Sustainable Options

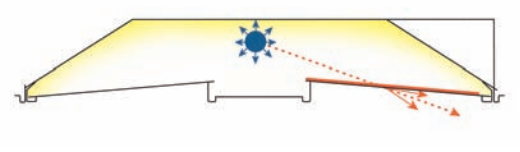
HPR includes sustainable options that make saving energy easy for every project. Occupancy or daylight sensors are integrated into the center shielding element and shipped prewired from the factory.

Performance by Design

87% Efficiency - T8 • 97% Efficiency - T5 / T5HO

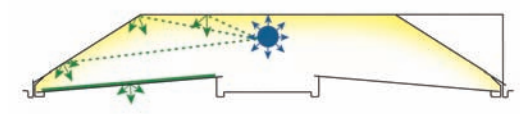
Optical Precision

1. Vertical Illumination



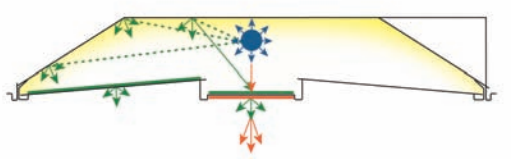
- Softened rays of light illuminate vertical surfaces and the volume of space.
- Eliminates harsh shadows.

2. Glare-Free



- High-reflectance 96LG diffuse reflector technology does most of the work.
- Creates uniformity of brightness efficiently and affordably.

3. Visual Interest



- Combined direct and diffuse light rays pass through a functional and decorative center optic.
- Adds the right amount of sparkle to every environment.

Today's Energy Efficient Approaches

Office

Open Office - 2x4

One luminaire, 1T8
For every 80 ft²
38 fc average maintained, 9' ceiling
0.48 w/ft², 56% below ASHRAE 90.1-2007

Add flexibility and the right amount of light with PLS LED-Task.

Private Office - 2x4

One luminaire, 2T8
10' x 14' enclosed office
27 fc average maintained, 9' ceiling
0.53 w/ft², 52% below ASHRAE 90.1-2007

Add flexibility and the right amount of light with PLS LED-Task.

Private Office - 2x2

Two luminaires, 2T8
10' x 14' enclosed office
23 fc average maintained, 9' ceiling
0.53 w/ft², 52% below ASHRAE 90.1-2007

Add flexibility and the right amount of light with PLS LED-Task.

Education

Classroom - 2x4

Nine luminaires, 2T8
Plus Whiteboard luminaire/ICLS controls
30' x 32' classroom, 9' ceiling
General Mode: 35-50 fc, 0.63 w/ft²
A/V Mode: 10-20 fc, 0.25 w/ft²
55% below ASHRAE 90.1-2007

Use 3T8 for special purpose classrooms like labs, art rooms, music rooms, and dance studios.

Multipurpose - 2x4

One luminaire, 3T8
For every 120 ft²
45 fc average maintained, 12' ceiling
0.69 w/ft², 47% below ASHRAE 90.1-2007

Create a variety of solutions by tuning wattage and light output using ballast factor.

Corridor - 2x2

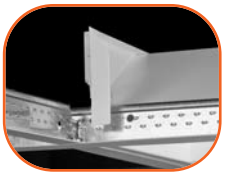
One luminaire, 2T8
12' on center
8' wide corridor
14 fc average maintained, 9' ceiling
0.30 w/ft², 40% below ASHRAE 90.1-2007

Vary spacing according to corridor width for multiple occupancy types.

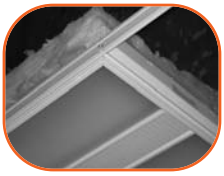
Endurance

Easy Access

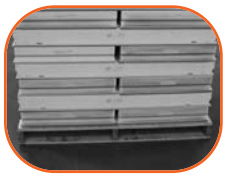
Captive Optics



Simple Installation



IC - Rated



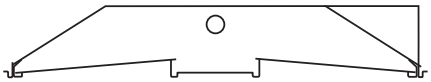
No-Waste Job Pack

Machined and Assembled in the USA

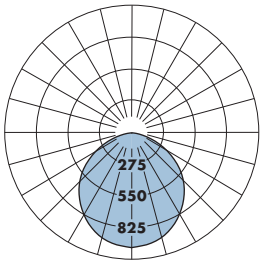
Optical Performance

HPR1: 1T8-DCO (2x4)
Peak Candela Value: 989 @ 0˚
LSI Report 25411
Revit files available for download at www.finelite.com

87.5%
EFFICIENCY



Also available in 2 or 3 lamps.



ZONE	LUMENS	%LAMP	%LUMINAIRE
0-30	764	25.89	29.58
0–40	1238	41.95	47.92
0-60	2121	71.90	82.13
0-90	2583	87.54	100.00
40-90	1345	45.59	52.08
60-90	461	15.64	17.87
90-180	0	0.00	0.00
0-180	2583	87.54	100.00

CANDLEPOWER SUMMARY

	0.0	22.5	45	67.5	90	Flux
0	989	989	989	989	989	
5	988	988	987	985	979	95
10	975	976	974	971	966	
15	953	953	951	948	942	267
20	921	922	917	913	908	
25	880	879	874	869	864	401
30	828	827	820	815	812	
35	765	764	758	756	754	474
40	695	693	687	692	693	
45	617	615	614	622	627	476
50	535	533	535	548	554	
55	451	448	453	467	473	408
60	367	365	370	380	385	
65	287	284	287	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	

Sample Application Matrix

(Refer to www.finelite.com for more templates)

SPACING	SIZE	25-36 fc Average Maintained Illuminance					40-50 fc Average Maintained Illuminance				
		Lamping	BF	Avg/Min	w/ft²	Actual fc	Lamping	BF	Avg/Min	w/ft²	Actual fc
6x8	2x2	2T8	0.81	2.29	0.54	34	2T8	1.03	2.29	0.71	44
	2x4	1T8	0.77	2.26	0.52	36	1T8	0.87	2.27	0.58	41
8x8	2x2	2T8	1.03	1.99	0.53	34	2T5HO	1.0	2.02	0.86	40
	2x4	1T8	0.87	1.98	0.44	32	1T8	1.18	2.05	0.59	43
8x10	2x2	2T8	1.03	1.75	0.43	28	3T5HO	1.0	1.80	1.05	47
	2x4	1T8	1.18	1.79	0.48	36	2T8	0.77	1.73	0.60	45
10x10	2x2	2T5HO	1.0	1.55	0.55	28	N/A	N/A	N/A	N/A	N/A
	2x4	1T8	1.18	1.57	0.38	30	2T8	0.87	1.57	0.55	42
10x12	2x4	2T8	0.87	1.50	0.46	36	2T8	1.18	1.48	0.62	49
	2x4	1T8	1.18	1.49	0.32	25	2T8	0.99	1.46	0.53	41

9' ceiling: 80-50-20 reflectances; 2.5' workplane, empty room
T8 lamps - 4' = 3100 lumens, 2' = 1400 lumens
T5HO lamps - 4' = 4450 lumens, 2' = 1750 lumens
T5 lamps - 4' = 2600 lumens, 2' = 1200 lumens

Input watts based on Osram Sylvania QHE instant start ballasts for T8 and standard programmed start ballasts for T5 / T5HO
LLF: .90 dirt depreciation, .95 T8 lumen depreciation, .93 T5HO lumen depreciation
Open Space: min. 56'x56', max. 60'x60'
HPR Diffuse Center Optic

Ordering Guide

HPR - 2 - 2X2 - 1T8 - DCO - SC - 277 - C1 - BL.88 - OBO

- Finelite Series **HPR**
- Luminaire Styles (1-Angled, 2-Parallel)
- Size (2x4, 2x2, 1x4†, 1x2†, 1x1†)
- Lamp Type (1, 2, or 3 T8, T5 or T5HO)
- Center Optic (DCO-Diffuse, SCO-Slotted, RCO-Round)
- Circuiting (SC-Single Circuit, DC-Dual Circuit)
- Voltage (120, 277, 347V)
- Ceiling Type (C1-1" T-Bar, C2-9/16" T-Bar, C3-Screw Slot)
- Ballast (IS-Instant Start, PS-Program Start, BL-Bi-level, DI-Dimming, and specify BF*)
- On-Board Controls (OBD-Daylight, OBO-Occupancy, OBB-Both)

*Standard .88 for T8 lamps, 1.0 for T5 or T5HO. Contact factory for available BFs
† Contact factory for available luminaire styles and lamp types.

FINELITE
Better Lighting

Mixed Sources
Product group from well-managed forests and recycled wood or fiber
www.fsc.org Cert no. XXX-XXX-XXX
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FSC

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