

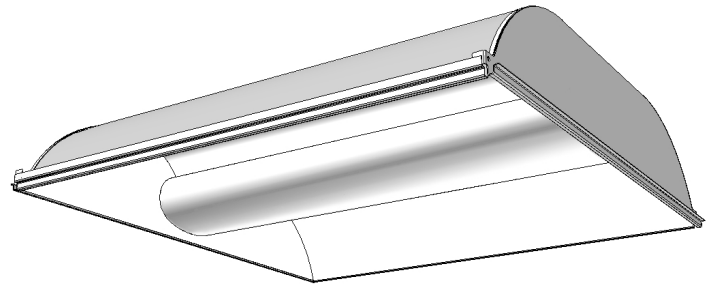
HP90 Recessed Fluorescent **H9S2GLR214 or 224**

Page 1 of 2

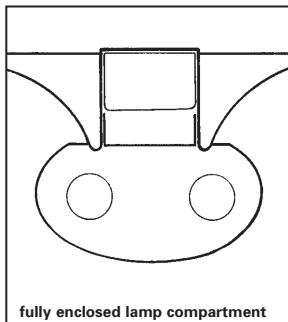
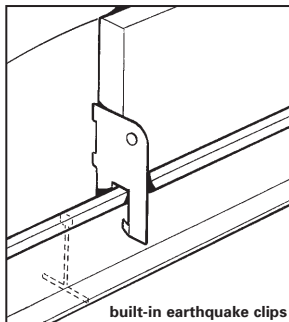
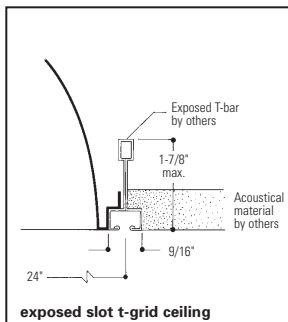
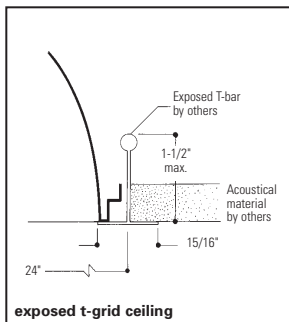
Direct/Indirect – 2' x 2' with Acrylic Linear Prismatic Lens
Static, 2 Lamp T5

Features

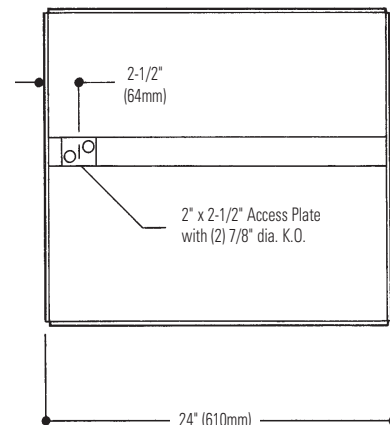
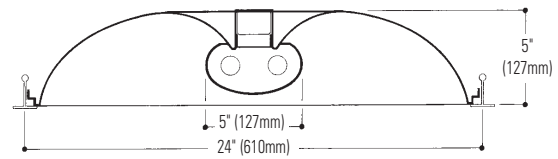
- 77.1% efficient (2 lamp, 14W).
- 76.5% efficient (2 lamp, 24W).
- Direct/indirect appearance with soft contoured interior.
- Lens encloses lamp compartment.
- Translucent DR acrylic linear prismatic lens.
- Tension screws secure ends to body.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling types.
- Lamp shield opens from either side.
- 95% reflective specular aluminum reflector.
- Ballast accessible from room side.
- Built-in earthquake clips.
- Can be continuous row mounted.
- Wiring access plate standard.
- Optional DALI ballast i GEN TECHNOLOGY accepts digital dimming controllers, scene controllers and automatic control devices.
- Construction to meet NYC Code or Chicago Plenum available.



Mounting Methods



Dimensions



Available at www.GoodMart.com
877-402-6100

Lighting, Electrical, Tools, HVAC,
Datacom, Safety Products

Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

Volts/Ballast:

Lightolier a Genlyte company

www.lightolier.com

Technical Information: (978) 657-7600 • Fax (978) 658-0595

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710

We reserve the right to change details of design, materials and finish.

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Section 5/Folio M32-15



HP90 Recessed Fluorescent **H9S2GLR214 or 224**

Page 2 of 2

Direct/Indirect – 2' x 2' with Acrylic Linear Prismatic Lens
Static, 2 Lamp T5

Model No. H9S2GLR214120PG

LER = FP - 58.9 IW - 31.9 BF - 1.0
Comparative yearly lighting energy cost per
1000 lumens = \$4.07

Report Number: G2006122
Catalog Number: H9S2GLR214120PG
Lamps: F14T5
Luminaire: HP90 2' x 2' with linear
prismatic lens.
Ballast: B228PUNV-C
Report is based on 1220 Lumens per lamp.
Efficiency: 77.1%
CIE Type-Direct-Indirect
Plane: 0-Deg 90-Deg
Spacing Criteria: 1.3 1.4
Shielding Angles: 90 90
Plane: 0-Deg 90-Deg
Luminous Length: 22.800 22.800

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	602	602	602	
5	599	604	609	58
15	577	613	642	173
25	535	612	633	275
35	474	548	562	336
45	393	448	456	339
55	292	329	355	295
65	184	231	277	231
75	89	145	178	145
85	17	23	19	29
90	2	2	2	

COEFFICIENTS OF UTILIZATION – ZONAL CAVITY METHOD. EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80	50	30	10
RW	70	50	30	10
1	84	80	77	73
2	76	70	64	65
3	69	61	55	58
4	63	54	47	51
5	58	48	41	46
6	54	43	36	41
7	50	39	33	37
8	46	36	29	34
9	43	33	26	32
10	41	30	24	29

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	1657.	1888.	1922.
55	1517.	1710.	1845.
65	1298.	1629.	1954.
75	1025.	1670.	2050.
85	581.	787.	650.

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	506	20.7	26.9
0- 40	842	34.5	44.7
0- 60	1476	60.5	78.5
0- 90	1881	77.1	100.0
90-180	0	0.0	0.0
0-180	1881	77.1	100.0

Model No. HP9S2GLR224120PG

LER = FP - 66.5 IW - 112.9 BF - 1.0
Comparative yearly lighting energy cost per
1000 lumens = \$3.61

Report Number: G2006116
Catalog Number: HP9S2GLR224120PG
Lamps: F24T5 HO
Luminaire: HP90 2' x 2' with linear
prismatic lens.
Ballast: B224PUNV-C
Report is based on 2000 Lumens per lamp.
Efficiency: 76.5%
CIE Type-Direct-Indirect
Plane: 0-Deg 90-Deg
Spacing Criteria: 1.3 1.4
Shielding Angles: 90 90
Plane: 0-Deg 90-Deg
Luminous Length: 22.800 22.800

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	955	955	955	
5	953	958	966	92
15	934	976	1019	277
25	886	980	1008	443
35	786	878	895	539
45	648	720	728	546
55	485	534	569	479
65	324	381	446	382
75	177	244	291	248
85	34	43	35	53
90	3	3	3	

COEFFICIENTS OF UTILIZATION – ZONAL CAVITY METHOD. EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80	50	30	10
RW	70	50	30	10
1	83	79	76	74
2	75	69	64	65
3	69	60	54	57
4	63	53	46	50
5	58	48	41	45
6	53	43	36	41
7	49	39	32	37
8	46	35	29	34
9	43	32	26	31
10	40	30	24	29

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	2731.	3035.	3069.
55	2520.	2775.	2957.
65	2285.	2687.	3146.
75	2038.	2810.	3351.
85	1163.	1471.	1197.

Ordering Information

Explanation of Catalog Number. Example: H9S2GLR224120PGGLR

HP90 Direct/Indirect Recessed	S Body Style: S = Static	2 Fixture Width	G Ceiling Type: Fits both Standard Grid and Slot Grid	L Acrylic Lens	R Reflector: Specular Aluminum	2 Lamp Quantity 2=2 Lamp	Lamp: (By Others) 14=T5 14W 24=T5HO 24W (Nominal 24")	Voltage: 120, 277 or UNV=120-277	Ballast Type: <20THD <10THD – PG †† – PG ††	Options: Add appropriate suffix to catalog no., ie: (GLR)
H9 Standard HP90										
HY For NYC Code – I.B.E.W. Manufactured										
HN For NYC Code – Local 3 Manufactured										

Options/Accessories

Fusing: Internal fast blow fusing: SUFFIX: **GLR**.
Internal slow blow fusing: SUFFIX: **GMF**.

Drywall Kit: Order Catalog Number: **FK92X2**.

Electrical Wiring Options: Consult factory.

For motion or light sensor. See Folio OA20-10..

Specifications

Performance: In an installation of 2 lamp 14W luminaires in a room cavity ratio of 1, with reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .80. To reduce glare the average brightness at 65° shall not exceed 1954 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 73.1%.

Materials: Chassis parts are die-formed code gauge steel.

Lamp Shield: Linear prismatic translucent DR acrylic lens.

Finish: Chassis exterior – baked white acrylic enamel. Cavity – baked flat white acrylic enamel. Phosphate undercoating. Reflector – low iridescence specular aluminum .95% reflectance.

Specifications (continued)

Electrical: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.

UL Listed for damp locations.

Labels: I.B.E.W./UL and ULc Listed.

This product may have a mercury containing lamp. Manage in accord with Disposal Laws. See: www.lamprecycle.org

Job Information	Type:
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Lightolier a Genlyte company www.lightolier.com
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