

Specifier's Reference

Project
Type
Model No.
Comments

application

- Low-brightness troffer for most ceilings:
 - Grid inverted T (NEMA “G”)
 - Flange-type for concealed mechanical suspension (NEMA “F”)
 - Modular and “Z” spline (NEMA “M/Z”)
- Designed for air supply/return through side slots and/or heat transfer. Select the appropriate catalog no. for air function desired. Air pattern control blades in side slots must be ordered as an option. Air boots by others.
- Excellent visual comfort and inconspicuous appearance.

construction/finish

- Housing is multi-stage phosphate treated for maximum corrosion resistance and finish coat is high reflectance baked white enamel.
- Flat black finish inside perimeter reveal for “floating door” appearance.
- Built in (UL listed) grid clips designed for use with standard 1-1/2” high grid ceiling members.
- Standard wireway cover is designed to accommodate small can ballasts. Use of emergency ballasts or specification of ballasts other than generic ballasts may require the use of a larger wireway cover.
- “Deep” wireway cover may be specified when ordering.

electrical

- Class P, HPF ballasts comply with © Federal Ballast Law (Public Law 100-357,1988).
- UL listed for damp locations. Canadian certified optional.
- Self-contained fluorescent emergency power packs can be incorporated, UL listed for dry locations. Bodine LP series emergency ballasts are recommended for use with the standard wireway cover. DEB series emergency ballasts may be used with the larger wireway cover.

enclosures

- Parabolic-shaped louvers closely controlled for uniform low-brightness appearance, and interlocked to avoid vibration.
- Choice of semi-specular (AL) or specular (FL) low iridescence anodized aluminum, or white (W) louver finishes.
- 12 Cell: Lengthwise shielding is 19°. Crosswise shielding is 26°.
- 16 Cell: Lengthwise shielding is 25°. Crosswise shielding is 26°.
- 32 Cell: Lengthwise shielding is 25°. Crosswise shielding is 28°.
- Bottom aluminum flange has mitered corners and fits flush with ceiling.
- Can be hinged and latched from either side.
- Shipped with plastic film to keep out construction dirt.
- Guide-post spring loaded latches standard.

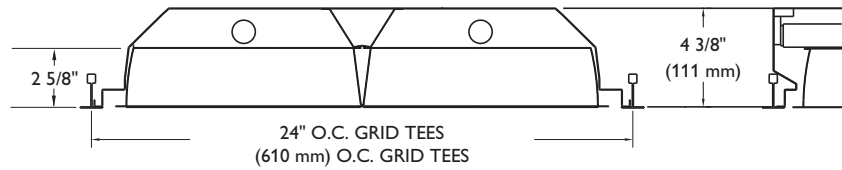
IESNA RP-1

- 32 cell fixtures meet the requirements of IESNA RP-1 for use in spaces containing video display terminals.

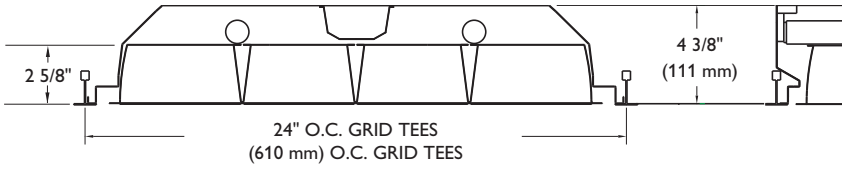
Green Choice: 2LP3GA232-26FL-UNV-1/2EBLHE-LPT835HL

<p>2</p> <p>Family</p> <p>LP3 – LP3 Paralouver LP3C – Canadian Model</p>	<p>2</p> <p>Air Function</p> <p>A – Air Supply C – Combination (Air & Heat Transfer) H – Heat Transfer S – Static (no air function)</p>	<p>–</p> <p>Lamp Type/ Wattage</p> <p>28 – 28W T5 (46”) 32 – 32W T8 (48”) 54HO – 54W T5HO (46”)</p>	<p>–</p> <p>Louver Finish</p> <p>AL – Semi-Specular Low Iridescence Anodized Aluminum FL – Full Specular Low Iridescence W – Painted White</p>	<p>–</p> <p>Options</p> <p>APC – Air pattern control blades ASC – Snap out air slot covers 2WC – Two wireway covers (3 lamp only) DWC – Deep wireway cover PAF – Housing painted after stamping 1/2 – One 2-lamp ballast (electronic or non-standard) EB – Electronic ballast, <20% THD EB10I – Electronic ballast, instant start, <10% THD EB10R – Electronic ballast, program rapid start, <10% THD EBHE – T8 electronic ballast, high efficiency, std. ballast factor EBLHE – T8 electronic ballast, high efficiency, low ballast factor EBHHE – T8 electronic ballast, high efficiency, high ballast factor E1 – DEB-1 emerg. ballast, 350-450 lumens, UL dry loc. E7 – DEB-7 emerg. ballast, 600-700 lumens, UL dry loc. E5 – DEB-5 emerg. ballast, 1100-1400 lumens, UL dry loc. ES5T – DEB-5ST emerg. ballast w/self test, 1100-1400 lumens, UL dry loc. F1 – Installed flex, 3/8” diameter, 18 gauge, 3 wire, 6’ LPT735 – Installed T8 lamps, 70+ CRI, 3500K LPT835HL – Installed T8/T5 hi lumen lamps, 80+ CRI, 3500K</p>
<p>Width</p> <p>2 – 2’</p>	<p>Ceiling Type</p> <p>G – Grid F – Flange Z – Z Spline Modular</p>	<p>No. of Lamps</p> <p>(not included) 2</p>	<p>Louver Config.</p> <p>(cells wide x cells long)</p> <p>26 – 2 x 6 28 – 2 x 8 48 – 4 x 8</p>	<p>Voltage</p> <p>120 277 347 UNV – Universal voltage 120-277 volt</p>

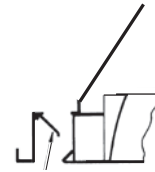
dimensions



12 or 16 Cell - Standard Wireway Cover Shown

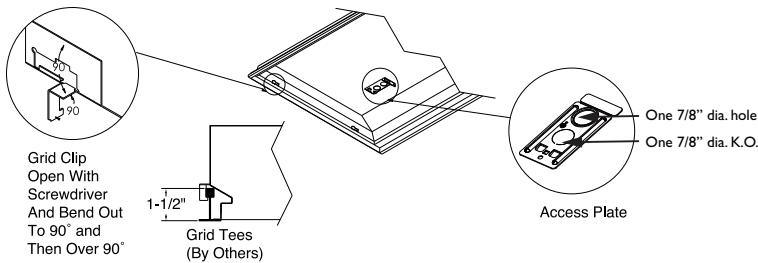


32 Cell - Deep Wireway Cover Shown

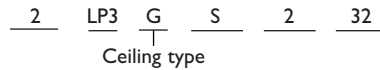


Optional Air Pattern Control (on Air and Combination Units)

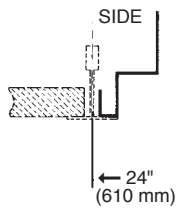
- Fully adjustable
- Closed= Static
- 45°= Horizontal Air Supply
- 90°= (fully open) - Vertical Air Supply
- Side Slots may also be used for Return Air to Plenum
- Snap-in Air Slot Covers (ASC) also available



ceiling configuration

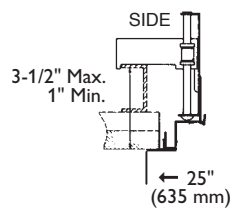


G = Grid (NEMA G)



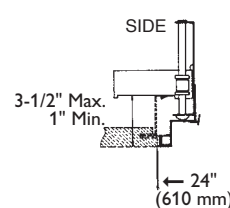
(NEMA Type G)
Lay-in acoustical ceilings
using exposed grid
suspension, with tees for
luminaires on 24" x 48"
spacing.

F = Flange (NEMA F)



(NEMA Type F)
Flange for acoustical ceilings
using concealed mechanical
suspension. Swing-jack
mounting brackets: adjustment
3-1/2" max. and 1" min. Refer
to sheet 801-CL for output
information.

Z = Modular & "Z" Spline (NEMA M/Z)



(NEMA M/Z)
Modular and "Z" Spline
using concealed mechanical
suspension. Swing-jack
mounting brackets:
adjustment 3-1/2" max. and
1" min.

For photometric tests on white louvers ask for test #'s:

12 cell - 20892

32 cell - 20888

LP3 2x4 2 Lamp T8 12 Cell

Efficiency – 82.8%

LER – 68

TER – 61

Catalog No. 2LP3GS232-26FL-1/2-EB Test No. 20889 S/MH 2.0 Lamp Type F32T8 Lumens/Lamp 2850 Ballast Factor 0.88 Input Watts 61 Comparative yearly lighting energy cost per 1000 lumens – \$3.53 based on 3000 hrs. and \$.08 pwr KWH. The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.	Candlepower				Light Distribution				Average Luminance							
	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross				
0	1541	1541	1541	0-30	1216	21.3	25.8	45	2302	3446	5006					
5	1553	1543	1527	0-40	2098	36.8	44.5	55	2093	4101	3947					
10	1528	1529	1502	0-60	4330	76.0	91.8	65	1069	1679	876					
15	1486	1485	1473	0-90	4717	82.8	100.0	75	32	101	82					
20	1433	1436	1463					85	0	19	19					
25	1369	1394	1469	Coefficients of Utilization												
30	1288	1359	1547	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)												
35	1202	1350	1690	pcc	80			70			50					
40	1103	1400	1861	pw	70	50	30	70	50	30	50	30				
45	998	1494	2170	RCR												
50	880	1530	2084	0	98	98	98	95	95	95	92	92				
55	736	1442	1388	1	92	88	84	89	85	83	82	81				
60	562	999	434	2	83	78	72	81	76	71	73	69				
65	277	435	227	3	77	68	63	75	67	61	65	59				
70	54	101	108	4	69	60	54	68	59	53	57	52				
75	5	16	13	5	64	54	46	63	53	46	51	46				
80	2	2	2	6	58	47	40	57	47	40	46	40				
85	0	1	1	7	55	44	36	53	42	35	41	35				
				8	51	40	33	48	39	32	38	32				
				9	46	35	28	46	35	28	34	28				
				10	44	33	27	42	33	26	32	26				

LP3 2x4 2 Lamp T8 12 Cell

Efficiency – 80.7%

LER – 66

TER – 59

Catalog No. 2LP3GS232-26AL-1/2-EB Test No. 20891 S/MH 1.8 Lamp Type F32T8 Lumens/Lamp 2850 Ballast Factor 0.88 Input Watts 61 Comparative yearly lighting energy cost per 1000 lumens – \$3.64 based on 3000 hrs. and \$.08 pwr KWH. The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.	Candlepower				Light Distribution				Average Luminance							
	Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross				
0	1533	1533	1533	0-30	1217	21.4	26.5	45	2334	3234	4519					
5	1546	1533	1516	0-40	2094	36.7	45.5	55	2190	3543	3632					
10	1519	1516	1503	0-60	4176	73.3	90.8	65	1208	1613	1142					
15	1478	1482	1480	0-90	4600	80.7	100.0	75	120	221	252					
20	1427	1440	1474					85	56	75	75					
25	1363	1400	1485	Coefficients of Utilization												
30	1288	1371	1550	EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)												
35	1206	1360	1657	pcc	80			70			50					
40	1112	1377	1788	pw	70	50	30	70	50	30	50	30				
45	1012	1402	1959	RCR												
50	903	1390	1873	0	95	95	95	93	93	93	90	90				
55	770	1246	1277	1	89	85	82	86	83	81	81	79				
60	584	873	524	2	81	76	70	80	73	69	71	68				
65	313	418	296	3	75	67	60	72	66	59	63	58				
70	68	133	149	4	68	58	53	67	57	52	56	51				
75	19	35	40	5	63	53	46	60	52	45	50	45				
80	9	12	14	6	57	46	40	56	46	40	45	39				
85	3	4	4	7	53	42	35	52	41	34	40	34				
				8	50	39	32	47	38	32	36	30				
				9	46	34	28	45	34	28	34	28				
				10	42	33	26	41	32	26	30	26				

252-PLV photometry

LP3 2x4 2 Lamp T5,T5HO orT8

LP3 2x4 2 Lamp T8 32 Cell

Efficiency – 71.7%

LER – 59

TER – 53

Catalog No.	2LP3GS232-48FL-1/2-EB	Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
Test No.	20885	0	1233	1233	1233	0-30	993	17.4	24.3	45	1915	3467	5144
S/MH	2.3	5	1246	1237	1219	0-40	1793	31.4	43.9	55	1678	3896	3868
Lamp Type	F32T8	10	1227	1222	1193	0-60	3932	69.0	96.2	65	116	664	62
Lumens/Lamp	2850	15	1195	1183	1174	0-90	4086	71.7	100.0	75	19	19	19
Ballast Factor	0.88	20	1153	1150	1200					85	0	19	19
Input Watts	61	25	1105	1138	1268								
		30	1048	1153	1421								
		35	984	1213	1664								
		40	917	1341	1879								
		45	830	1503	2230								
		50	719	1556	2228								
		55	590	1370	1360								
		60	376	774	299								
		65	30	172	16								
		70	5	8	7								
		75	3	3	3								
		80	2	2	2								
		85	0	1	1								

Comparative yearly lighting energy cost per 1000 lumens – **\$4.07** based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

LP3 2x4 2 Lamp T8 32 Cell

Efficiency – 67.8%

LER – 56

TER – 50

Catalog No.	2LP3GS232-48AL-1/2-EB	Candlepower				Light Distribution				Average Luminance			
		Angle	End	45	Cross	Degrees	Lumens	% Lamp	% Luminaire	Angle	End	45°	Cross
Test No.	20887	0	1173	1173	1173	0-30	964	16.9	25.0	45	1864	3043	4540
S/MH	2.2	5	1180	1173	1166	0-40	1736	30.4	44.9	55	1675	3171	3515
Lamp Type	F32T8	10	1159	1163	1156	0-60	3625	63.6	93.9	65	521	845	459
Lumens/Lamp	2850	15	1127	1138	1154	0-90	3862	67.8	100.0	75	139	151	151
Ballast Factor	0.88	20	1088	1118	1195					85	56	75	56
Input Watts	61	25	1048	1118	1275								
		30	998	1138	1417								
		35	945	1185	1607								
		40	882	1256	1810								
		45	808	1319	1968								
		50	714	1306	1865								
		55	589	1115	1236								
		60	383	659	395								
		65	135	219	119								
		70	47	53	51								
		75	22	24	24								
		80	11	12	11								
		85	3	4	3								

Comparative yearly lighting energy cost per 1000 lumens – **\$4.29** based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.



Some luminaires use fluorescent or high intensity discharge (HID) lamps that contain small amounts of mercury. Such lamps are labeled, "Contain Mercury" and/or the symbol "HG". Lamps that contain mercury must be disposed of in accordance with local requirements. Information regarding lamp recycling and disposal can be found at www.lamprecycle.org



© 2013 Koninklijke Philips Electronics N.V. All rights reserved.
Specifications are subject to change without notice.
www.philips.com/luminaires

252-PLV 04/13

Philips Lighting Company
200 Franklin Square Drive
Somerset, NJ 08873
Phone: 855-486-2216

Philips Lighting Company
281 Hillmount Road
Markham ON, Canada L6C 2S3
Phone: 800-668-9008