$L_2(81).2_1 \quad (\mathbf{mod}\ 2)$

	blocks	defect	matrix
$2.G:$	1	6	20×3
	2	1	2×1
	3	1	2×1
	4	1	2×1
	5	1	2×1
	6	1	2×1
	7	1	2×1
	8	1	2×1
	9	1	2×1
	10	1	2×1
	11	1	2×1
	12	5	11×1
	13	5	11×1

Block 1:	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{3,0}$
$1_1 = \chi_{1,0}$	1	.	.
$1_2 = \chi_{1,1}$	1	.	.
$41_1 = \chi_{2,0}$	1	.	1
$41_2 = \chi_{2,1}$	1	.	1
$41_3 = \chi_{3,0}$	1	1	.
$41_4 = \chi_{3,1}$	1	1	.
$81_1 = \chi_{24,0}$	1	1	1
$81_2 = \chi_{24,1}$	1	1	1
$82_1 = \chi_{25,0}$	2	1	1
$82_2 = \chi_{25,1}$	2	1	1
$82_7 = \chi_{28,0}$	2	1	1
$82_8 = \chi_{28,1}$	2	1	1
$82_9 = \chi_{29,0}$	2	1	1
$82_{10} = \chi_{29,1}$	2	1	1
$40_1 = \chi_{44,0}$	.	1	.
$40_2 = \chi_{44,1}$	.	1	.
$40_3 = \chi_{45,0}$	.	.	1
$40_4 = \chi_{45,1}$	.	.	1
$164_7 = \chi_{66+}$	4	2	2
$164_8 = \chi_{68+}$	4	2	2

$\varphi_{1,0} = 1_1$
$\varphi_{2,0} = 40_1$
$\varphi_{3,0} = 40_2$

Block 2:	φ_{4+}
$160_1 = \chi_{4+}$	1
$160_{11} = \chi_{46+}$	1

$\varphi_{4+} = 160_1$

Block 3:	φ_{6+}
$160_2 = \chi_{6+}$	1
$160_{12} = \chi_{48+}$	1

$\varphi_{6+} = 160_2$

Block 4:	φ_{8+}
$160_3 = \chi_{8+}$	1
$160_{13} = \chi_{50+}$	1

$\varphi_{8+} = 160_3$

Block 5:	φ_{10+}
$160_4 = \chi_{10+}$	1
$160_{14} = \chi_{52+}$	1

$\varphi_{10+} = 160_4$

Block 6:	φ_{12+}
$160_5 = \chi_{12+}$	1
$160_{15} = \chi_{54+}$	1

$\varphi_{12+} = 160_5$

Block 7:	φ_{14+}
$160_6 = \chi_{14+}$	1
$160_{16} = \chi_{56+}$	1

$\varphi_{14+} = 160_6$

Block 8:	φ_{16+}
$160_7 = \chi_{16+}$	1
$160_{17} = \chi_{58+}$	1

$\varphi_{16+} = 160_7$

Block 9:	φ_{18+}
$160_8 = \chi_{18+}$	1
$160_{18} = \chi_{60+}$	1

$$\varphi_{18+} = 160_8$$

Block 10:	φ_{20+}
$160_9 = \chi_{20+}$	1
$160_{19} = \chi_{62+}$	1

$$\varphi_{20+} = 160_9$$

Block 11:	φ_{22+}
$160_{10} = \chi_{22+}$	1
$160_{20} = \chi_{64+}$	1

$$\varphi_{22+} = 160_{10}$$

Block 12:	$\varphi_{24,0}$
$82_3 = \chi_{26,0}$	1
$82_4 = \chi_{26,1}$	1
$82_{11} = \chi_{30,0}$	1
$82_{12} = \chi_{30,1}$	1
$164_1 = \chi_{32+}$	2
$164_3 = \chi_{36+}$	2
$164_5 = \chi_{40+}$	2
$164_9 = \chi_{70+}$	2
$164_{11} = \chi_{74+}$	2
$164_{13} = \chi_{78+}$	2
$164_{15} = \chi_{82+}$	2

$$\varphi_{24,0} = 82_1$$

Block 13:	$\varphi_{25,0}$
$82_5 = \chi_{27,0}$	1
$82_6 = \chi_{27,1}$	1
$82_{13} = \chi_{31,0}$	1
$82_{14} = \chi_{31,1}$	1
$164_2 = \chi_{34+}$	2
$164_4 = \chi_{38+}$	2
$164_6 = \chi_{42+}$	2
$164_{10} = \chi_{72+}$	2
$164_{12} = \chi_{76+}$	2
$164_{14} = \chi_{80+}$	2
$164_{16} = \chi_{84+}$	2

$$\varphi_{25,0} = 82_2$$