



GP8-24



Mini GP (3,4)



GP48-72

High-Performance Architectural Dimming

- Lutron's patented filter circuit, **RTISS™** (Real Time Illumination Stability System), compensates for incoming line-voltage variations and maintains constant light levels with no visible flicker under conditions with a $\pm 2\%$ change in RMS voltage/cycle and a $\pm 2\text{Hz}$ change in frequency/second; for more information, see Application Notes pg. 179
- Standard Panel ships in 3-5 business days
- Offered in five cabinet sizes from 3-144 circuits
- Preassembled panels, field wiring is similar to wiring lighting distribution panel
- Filter chokes provide a rise time of at least $350\mu\text{sec}$ at 50% dimmer capacity, measured from 10-90% of the load current waveform at 90° conduction angle and at no point faster than $30\text{mA}/\mu\text{sec}$

Loading	Rise Time Limits	Rise time at 90° Conduction
50%	10-90%	$350\mu\text{sec}$
50%	0-100%	$525\mu\text{sec}$
100%	10-90%	$400\mu\text{sec}$
100%	0-100%	$600\mu\text{sec}$

Higher rise times are available up to $875\mu\text{sec}$; contact Lutron for details

Sources



Incandescent



Magnetic Low-Voltage



Electronic Low-Voltage



Fluorescent



Neon/Cold Cathode



High-Intensity Discharge

DESIGN OPTIONS

- Input feed – main lugs, main breakers, feed-through, isolator switch, dual tap main lugs
- Branch breakers – 10A, 15A, 16A, or 20A
- Panel voltage – 100V, 120V, 220V-240V, 230V (CE), 277V
- Operates on 50 or 60 Hz power
- Panel feed – single phase, split phase, or three phase
- Number of circuits: 3-144
- 2Link™ option – provides a second control link that automatically detects the presence of a DMX512 stage console

SPECIFICATIONS

- All voltages indicated are phase-to-neutral
- Operates on 50 or 60Hz power
- Can control most popular load sources including Lutron Fluorescent Dimming Ballasts
- Common neutrals are not permitted; run separate neutrals for each control load
- Panels may be in the middle of a control link; control link must be daisy-chained
- System can include a combination of GP, LP, XP, DCI and Custom Combination Panels
- Power Panel installation instructions are available in multiple languages; contact Lutron or visit the Lutron website for more information

SYSTEMS

GRAFIK Eye®
4000 Series pg. 32



Centralized Lighting Control System, pg. 88

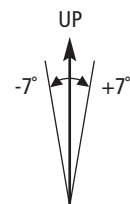
STANDARDS

Standards listed below apply to one or more products in the Lutron product line. Consult factory for specific information.



MOUNTING

- Indoor use only; NEMA Type 1 enclosure, IP-20 protection
- Panel generates heat; mount only where ambient temperature will be $0-40^{\circ}\text{C}$ ($32-104^{\circ}\text{F}$) with a non-condensing relative humidity $< 90\%$
- GP3-GP24; surface mount only
- GP36-GP144; floor mount only
- GP144 circuit panels require access to breakers from both front and back sides
- Panels must mount within 7° of true vertical



Mount Panel Vertically

- 120V/277V/
220V-240V
- 3 – 4 CIRCUITS



Dimensions—GP3,4

W: 11.00" (280mm)
H: 21.15" (538mm)
D: 6.25" (159mm)

wt: 30 lbs (14kg)
Ship wt: 40 lbs (19kg)
Max. BTUs/hr: 685

Note: The feed type of a GP3 panel is designated as a 4, which is 3Ø, 4W. These panels can be wired as 1Ø, 2W with a 50A max. feed, or 1Ø, 3W with a 40A max. feed.

GP3



Available model numbers (Model No. Example: GP3-1204M-15)

Type/Source	Model No. Prefix	No. of Circuits	Voltage	Feed Type ¹	Main Lugs (ML)	Main Breaker (M)	Isolator Switch (IS)	Dual Tap Main Lugs (DTML)	Branch Circuit Breaker Capacity (A) ²	Region Suffix	Maximum Feed (A)	Maximum Dimmed Hot Load (W/VA)
120V												
GP	3-	120	4	M- ⁴	15				15		1500	
GP	3-	120	4	M- ⁴	20				20		2000	
277V												
GP	3-	277	4	M- ⁴	20				20		4500	
220-240V												
GP	3-	230	4	M- ⁴	10			CE	10		2300	
GP	3-	240	4	M- ⁴	16			AU	16		3840	

GP4



120V												
GP	4-	120	FT ²	ML							20	2000
277V												
GP	4-	277	FT ²	ML							20	4500
220-240V												
GP	4-	230	FT ²	ML-				CE	10		2300	
GP	4-	240	FT ²	ML-				AU	16		3840	

- 120V/277V/
220V-240V
- 8 CIRCUITS



Dimensions—GP8

W: 27.65" (700mm)
H: 39.25" (997mm)
D: 12.00" (305mm)

wt: 115 lbs (52kg)
Ship wt: 165 lbs (75kg)
Max. BTUs/hr: 1365

Notes: GP24 Panel is pictured for GP Panels 8-24. Panels listed above are Lutron standard panels. Consult Lutron for additional capabilities, such as job-specific circuit requirements, 0-10V, 2Link™, Delta Power, etc.

GP8



120V												
GP	8-	120	2	ML-	15				175		1500	
GP	8-	120	2	ML-	20				175		2000	
GP	8-	120	3	M60- ⁵	15				60		1500	
GP	8-	120	3	M80- ⁵	20				80		2000	
GP	8-	120	3	ML-	15				175		1500	
GP	8-	120	3	ML-	20				175		2000	
GP	8-	120	4	M50- ⁵	15				50		1500	
GP	8-	120	4	M60- ⁵	20				60		2000	
GP	8-	120	4	ML-	15				175		1500	
GP	8-	120	4	ML-	20				175		2000	
GP	8-	120	4	DTML-	15				225		1500	
GP	8-	120	4	DTML-	20				225		2000	
277V												
GP	8-	277	2	ML-	20				175		4500	
GP	8-	277	4	M60- ⁵	20				60		4500	
GP	8-	277	4	ML-	20				175		4500	
GP	8-	277	4	DTML-	20				225		4500	
220-240V												
GP	8-	230	2	IS-	10			CE	125		2300	
GP	8-	230	4	IS-	10			CE	125		2300	
GP	8-	240	2	IS-	10			AU			2400	
GP	8-	240	2	IS-	16			AU	125		3840	
GP	8-	240	4	IS-	10			AU			2400	
GP	8-	240	4	IS-	16			AU	125		3840	

Footnotes, pg. 153

- 1 Feed types—phase-to-neutral only. 2= 1Ø,2W; 3= 1Ø,3W; 4= 3Ø,4W.
- 2 FT=Feed Through only; Feed wires terminate at terminal blocks. Branch breaker protection provided by others.
- 3 20/16A, 15/12A continuous load rating.
- 4 Input feed terminates at branch breaker(s).
- 5 Numbers following main breaker refer to capacity size of main breaker, i.e., M60=60A Main Breaker.

- 120V/277V/
220V-240V
- 12 - 16 CIRCUITS

Type/Source	Model No. Prefix	No. of Circuits	Voltage	Feed Type ¹	Main Lugs (ML)	Main Breaker (MB)	Isolator Switch (IS)	Dual Tap Main Lugs (DTML)	Branch Circuit Breaker Capacity (A) ²	Region Suffix ⁴	Maximum Feed (A)	Maximum Dimmed Hot Load (W/VA)
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Dimensions—GP12, 16

W: 27.65" (700mm)
H: 39.25" (997mm)
D: 12.00" (305mm)

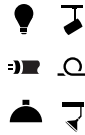
GP12

wt: 130 lbs (73kg)
Ship wt: 180 lbs (82kg)
Max. BTUs/hr: 2045

GP16

wt: 145 lbs (66kg)
Ship wt: 195 lbs (88kg)
Max. BTUs/hr: 2725

GP12



Available model numbers (Model No. Example: GP12-1203ML-15)

120V												
GP	12-	120	3	ML-	15				175	1500		
GP	12-	120	3	ML-	20				175	2000		
GP	12-	120	4	M60 ⁻²	15				60	1500		
GP	12-	120	4	M80 ⁻²	20				80	2000		
GP	12-	120	4	ML-	15				175	1500		
GP	12-	120	4	ML-	20				175	2000		
GP	12-	120	4	DTML-	15				225	1500		
GP	12-	120	4	DTML-	20				225	2000		

277V												
GP	12-	277	4	ML-	20				175	4500		
GP	12-	277	4	M80 ⁻²	20				80	4500		
GP	12-	277	4	DTML-	20				225	4500		

220-240V												
GP	12-	230	4	IS-	10	CE			125	2300		
GP	12-	240	4	IS-	10	AU			125	2400		
GP	12-	240	4	IS-	16	AU			125	3840		

GP16



120V												
GP	16-	120	3	ML-	15				175	1500		
GP	16-	120	3	ML-	20				175	2000		
GP	16-	120	3	M125 ⁻²	15				125	1500		
GP	16-	120	3	M175 ⁻²	20				175	2000		
GP	16-	120	4	ML-	15				175	1500		
GP	16-	120	4	ML-	20				175	2000		
GP	16-	120	4	M90 ⁻²	15				90	1500		
GP	16-	120	4	M100 ⁻²	15				100	1500		
GP	16-	120	4	M125 ⁻²	20				125	2000		
GP	16-	120	4	DTML-	15				225	1500		
GP	16-	120	4	DTML-	20				225	2000		

277V												
GP	16-	277	4	ML-	20				175	4500		
GP	16-	277	4	M125 ⁻²	20				125	4500		
GP	16-	277	4	DTML-	20				225	4500		

220-240V												
GP	16-	230	4	IS-	10	CE			125	2300		
GP	16-	240	4	IS-	10	AU			125	2400		
GP	16-	240	4	IS-	16	AU			125	3840		

Footnotes, pg. 154

- 1 Feed types—phase-to-neutral only. 2=1Ø,2W; 3=1Ø,3W; 4=3Ø,4W; FT= Feed Through.
- 2 Numbers following main breaker refer to capacity size of main breaker, i.e., M60=60A Main Breaker.
- 3 20/16A, 15/12A continuous load rating.
- 4 Region suffix: CE= Europe; AU= Asia or 240V Latin America.

Note: Panels listed above are Lutron standard panels. Consult Lutron for additional capabilities, such as job-specific circuit requirements, 0-10V, 2Link™, Delta Power, etc.

- 120V/220V-240V
- 20 – 24 CIRCUITS

Type/Source	Model No. Prefix	No. of Circuits	Voltage	Feed Type ¹	Main Lugs (ML)	Main Breaker (MB) ²	Isolator-Switch (IS)	Dual Tap Main Lugs (DTML)	Branch Circuit Breaker Capacity (A) ³	Region Suffix ⁴	Maximum Feed (A)	Maximum Dimmed Hot Load (W/VA)
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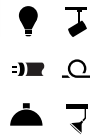
Dimensions – GP20, 24

W: 27.65" (700mm)
H: 39.25" (997mm)
D: 12.00" (305mm)

GP20
wt: 160 lbs (73kg)
Ship wt: 210 lbs (95kg)
Max. BTUs/hr: 3405

GP24
wt: 175 lbs (80kg)
Ship wt: 225 lbs (102kg)
Max. BTUs/hr: 4085

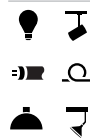
GP20



Available model numbers (Model No. Example: GP20-1203ML-15)

120V												
GP	20-	120	3		ML-	15				225	1500	
GP	20-	120	3		ML-	20				225	2000	
GP	20-	120	4		M110 ⁻²	15				110	1500	
GP	20-	120	4		M150 ⁻²	20				150	2000	
GP	20-	120	4		ML-	15				175	1500	
GP	20-	120	4		ML-	20				175	2000	
GP	20-	120	4		DTML-	15				225	1500	
GP	20-	120	4		DTML-	20				225	2000	
220-240V												
GP	20-	230	4		IS-	10		CE		125	2300	
GP	20-	240	4		IS-	10		AU		125	2400	
GP	20-	240	4		IS-	16		AU		125	3840	

GP24



120V												
GP	24-	120	3		ML-	15				225	1500	
GP	24-	120	3		ML-	20				225	2000	
GP	24-	120	4		M125 ⁻²	15				125	1500	
GP	24-	120	4		M175 ⁻²	20				175	2000	
GP	24-	120	4		ML-	15				175	1500	
GP	24-	120	4		ML-	20				175	2000	
GP	24-	120	4		DTML	15				225	1500	
GP	24-	120	4		DTML	20				225	2000	
220-240V												
GP	24-	230	4		IS-	10		CE		125	2300	
GP	24-	240	4		IS-	10		AU		125	2400	
GP	24-	240	4		IS-	16		AU		125	3840	

- 120V/227V
- 36 CIRCUITS



Dimensions – GP36 Floor-Mount Only

W: 26.20" (665.5mm)
H: 87.00" (2175mm)
D: 14.15" (360mm)
wt: 325 lbs (147kg)
Ship wt: 400 lbs (181kg)
Max. BTUs/hr: 4350

GP36⁵



120V												
GP	36-	120	4		ML-	15				750	1500	
GP	36-	120	4		ML-	20				750	2000	
GP	36-	120	4		M200 ⁻²	15				200	1500	
GP	36-	120	4		M250 ⁻²	20				250	2000	
277V												
GP	36-	277	4		ML-	20				750	4500	
GP	36-	277	4		M250 ⁻²	20				250	4500	

Footnotes, pg. 155

- 1 Feed types – phase-to-neutral only. 2=1Ø,2W; 3=1Ø,3W; 4=3Ø,4W; FT= Feed Through.
- 2 Numbers following main breaker refer to capacity size of main breaker, i.e., M60= 60A Main Breaker.
- 3 20/16A, 15/12A continuous load rating.
- 4 Region suffix: CE= Europe; AU=Asia or 240V Latin America.
- 5 Capable of multiple voltages and feed types (one per section; barriers provided).

Note: Panels listed above are Lutron standard panels. Consult Lutron for additional capabilities, such as job-specific circuit requirements, 0-10V, 2Link™, Delta Power, etc.

- 120V/277V
- 48-144 CIRCUITS

Type/Source	Model No. Prefix	No. of Circuits	Voltage	Feed Type ¹	Main Lugs (ML)	Main Breaker (MB)	Isolator Switch (IS)	Dual Tap Main Lugs (DTML)	Branch Circuit Breaker Capacity (A) ²	Region Suffix ⁴	Maximum Feed (A)	Maximum Dimmed Hot Load (W/VA)
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Dimensions – GP48, 60, 72 Floor-Mount Only

W: 52.40" (1331mm)
H: 87.00" (2175mm)
D: 14.15" (360mm)

GP48
wt: 550 lbs (250kg)
Ship wt: 700 lbs (318kg)
Max. BTUs/hr: 5800

GP60
wt: 600 lbs (273kg)
Ship wt: 750 lbs (341kg)
Max. BTUs/hr: 7250

GP72
wt: 650 lbs (295kg)
Ship wt: 800 lbs (363kg)
Max. BTUs/hr: 8700

Dimensions – GP144 Floor-Mount Only Requires 360° Access (picture not shown)

W: 52.40" (1331mm)
H: 87.00" (2175mm)
D: 28.25" (718mm)

wt: 1300 lbs (590kg)
Ship wt: 1600 lbs (726kg)
Max. BTUs/hr: 17,400

GP48⁵



Available model numbers (Model No. Example: GP48-1204ML-15)

120V

GP	48-	120	4	ML-	15	750	1500
GP	48-	120	4	ML-	20	750	2000
GP	48-	120	4	M250 ⁻²	15	250	1500
GP	48-	120	4	M350 ⁻²	20	350	2000

277V

GP	48-	277	4	ML-	20	750	4500
GP	48-	277	4	M350 ⁻²	20	350	4500

GP60⁵



120V

GP	60-	120	4	ML-	15	750	1500
GP	60-	120	4	ML-	20	750	2000
GP	60-	120	4	M300 ⁻²	15	300	1500
GP	60-	120	4	M400 ⁻²	20	400	2000

277V

GP	60-	277	4	ML-	20	750	4500
GP	60-	277	4	M400 ⁻²	20	400	4500

GP72⁵



120V

GP	72-	120	4	ML-	15	750	1500
GP	72-	120	4	ML-	20	750	2000
GP	72-	120	4	M350 ⁻²	15	350	1500
GP	72-	120	4	M400 ⁻²	20	400	2000

277V

GP	72-	277	4	ML-	20	750	4500
GP	72-	277	4	M400 ⁻²	20	400	4500

GP144⁵



120V

GP	144-	120	4	ML-	15	750	1500
GP	144-	120	4	ML-	20	750	2000

277V

GP	144-	277	4	ML-	20	750	4500
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Footnotes, pg. 156

- 1 Feed types—phase-to-neutral only. 2=1Ø,2W; 3=1Ø,3W; 4=3Ø,4W; FT= Feed Through.
 - 2 Numbers following main breaker refer to capacity size of main breaker, i.e., M60=60A Main Breaker.
 - 3 20/16A, 15/12A continuous load rating.
 - 4 Region suffix: CE= Europe; AU= Asia, 240V Latin America.
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