

■ Mini ZENIGATA LEDs (ZENIGATA is a registered trademark or a trademark of Sharp Corporation in Japan, the United States and/or other countries.)

<7W class>

(T_J = 90°C)

Outline dimensions (mm)	Model No.	Color temperature (K) TYP.	Forward voltage (V) TYP.	Forward current (mA) TYP.	Total luminous flux (lm) TYP.	Average color rendering index Ra TYP.
15.0 × 12.0 (t = 1.4)	GW6BMG27HD6	2 700	34.5	200	830	83
	GW6BMG30HD6	3 000			885	
	GW6BMG40HD6	4 000			925	
	GW6BGG27HD6	2 700			700	93
	GW6BGG30HD6	3 000			750	

<10W class>

(T_J = 90°C)

Outline dimensions (mm)	Model No.	Color temperature (K) TYP.	Forward voltage (V) TYP.	Forward current (mA) TYP.	Total luminous flux (lm) TYP.	Average color rendering index Ra TYP.
15.0 × 12.0 (t = 1.4)	GW6BMW27HD6	2 700	34.5	300	1 200	83
	GW6BMW30HD6	3 000			1 280	
	GW6BMW40HD6	4 000			1 335	
	GW6BGW27HD6	2 700			1 010	93
	GW6BGW30HD6	3 000			1 085	



Mini ZENIGATA LEDs

<Natural toning type>

(T_J = 25°C)

Outline dimensions (mm)	Model No.	Color temperature (K) TYP.	Forward voltage (V) TYP.	Forward current (mA) TYP.	Total luminous flux (lm) TYP.	Average color rendering index Ra TYP.
15.0 × 12.0 (t = 1.6)	☆GW6NGWJCS0C	2 000	31	50	105	94
		3 000	36.5	350	1 000	92

Mini ZENIGATA LEDs
(Natural toning type)

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■ Mega ZENIGATA LEDs (ZENIGATA is a registered trademark or a trademark of Sharp Corporation in Japan, the United States and/or other countries.)
<17W class>(T_j = 90°C)

Outline dimensions (mm)	Model No.	Color temperature (K) TYP.	Forward voltage (V) TYP.	Forward current (mA) TYP.	Total luminous flux (lm) TYP.	Average color rendering index Ra TYP.
24.0 × 20.0 (t = 1.45)	☆GW6DMB27BF6	2 700	34.5	500	2 200	83
	☆GW6DMB30BF6	3 000			2 350	
	☆GW6DMB35BF6	3 500			2 425	
	☆GW6DMB40BF6	4 000			2 500	
	☆GW6DGB27BF6	2 700			1 900	93
	☆GW6DGB30BF6	3 000			1 975	
	☆GW6DGB35BF6	3 500			2 050	
	☆GW6DGB40BF6	4 000			2 200	

<25W class>(T_j = 90°C)

Outline dimensions (mm)	Model No.	Color temperature (K) TYP.	Forward voltage (V) TYP.	Forward current (mA) TYP.	Total luminous flux (lm) TYP.	Average color rendering index Ra TYP.
24.0 × 20.0 (t = 1.45)	☆GW6DMC27BF6	2 700	34.5	700	2 950	83
	☆GW6DMC30BF6	3 000			3 150	
	☆GW6DMC35BF6	3 500			3 250	
	☆GW6DMC40BF6	4 000			3 350	
	☆GW6DGC27BF6	2 700			2 350	93
	☆GW6DGC30BF6	3 000			2 550	
	☆GW6DGC35BF6	3 500			2 750	
	☆GW6DGC40BF6	4 000			2 850	

<35W class>(T_j = 90°C)

Outline dimensions (mm)	Model No.	Color temperature (K) TYP.	Forward voltage (V) TYP.	Forward current (mA) TYP.	Total luminous flux (lm) TYP.	Average color rendering index Ra TYP.
24.0 × 20.0 (t = 1.45)	☆GW6DMD27BF6	2 700	34.5	950	4 050	83
	☆GW6DMD30BF6	3 000			4 200	
	☆GW6DMD35BF6	3 500			4 350	
	☆GW6DMD40BF6	4 000			4 500	
	☆GW6DGD27BF6	2 700			3 300	93
	☆GW6DGD30BF6	3 000			3 450	
	☆GW6DGD35BF6	3 500			3 600	
	☆GW6DGD40BF6	4 000			3 750	

<45W class>(T_j = 90°C)

Outline dimensions (mm)	Model No.	Color temperature (K) TYP.	Forward voltage (V) TYP.	Forward current (mA) TYP.	Total luminous flux (lm) TYP.	Average color rendering index Ra TYP.
24.0 × 20.0 (t = 1.45)	☆GW6DME27BF6	2 700	46.1	950	5 150	82
	☆GW6DME30BF6	3 000			5 550	
	☆GW6DME35BF6	3 500			5 750	
	☆GW6DME40BF6	4 000			5 950	
	☆GW6DGE27BF6	2 700			4 350	93
	☆GW6DGE30BF6	3 000			4 750	
	☆GW6DGE35BF6	3 500			4 950	
	☆GW6DGE40BF6	4 000			4 950	



Mega ZENIGATA LEDs

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<Natural toning type>

(T_j = 25°C)

Outline dimensions (mm)	Model No.	Color temperature (K) TYP.	Forward voltage (V) TYP.	Forward current (mA) TYP.	Total luminous flux (lm) TYP.	Average color rendering index Ra TYP.
24.0 × 20.0 (t = 1.6)	☆GW6TGBC50C	2 000	30.4	80	155	94
		3 000	35.8	950	2 860	92



Mega ZENIGATA LEDs
(Natural toning type)

■ TIGER ZENI LEDs

(T_j = 25°C)

Outline dimensions (mm)	Model No.	Color temperature (K) TYP.	Forward voltage (V) TYP.	Forward current (mA) TYP.	Total luminous flux (lm) TYP.	Average color rendering index Ra TYP.
24.0 × 20.0 (t = 1.8)	GW6TGCBG40C	2 700	37	700	1 840	96
		5 700	38		2 170	90



TIGER ZENI LEDs

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■ LEDs for Large-sized LCD Backlights (High Color Reproduction Models)

(T_c = 25°C)

Outline dimensions (mm)	Model No.	Color coordinates (x, y) TYP.	Forward voltage (V) TYP.	Forward current (mA) TYP.	Total luminous flux (lm) TYP.	Color reproduction
4.2 × 1.4 (t = 0.8)	GM5FV1ZP10A	0.295, 0.275	3.0	80	26	sRGB=120% (CIE1976)*1
3.7 × 3.5 (t = 0.8)	GM5F22BH20A	0.251, 0.210	6.51	160	86	
7.0 × 2.0 (t = 0.85)	GM5FQ0BH20A	0.266, 0.224	6.11	130	76.5	

*1 Evaluated using a general LCD panel. Values may differ depending on specific LCD panel characteristics.



GM5FV1ZP10A

GM5F22BH20A

GM5FQ0BH20A

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