



All dimensions are in mm



Maximum panel thickness: 10mm

Electrical and optical data are measured at an ambient temperature of  $T_A = 25^\circ\text{C}$ .

Storage temperature  $T_{STG}$  :  $-25^\circ\text{C} - +80^\circ\text{C}$   
Ambient temperature  $T_A$  :  $-20^\circ\text{C} - +60^\circ\text{C}$   
Voltage tolerance  $V_{OP}$  :  $\pm 10\%$

Part No.	Color	Voltage $V_{OP}$ [V] AC/DC	Current $I_{OP typ.}$ [mA] AC/DC	Lumi. Intensity LED $**I_{v typ.}$ [mcd]	Dominant Wavelength $\lambda_D$ [nm]
<b>Satin Chrome Bezel</b>					
WL-192A0250	red	12	9/17	1000	630
WL-192A0251	green	12	9/17	1400	525
WL-192A0252	yellow	12	9/17	1300	589
WL-192A0257	blue	12	9/17	800	465
WL-192A025W	white	12	9/17	2100	*
WL-192A0350	red	24	9/17	1000	630
WL-192A0351	green	24	9/17	1400	525
WL-192A0352	yellow	24	9/17	1300	589
WL-192A0357	blue	24	9/17	800	465
WL-192A035W	white	24	9/17	2100	*
WL-192A0450	red	28	9/17	1000	630
WL-192A0451	green	28	9/17	1400	525
WL-192A0452	yellow	28	9/17	1300	589
WL-192A0457	blue	28	9/17	800	465
WL-192A045W	white	28	9/17	2100	*
<b>Black Chrome Bezel</b>					
WL-192A1250	red	12	9/17	1000	630
WL-192A1251	green	12	9/17	1400	525
WL-192A1252	yellow	12	9/17	1300	589
WL-192A1257	blue	12	9/17	800	465
WL-192A125W	white	12	9/17	2100	*
WL-192A1350	red	24	9/17	1000	630
WL-192A1351	green	24	9/17	1400	525
WL-192A1352	yellow	24	9/17	1300	589
WL-192A1357	blue	24	9/17	800	465
WL-192A135W	white	24	9/17	2100	*
WL-192A1450	red	28	9/17	1000	630
WL-192A1451	green	28	9/17	1400	525
WL-192A1452	yellow	28	9/17	1300	589
WL-192A1457	blue	28	9/17	800	465
WL-192A145W	white	28	9/17	2100	*
<b>Matte Chrome Bezel</b>					
WL-192A2250	red	12	9/17	1000	630
WL-192A2251	green	12	9/17	1400	525
WL-192A2252	yellow	12	9/17	1300	589
WL-192A2257	blue	12	9/17	800	465
WL-192A225W	white	12	9/17	2100	*
WL-192A2350	red	24	9/17	1000	630
WL-192A2351	green	24	9/17	1400	525
WL-192A2352	yellow	24	9/17	1300	589
WL-192A2357	blue	24	9/17	800	465
WL-192A235W	white	24	9/17	2100	*
WL-192A2450	red	28	9/17	1000	630
WL-192A2451	green	28	9/17	1400	525
WL-192A2452	yellow	28	9/17	1300	589
WL-192A2457	blue	28	9/17	800	465
WL-192A245W	white	28	9/17	2100	*

\* Chromaticity coordinates  $X = 0.31$   $Y = 0.31$

\*\* Luminous intensity data of the used LEDs at:  $I_{OP typ. DC}$

1) These Wamco indicators are built with a protection diode in series with the resistor and the LED. They can be used on DC voltage and AC voltage. The typical light reduction on AC voltage operation against DC voltage operation is around 25%.

2) Degree of protection: IP67 in accordance to DIN EN 60529. Gap between LED and bezel and gap between bezel and front plate sealed to IP67 when using the supplied gasket.

3) Mounting hole  $14 \pm 0.2\text{mm}$

4) Connection is by solder tab terminals  $2.8 \times 0.8\text{mm}$ .

5) Due to production tolerances, color temperature variations may be detected within individual consignments.

Drawn	ND	04/24/07	<b>Panel Mount Indicators 14mm Sunlight Readable</b>	<b>Datasheet:</b> WL-192AXX5X	<b>Rev:</b> A
Checked	EB	04/24/07			
Approved	EB	04/25/07			