



Lighting LEDs

LG Innotek LED Lighting Packages are more efficient, reliable, long-lasting to a variety of lighting applications.

The excellent light quality and reliability make them a right solution for your LED Lighting.

Light your brand, **LG Innotek**

LG Innotek is a vertically integrated LED components supplier. We offer core technology from epitaxis, vertical chip, lead frame and chip on board packages, embedded and remote drivers, optics and integrated lighting modules.

To discover how LG Innotek can competitively supply critical high-performing components into your value stream, contact to our sales representative and authorized distributor at ledlighting.lginnotek.com or email to ledlighting@lginnotek.com

Here at LG Innotek, we strive to...light your brand.

Features

- * Consistent lumen output and efficiency within providing CRI
- * Guaranteed design flexibility with stable color
- * Minimized thermal management cost
- * Simplified manufacturing processes and optimized applications

Typical Applications

- * Interior and exterior illumination

Ordering Information

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The information in this sell sheet is preliminary. It may adjust before the final product is available.
Please contact your LG Innotek LED Lighting representative for the most updated information.

Nomenclature

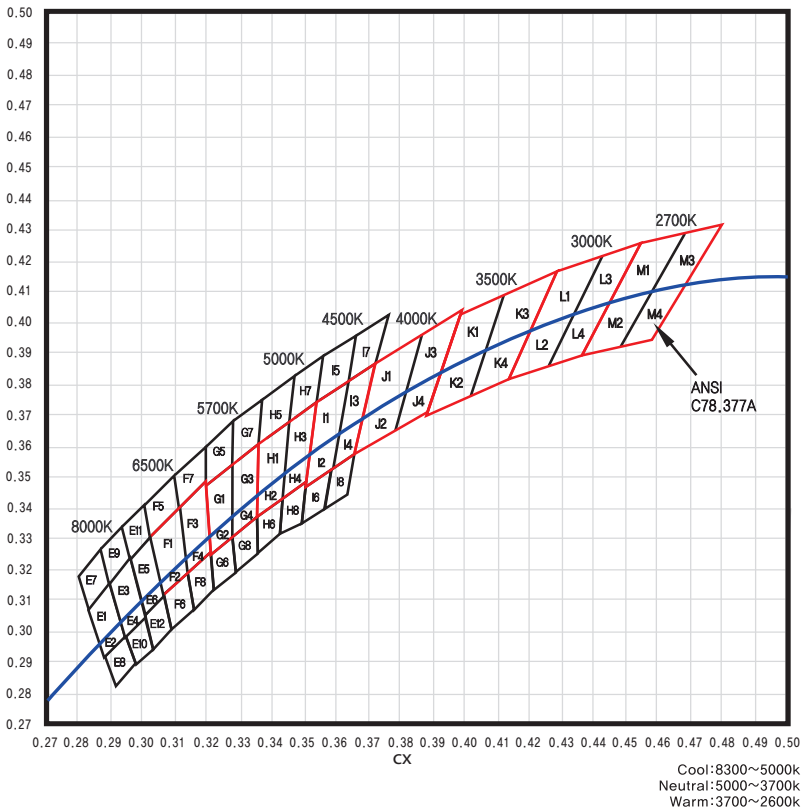
The product code designation is explained as follows

Product Code Example : LEMWS37:Q:70:H:Z00

Spec of Luminous Flux
Spec of CRI
Spec of CIE

Mark	Luminous Flux min	Mark	CRI min	CIE	CCT(K)
M	10	60	60	E	8020±980
N	12	65	65	F	6530±510
P	16	70	70	G	5665±355
Q	20	75	75	H	5028±283
R	24	80	80	I	4503±243
S	30	85	85	J	3985±275
T	40	90	90	K	3465±245
U	50			L	3045±175
V	60			M	2725±145
W	80				
X	100				

Color Bin Structure



Performance Data

Electrical and Optical Performance (Ta =25°C)

Product	Dimension (mm)	Forward Current (mA)	Average Luminous Flux (lm)	Forward Voltage (V)		CRI (Ra)	View Angle (°)
				min.	max.		
LEMCS56	5.4 X 5.0 X 1.6	20	R: 680mcd	1.9	2.5		120
		20	G:1400mcd	2.9	3.6		
		20	B:250mcd	2.9	3.6		
LEMWS56	5.4 X 5.0 X 1.6	60	17	2.9	3.4	75	120
			14	2.9	3.4	80	
LEWWS52	5.4 X 5.0 X 1.2	60	22	2.9	3.4	55	120
			19	2.9	3.4	75	
LEMWS52	5.4 X 5.0 X 1.2	60	16	2.9	3.4	80	120
LEMWS37	3.5 X 2.8 X 0.7	80	24	2.9	3.4	75	120
			20	2.9	3.4	80	
LEMWS59	5.6 X 3.0 X 0.9	150	48	2.9	3.4	75	124
			42	2.9	3.4	80	
LEMWH51	5.1 X 5.2 X 1.0	300	110	2.9	3.4	75	120
			90	2.9	3.4	80	
LEMWW35	3.5 X 3.5 X 1.9	350	105	3.0	3.5	70	115
			72	3.0	3.5	80	
LEMWW14	1.4 X 1.4 X 1.0	260	334	10.4	13	75	110
			270	10.4	13	80	

Outline Dimensions

*All dimensions are in millimeters

LEMCS56

Blue
Green
Red

Circuit

Front

Bottom

Side

Cathod Mark

LEMWS56

Circuit

Front

Bottom

Side

Cathod Mark

LEWWS52 LEMWS52

Cathode
Anode

Circuit

Front

Bottom

Side

Anode Mark

LEMWS37

Anode
Cathode

Circuit

Front

Bottom

Side

Anode Mark

LEMWS59

Anode
Cathode

Circuit

Front

Bottom

Side

LEMWH51

Anode
Cathode

Circuit

Front

Bottom

Side

LEMWW35

Anode
Cathode

Circuit

Front

Bottom

Side

Cathode Mark

LEMWW14

Dome#1
Dome#2
Dome#3
Dome#4

Circuit

Front

Side

**These values measured by Optical Spectrum Analyzer of LG Innotech Co., LTD and tolerances are following as below:
Luminous intensity(Iv), Luminous Flux (lm): ±10%, Forward Voltage(VF): ±0.1, CIE Value: ±0.01, CRI Value: ±3

**For complete product information, please refer to the data sheet.