

Kwality's UNIQUE Lens-less Solution for Street Lighting with onboard Driver IC. Kwality brings to you the latest innovation for Solid State STREET LIGHTING - in the form of PolyWa OVAL LEDs.

The PolyWa OVAL LEDs save over 15% losses of Light that occurs at the LED Lens interface in conventional Lambertian LEDs.

LEDMO consists of an array of 32LEDs or 24LEDs or 18LEDs or similar connected in 3-4 Strings. Each string of LEDs has a current controlling IC with negligible voltage drop (for preventing loss of power & loss of efficiency) in series and an on board regulator. Each string takes equal current from external power supply, thus all LEDs operate at same current irrespective of individual Vf differences.

Typical Size of LEDMO is - 165*110mm

OVAL LEDMO consists of OVAL LEDs in array form. OVAL LEDMO is highly suitable for Street Lights. Hotspots are avoided at center and extreme ends are beamed with higher Lux levels.

On-Board Constant Current ICs: You will notice that NONE of street lights and High bay lights have Constant current source for each LEDs. Present practice of using single power supply line with a current limit is unable to get uniform loading of LEDs. Such power supply system's results in failing of few LED prematurely by drawing more current into strings with lower Vf (lower operating forward voltage).


Customs Design LEDMO for every wattage & every application: Kwality Offers Streetlight LED modules custom designed for each vendor with individual Constant Current IC in each Series of LEDs. The turnaround time for such a module design will be less than 10 days.

DRIVER: A 32W 32LED LEDMO requires a 25V 1400mA driver (Supplied by us on special request.), which is CV with current limit, and easy to procure anywhere.


The PolyWa OVAL LEDMO from Kwality Photonics modules are short cuts to successful design of Street Lights.

KWALITY PolyWa - Product Catalogue and Specs S


LEDs starting from
₹ 4/-
per watt




LED Displays



5 KLSL505W 110Lm




6 KLHP3535W 130Lm



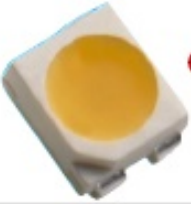
4 KLSL5630W 60/65 Lm

Fig.	Part Number	Wattage	If (mA) current	Forward Voltage	Lumens	Size (mm)
1 LM-80	KLSL3228W 8Lm	0.06W	20mA	3- 3.5V	7 & 8 Lm	3.5x2.8
2 LM-80	KLSL3014W 12Lm	0.1W	30mA	3- 3.5V	12 Lm	3.0x1.4
3 LM-80	2835W 24/26, 65Lm	0.2/0.5W	60/150mA	3- 3.3V	24/26Lm,65Lm	2.8x3.5
4 LM-80	KLSL5630W 60/65Lm	0.5 W	150mA	3- 3.3V	65 Lm	5.6x3.0
5	KLSL505W 110Lm	1W	350mA	3.6V	110 Lm	5.0x5.0
6 LM-80	KLHP3535W 130Lm	1W	300mA	3.6V	130 Lm	3.5x3.5
7	HP331/3433WE 1&3W	1W	350mA	3- 3.3V	100/130 Lm	Dia 8
7	KLHP3433WE 3W	3W	700mA	3.1- 3.5V	210/240 Lm	Dia 8
8 LM-80	KLSL3030W - 6V KLSL2835W - 6V	1 W	150mA	5.6- 6.8V	120 Lm	3.0x3.0 2.8x3.5
9	KLHF725W 8Lm	0.1W	20mA	3- 3.5V	8 Lm	7.62x7.62
10	KL5SH5W 8Lm	0.06W	20mA	3- 3.5V	8 Lm	4.8X5
11	KLHC3609W/3613W	6- 13W	300mA	34- 38V	1000-1100 Lm	Sq 13.5
12	KLHC3622W/3650W	10-20W	550mA	34- 38V	1900-2600Lm	Sq 19.5



2 KLSL3014W 12Lm

Fig.	Part Number	Wattage	If (mA) current	Forward Voltage	Lumens	Size (mm)
1	KLSL3228W 8Lm	0.06W	20mA	3- 3.5V	7 & 8 Lm	3.5x2.8
2	KLSL3014W 12Lm	0.1W	30mA	3- 3.5V	12 Lm	3.0x1.4
3	2835W 26Lm 65Lm	0.2/0.5W	60/150mA	3- 3.3V	24/26Lm,65Lm	2.8x3.5
4	KLSL5630W 60/65Lm	0.5 W	150mA	3- 3.3V	65 Lm	5.6x3.0
5	KLSL505W 110Lm	1W	350mA	3.6V	110 Lm	5.0x5.0
6	KLHP3535W 130Lm	1W	300mA	3.6V	130 Lm	3.5x3.5
7	HP331/3433WE 1&3W	1W	350mA	3- 3.3V	100/130 Lm	Dia 8
7	KLHP3433WE 3W	3W	700mA	3.1- 3.5V	210/240 Lm	Dia 8
8	KLSL3030W - 6V KLSL2835W - 6V	1 W	150mA	5.6- 6.8V	120 Lm	3.0x3.0 2.8x3.5
9	KLHF725W 8Lm	0.1W	20mA	3- 3.5V	8 Lm	7.62x7.62
10	KL5SH5W 8Lm	0.06W	20mA	3- 3.5V	8 Lm	4.8X5
11	KLHC3609W/3613W	6- 13W	300mA	34- 38V	1000-1100 Lm	Sq 13.5
12	KLHC3622W/3650W	10-20W	550mA	34- 38V	1900-2600Lm	Sq 19.5



1 KLSL3228W 8Lm

Fig.	Part Number	Wattage	If (mA) current	Forward Voltage	Lumens	Size (mm)
1	KLSL3228W 8Lm	0.06W	20mA	3- 3.5V	7 & 8 Lm	3.5x2.8
2	KLSL3014W 12Lm	0.1W	30mA	3- 3.5V	12 Lm	3.0x1.4
3	2835W 26Lm 65Lm	0.2/0.5W	60/150mA	3- 3.3V	24/26Lm,65Lm	2.8x3.5
4	KLSL5630W 60/65Lm	0.5 W	150mA	3- 3.3V	65 Lm	5.6x3.0
5	KLSL505W 110Lm	1W	350mA	3.6V	110 Lm	5.0x5.0
6	KLHP3535W 130Lm	1W	300mA	3.6V	130 Lm	3.5x3.5
7	HP331/3433WE 1&3W	1W	350mA	3- 3.3V	100/130 Lm	Dia 8
7	KLHP3433WE 3W	3W	700mA	3.1- 3.5V	210/240 Lm	Dia 8
8	KLSL3030W - 6V KLSL2835W - 6V	1 W	150mA	5.6- 6.8V	120 Lm	3.0x3.0 2.8x3.5
9	KLHF725W 8Lm	0.1W	20mA	3- 3.5V	8 Lm	7.62x7.62
10	KL5SH5W 8Lm	0.06W	20mA	3- 3.5V	8 Lm	4.8X5
11	KLHC3609W/3613W	6- 13W	300mA	34- 38V	1000-1100 Lm	Sq 13.5
12	KLHC3622W/3650W	10-20W	550mA	34- 38V	1900-2600Lm	Sq 19.5

● SL - Street Lights
 ● FL - Flood Lights
 ● TL - Tube Lights

● DL - Down Lights
 ● PL - Panel Lights
 ● HBL - High Bay Lights

KWALITY - India's premier LEDs & L

a product of **kwality** an ISO 9001 - 2008 company