

Projection and Near to Eye (NTE)



Applications

- **Projection**
 - Pico
 - Ultra Portable
 - Pocket
 - Home Cinema
 - Office
 - Control Room
 - etc.
- **Near to Eye (NTE)**
 - Virtual Reality
 - Augmented Reality



Projector Segments

Pico (Embedded) (15 – 80lm)	Ultra Portable (100 – 200lm)	Pocket (500 – 700lm)
Home Cinema (700-1000lm)	Office (1000-1500lm)	Control Room (700-1000lm)

Near-to-Eye Segments

Virtual Reality (VR) -



- “Virtual” means artificial and almost, but not quite. VR typically immerses you in a digital world with simulated people, objects, and surroundings—and a rift between you and your environment.



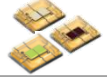
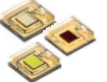

Augmented Reality (AR) -



- “Augment” AR adds a powerful layer of interactive 3D content to your surroundings. Using see-through glasses, you stay visually connected to people and your environment.

Projection / NTE - LED Portfolio

[Click here to link to main website Product Catalog](#)

Part	Colors Available	Wavelength / Coordinates	Intensity Range (@ bin current)	Current - mA Bin / Max	Viewing Angle	Size - mm (L x W x H)	Product Selector Guide by Application ✓ - recommendation				
							Embedded (camera, smartphones, tablets)	Compact (home cinema, notebook accessory, control room, gaming, head-up display)	Business (office, education, professional)	Near to Eye (virtual reality, augmented reality)	
OSRAM OSTAR® Projection Cube											
	LCG H9RM	CG	0.32, 0.64	112 - 180 lm	350 / 500	120°	3.75 x 3.75 x 0.5				✓
	LCG H9RN	CG	0.32, 0.64	210 - 390 lm	700 / 1000	120°	3.75 x 3.75 x 0.5				✓
OSRAM OSTAR® Projection Compact											
	KW CSLNM1.TG	W	0.32, 0.33	250 - 400 lm	1000 / 3000	120°	3.0 x 3.0 x 0.75	✓	✓		
	KW CSLPM1.TG	W	0.32, 0.33	355 - 560 lm	1400 / 5000						
	KP CSLNM1.F1	P	0.32, 0.64	280 - 500lm	1000 / 3000						
	KP CSLPM1.F1	P	0.32, 0.64	450 - 710 lm	1000 / 3000						
	KB CSLNM1.14	B	455 nm	900 - 1590 mW	1400 / 5000						
	KR CSLNM1.23	R	617 nm	100 - 180 lm	1000 / 3000						
	LE x Q7WP	B	460 nm	2800 - 4500 mW	1400 / 5000	120° 130° (CG)	4.68 x 5.75 x 1.24	✓	✓		
		A	617 nm	280 - 520 lm							
		CG	0.32, 0.64	900 - 1400 lm							
	LE x Q8WP	B / T / A / R / CG / UW	459 / 530 /	1400-2240 mW / 224-450 /	1400 / 5000 1400 / 3500 (A)	120° 130° (CG & UW)	3.65 x 3.9 x 1.22	✓	✓		
			617 / 625 nm /	130-210 / 90-224 /							
			0.32, 0.64 /	450-710 /							
OSRAM OSTAR® Projection Power											
	LE x P1W	B	459 nm	8200 - 15000 mW /	12000 / 16000	120°	27 x 15.5 x 2.1		✓	✓	
		A	617 nm	1120 - 1800 lm	12000 / 12000						
	LE CG P1A	CG	0.32, 0.64	3150 - 5000 lm	12000 / 16000	120°	27 x 15.5 x 1.8		✓	✓	
	A	617 nm	2100 - 3300 lm	24000 / 24000							
	LE CG P2A	CG	0.32, 0.64	5600 - 10000 lm	24000 / 32000	120°	27 x 15.5 x 1.8		✓	✓	
LE x P3W 01											
	A	617 nm	2800 - 5200 lm	36000 / 36000							
LE CG P3A 01	CG	0.32, 0.64	8000 - 14000 lm	36000 / 48000	120°	27 x 15.5 x 1.8		✓	✓		

x = colors available

Color Legend: A=Amber, B=Blue, CG=Converted Green, P=Pure Green, R=Red, T=True Green, UW=Ultra White, W=White

Light is OSRAM

Status 07-2017 - OSRAM Opto Semiconductors - Suggested Parts - Check website for all product offerings & datasheets
Images not to scale - Subject to change without notice - Errors and omission excepted
OSRAM
Opto Semiconductors