ELDORADO
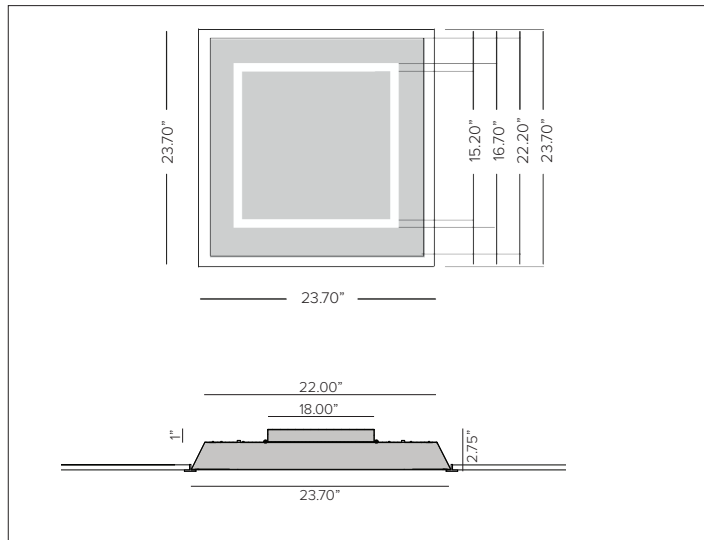
The 'Designer' 2"x2" Ceiling Luminaire

ELDORADO PC version shown with UGR perimeter lens and opal inside lens.

IP40 · RoHS COMPLIANT · cULus

CONCEPT

Designed with a multi-functional approach. Equipped with state-of-the-art LED sources and a prismatic opal or UGR diffuser that can effectively light environments, minimizing the level of glare. Two versions available: a purposeful perimeter illumination with specific outputs and CCT configurations providing general illumination within the space OR a Twin configuration with perimeter and center illuminations. Combinations can be created for general illumination with a customizable decorative center panel capable of integrating the product with extra functions to meet the needs of workers or add a unique decorative element to the space.

SOURCE

Perimeter Task illumination is Linear LED boards with High Luminance

Optic	Low glare UGR<19 diffuser with photo-engraved interior and smooth outer surface or Opal White soft diffusion. Decorative Center Panels back lit with LED Strip PCB with polycarbonate opal or screen printed decorative panels
Color Temperature	2700K / 3000K / 3500K / 4000K Tunable White 1800K–3000K / RGBW
Efficacy	120Lm/W max. Refer to photometric graphs for specific values.
Lifetime	L70 50,000hrs

ELECTRICAL CHARACTERISTICS

Power Supply	Single or Dual integral 0-10V and/or phase dimmable drivers. Emergency Backup for Perimeter circuit only.
Wattage	Perimeter LED module 20W - 40W. Center Panel with back lit LED 36W strips or edge lit RGBW strips 20W.
Voltage	120V-277V AC 50/60Hz

MECHANICAL CHARACTERISTICS

Housing	23.70" X 23.70" X 2.75"D
Materials	Hot galvanized steel fixture body frame and Integral Driver enclosure painted in white Polyester. Single piece polycarbonate Perimeter Lens and Center Diffusion Panels.
Finish	⚪ White / ⚫ Black
IK Rating	IK10
IP Rating	IP40
Weight	19.0Lbs
Sensor Options	External Occupancy and Photocell Options Available

MOUNTING

Available mounting accessories for Drop in ceiling grid, recessed ceiling, suspended and surface mount with side cover shroud.

INSTALLATION

Fixture to be installed according to local building codes by a certified electrician. Standard fixture includes stainless steel tether cables.

WARRANTY

5 year limited warranty

CERTIFICATIONS

cULus Class 1

Version	Delivered Lumens	STATIC WHITE		Max Ambient Temp
		Wattage	Efficiency	
PO w/ Opal	4,626Lm	44W	105Lm/W	25ºC
PO w/ UGR	4,360Lm	44W	99Lm/W	25ºC
PC w/ Opal Only	2,662Lm	36W	74Lm/W	25ºC

Performance results are referred to ambient temperature of 77°F/25ºC. CCT=4000 K CRI=80 and tested in accordance with IESNA LM-79. Calculation for LED fixtures are according to IES LM-80 test procedure.

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SPECIFICATION INFORMATION

EL									
1	2	3	4	5	6	7	8	9	10

Ex: ELPOWPL240U/ELPCWAL130OX272

TWIN OPTION ONLY (covers columns 8, 9, 10)

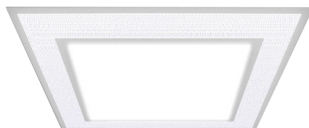|			PERIMETER ILLUMINATION				CENTER PANEL & ILLUMINATION		
1 - PRODUCT CODE	**2 - OPTIC**	**3 - FRAME**	**4 - DIMMING**	**5 - WATTAGE**	**6 - KELVIN**	**7 - LENS**	**8 - DIMMING**	**9 - KELVIN**	**10 - LENS**
EL — ELDORADO	**PO** — Perimeter Only	**W** — White **B** — Black **RAL** — Custom	**A** — 0-10V **P** — Phase **D** — Dali	**L1** — 24W **L2** — 31W **L3** — 44W **L4** — 56W	**27** — 2700K **30** — 3000K **35** — 3500K **40** — 4000K **27** — 2700K **30** — 3000K **35** — 3500K **40** — 4000K	**O** — Opal **U** — UGR			
	PC — Perimeter and Center Twin	**W** — White **B** — Black **RAL** — Custom	**A** — 0-10V **P** — Phase **D** — Dali	**L1** — 24W **L2** — 31W **L3** — 44W **L4** — 56W		**O** — Opal **U** — UGR	**A** — 0-10V **P** — Phase **D** — Dali **X** — DMX	**27** — 2700K **30** — 3000K **35** — 3500K **40** — 4000K **4C** — RGBW **TW** — Tunable White	**O** — Opal **U** — UGR **C1** — Custom B/W **C2** — Custom 4 Color

A Available for 50" and 61.92" fixture lengths only.
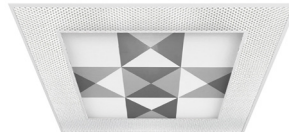
OPTIC VERSIONS

PO – Perimeter Only
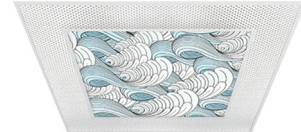*(Shown with UGR* perimeter lens)*

PC - Perimeter and Center Twin
(Shown with UGR* perimeter lens and opal center lens)

PC - Perimeter and Center Twin
(Shown with UGR* perimeter lens and C1 center – Custom black and white print)

PC – Perimeter and Center Twin
(Shown with UGR perimeter lens and C2 center – Custom 4-color print)
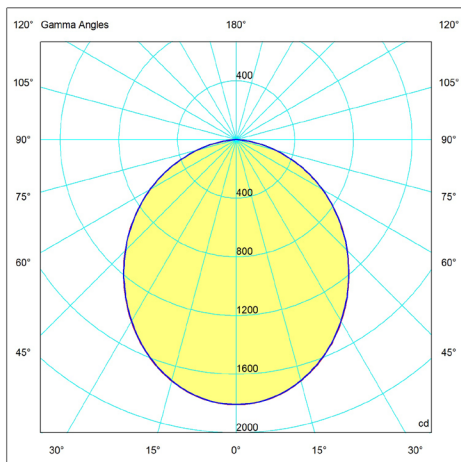

A purposeful perimeter illumination with specific outputs and CCT configurations providing general illumination within the space.

Twin configuration with perimeter and center illuminations. Combinations can be created for general illumination with a customizable decorative center panel capable of integrating the product with extra functions to meet the needs of workers or add a unique decorative element to the space.
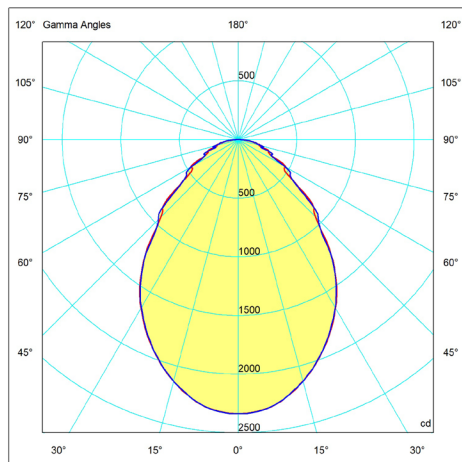
*UGR version is focused entirely on visual comfort. This sophisticated prismatic lens design reduces shadows and reflections that can cause disturbances on work surfaces as well as minimizing luminaire lens glare. This allows for a uniform light distribution on task surfaces, increasing visual comfort of workers performing specific tasks.
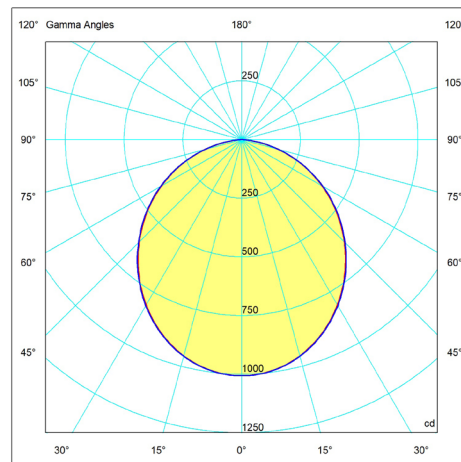
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PHOTOMETRY

PERIMETER OPAL
Maximum UGR 23.2

PERIMETER UGR
Maximum UGR 21.5

TWIN OPAL
Maximum UGR 24

CCT Conversion Factor

CCT	Conversion Factor	Rf (TM30)	Rg (TM30)
3000 K	0.950	84	95
3500 K	0.970	84	96
4000 K	1.000	84	95
5000 K	0.995	84	97