



Flat Panel GII UHE



Flat Panel Ultra-High Efficiency (UHE) Edge-lit LED Panels.

Product Highlights

- Edge-lit Ultra-Slim LED panel with Ultra High Efficiency.
- Ideal for Hotels, Conference rooms, Schools, Universities, Hospitals, Offices and Administrative Buildings.
- Easy mounting, maintenance free.

- A++ Energy Efficiency class with efficiency of 125lm/W.
- Multiple sizes and luminous power combinations.
- Instant start without flicker or humming.
- No UV Light emission.
- Available in Cool, Neutral & Warm White Color Temperatures.

Main Technical Data

Luminous Flux Table

Panel Size & Wattage	Luminous flux (lm)		
	Cool White	Neutral White	Warm White
296x296 18W	2,250	2,250	2,140
296x596 20W	2,500	2,500	2,380
596x596 36W	4,500	4,500	4,280
600x600 36W	4,500	4,500	4,280
622x622 36W	4,500	4,500	4,280
625x625 36W	4,500	4,500	4,280
596x596 40W	5,000	5,000	4,750
600x600 40W	5,000	5,000	4,750
622x622 40W	5,000	5,000	4,750
625x625 40W	5,000	5,000	4,750
1192x592 70W	8,750	8,750	8,310
1200x300 36W	4,500	4,500	4,280
1200x600 36W	4,500	4,500	4,280
1200x600 70W	8,750	8,750	8,310
1250x185 40W	5,000	5,000	4,750
1250x312 40W	5,000	5,000	4,750
1492x292 70W	8,750	8,750	8,310
1492x592 80W	10,000	10,000	9,500
1550x185 40W	5,000	5,000	4,750
1550x312 70W	8,750	8,750	8,310

Model Name	Flat Panel UHE Series
Operating Voltage	194 - 264V AC, 50/60Hz
Energy Class	A++
IEC Protection Class	CLASS II
Light Source	OCTALED 2853PLCC -28C
Overall consumption	15 to 85W ^{*1}
Operating temperature	- 10°C to +40°C (Relative Humidity < 60%)
0-10V Dimming	Optional Add-on. [DIM Suffix to order code]
DALI Dimming	Optional Add-on. [DALI Suffix to order code]
3 hr Emergency Battery	Optional Add-on. [3HR Suffix to order code]
Color Rendering Index	Ra > 80
Power Factor	> 0.95
UGR	< 22 ^{*2}
Flicker	< 5%
Dimensions	Multiple Width and Length combinations, Refer to Table #1 ^{**} Custom sizes available upon request.
Height	13mm
Standard Compliance	EN 60598, EN 55015, EN 61547, EN 61000, etc.
Color temperature CCT	Cool White 5000-5700K - Neutral White 4000-4500K - Warm white 3000-3500K
Body	Thin Flat panel, RAL 9003 White powder coated aluminum frame
Diffuser	Custom optical substrate
Type of Mounting	Recessed ^{*3} ^{*4} ^{*5}
Useful Lifetime	L70 > 50,000h
Ingress Protection	IP21 ^{*6}
Warranty	According to standard Octa Light warranty conditions

1. Please refer to Table #1 for more information.
2. UGR ≤ 19 Available with U19 suffix to order code.
3. Can be ordered with Surface mount frame by adding SFC suffix to order code.
4. Suspension mounting kit P/N: KSPLN-01-00-00 available separately.
5. Gypsum board mounting kit P/N: OTHX0000000235 available separately.
6. IP54 Optionally available with P54 suffix to order code.

Octa Light maintains accuracy on all measurements within ±7%

PLN	UHE	LLLL	WWWW	PPP	8CC	OPT
Product Code	UHE Series	Length mm See Table 1	Width mm See Table 1	Wattage See Table 1	CRI & CCT See Table 1	Add-ons See Table 1

1 - Available Sizes, Wattage & Color Temps

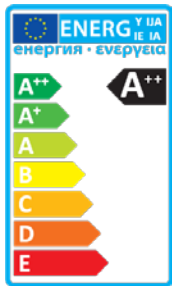
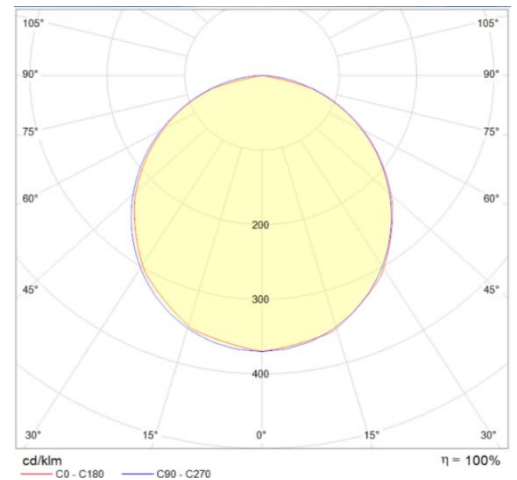
Product Code	Series Code	Length mm <i>LLLL</i>	Width mm <i>WWWW</i>	Consumption Watts <i>PPP</i>	CRI	CCT <i>CC</i>	Option Codes <i>OPT</i>
PLN : Flat Panel	UHE : Ultra-High Efficiency Series	0296	0296	018	8: Ra ≥ 80	57 : 5700K 40 : 4000K 30 : 3000K	DIM : 0-10V Dimming DAL : DALI Dimming. 3HR : 3 Hour Emergency Battery SFC : Surface Mount model. U19 : UGR ≤ 19 Model. P54 : IP54 Rating.
		0296	0596	020			
		0596	0596	036			
		0600	0600	036			
		0622	0622	036			
		0625	0625	036			
		1192	0592	070			
		0596	0596	040			
		0600	0600	040			
		0622	0622	040			
		0625	0625	040			
		1200	0300	036			
		1200	0600	036			
		1200	0600	070			
		1250	0185	040			
		1250	0312.5	040			
1492	0292	070					
1492	0592	080					
1550	0185	040					
1550	0312.5	070					

Examples of specific product selection:

Coding: PLNUHE02960296018857
 Type: Flat Panel Ultra-high Efficiency Series, 296x296mm, 18W, Ra ≥ 80, 5700 Color Temperature

Coding: PLNUHE02960596020845 U19 3HR
 Type: Flat Panel Ultra-high Efficiency Series, 296x596mm, 20W, Ra ≥ 80, 4500 Color Temperature with UGR ≤ 19 and 3 Hour Battery.

2 - Light Distribution Curve



3 - Surface Mounting Kit Mechanical Dimensions

Luminaire type	Mechanical dimensions			Mounting type
	L(mm)	W(mm)	H(mm)	
PLNUHE06000600XXX8XX SFC	604	603	47	Surface

Disclaimer

Octa Light Bulgaria reserves the right to make changes in specifications without notice. Always make sure to use most recent release.

Company Information

Octa Light Bulgaria is a fully vertically integrated manufacturer of LED packages, modules, lamps and luminaires. The company was established in 2010 as the first Light Emitting Diodes (LED) manufacturer entirely based in the EU. The company LED portfolio includes powerful high-brightness light emitting diodes, last generation of low-power & mid-power LEDs, wide range of COBs and innovative AC LED modules, as well as special applications LEDs. We constantly are growing our LEDs range to bring highest performance and quality of light sources. Our business scope includes OEM and ODM supply of LED packages, LED engines, luminaires and lamps.

Octa Light Bulgaria offers also complete lighting solutions accomplishing a variety of lighting projects with own range of luminaires. Further to its core lighting business the company offers Contract Electronics Manufacturing (CEM) for key industries.

