

TANGRA UHE



Product Highlights

- Suitable replacement of Mercury-Vapor, Sodium and Metal Halide lamps.
- Ideal for warehouses, factories, sport centers and limited access zones.
- LM-80 Certified Octa Light Multi-channel LED Chip-On-Board.
- 60°, 90°, 120° symmetrical light distribution options.

TANGRA Ultra-High Efficiency High-bay LED Luminaires.

- Innovative COB UHE solution with efficiency of 160lm/W.
- TRIAC and Sine-wave dimmable.
- Optional Intelligent Lighting Control (Intellilamp) Integration.
- No UV Light emission.
- Available in Cool, Neutral & Warm White Color Temperatures.

Luminous Flux Table

Product Type	Luminous flux (lm)		
	Cool White	Neutral White	Warm White
TANGRA 1 UHE 30W	4,800	4,800	4,500
TANGRA 1 UHE 60W	9,600	9,600	9,000
TANGRA 1 UHE 80W	12,800	12,800	12,000
TANGRA 2 UHE 120W	19,200	19,200	18,000
TANGRA 2 UHE 160W	25,600	25,600	24,000

Main Technical Data

Models	TANGRA 1 UHE 30	TANGRA 1 UHE 60	TANGRA 1 UHE 80	TANGRA 2 UHE 120	TANGRA 2 UHE 160
Operating Voltage	198-264V AC, 45-65Hz				
Energy Class	A++				
Light Source	OCTALED C8C	OCTALED C8G/C9A	OCTALED C8G/C9A	OCTALED C8G/C9A	OCTALED C8G/C9A
Overall consumption	30W	60W	80W	120W	160W
Operating temperature	- 30°C to +50°C				
Relative humidity	< 95 %				
Intelli-lamp Add-on	Optional Add-on [INT Suffix to order code]				
DALI Dimming	Not Available.			Optional Add-on	
3 hr Emergency Battery	Optional Add-on. [3HR Suffix to order code]				
Color Rendering Index	Ra > 70 ^{*1}				
Flicker	<5%				
Power Factor	> 0.95				
Standard Compliance	EN 60598, EN 60529, EN 61000, EN 61547, EN 55015, etc.				
Color temperature CCT	Cool White 5700K - Neutral White 5000K-4500K - Warm white 3000K				
Body	Anodized Aluminum.*2			Powder Coated Aluminum	
Diffuser	UV stabilized, Borosilicate Tempered Glass..				
Type of Mounting	Hook Attachment or Swivel bracket.				
Useful Lifetime	L70 > 50,000h				
Protection Class	IP66 (IK10 Impact Resistant)				
Warranty	According to standard Octa Light warranty conditions				

1. CRI Ra > 80 Available upon Request.
2. RAL colors available upon request for TANGRA 1 series.
Octa Light maintains accuracy on all measurements within ±7%

Product Selection Guide

TRA	Y	UHE	WWW	F	7CC	OPT
Series Name	Size Code See Table 1	Ultra-high efficiency	Wattage See Table 1	Optic Code See Table 1	CRI & CCT See Table 1	Add-ons See Table 1

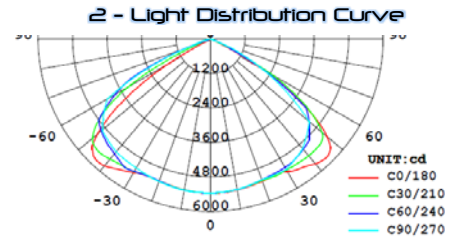
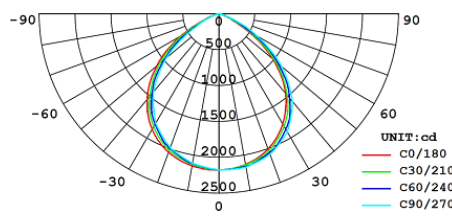
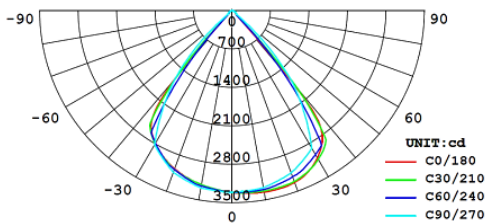
1 – Available Sizes, Wattage & Color Temps

Series Code	Size Code	Efficiency Code	Rated Power	Optical Code	CRI	CCT	Option Codes
TRA	Y	UHE	WWW	F	7	CC	OPT
TRA : TANGRA	1 TANGRA 1	UHE : Ultra-High Efficiency 160lm/W	030	A: 60° B: 90° C: 120°	7: Ra > 70	57 : 5700K 40 : 4000K 30 : 3000K	INT : Intelli-lamp Integration. 3HR : 3 Hour Emergency Battery
			060				
	080						
	120						
	2 TANGRA 2	160					

Examples of specific product selection:

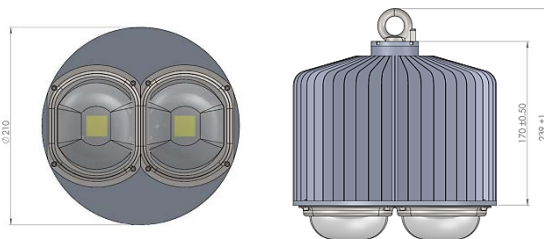
Coding: TRA2UHE120A757
Type: TANGRA 2 Ultra-High Efficiency 120W, CRI: Ra>70, 5700K Color Temperature, 60° Beam Angle.

Coding: TRA2UHE160B745
Type: TANGRA 2 Ultra-High Efficiency 160W, CRI: Ra>70, 4500K Color Temperature, 90° Beam Angle, 3 Hour Backup Battery.

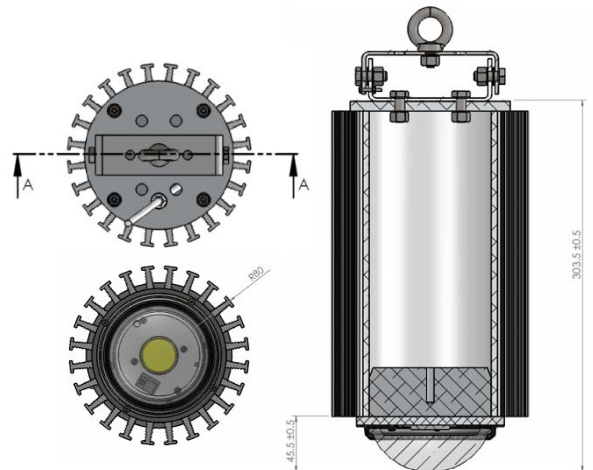


3 – Mechanical Dimensions and Illustrations

Product Code	Mechanical Dimensions		
	Diameter	Height	Gross Weight
TANGRA 1	Ø160mm	303mm	6.6 kg
TANGRA 2	Ø210mm	239mm	2.4 kg



TANGRA 2 (120-160W)



TANGRA 1 (30-80W)

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 fully vertically integrated manufacturer of LED packages, LED modules, LED lamps and LED luminaires. The company was established in 2010 as the first Light Emitting Diodes (LED) manufacturer with production based entirely 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.

