

TANGRA 2RP UHE



Product Highlights

- Suitable replacement of Mercury-Vapor, Sodium and Metal Halide lamps.
- Ideal for warehouses, factories, logistic centers and sport centers.
Excellent for harsh industrial environment with continuous operations.
- LM-80 Certified Octa Light Multi-channel LED Chip-On-Board.
- 90° symmetrical light distribution.

TANGRA 2RP Ultra-High Efficiency High-bay LED Luminaires

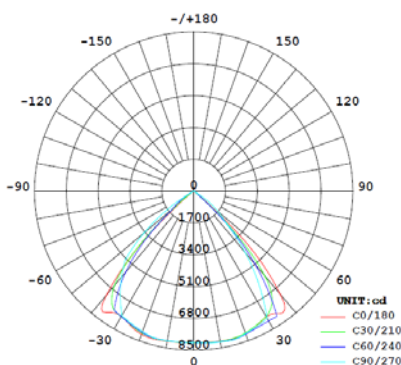
- Efficiency up to 160lm/W.
- Optional Integration of Industry Standard Dimming Protocols.
- Optional Intelligent Lighting Control (DALI, ZigBee or Light Link) Integration.
- No Upward or UV Light Emission.
- Available in Cool, Neutral & Warm White Color Temperatures.

Main Technical Data

Luminous Flux Table

Product Type	Luminous flux (lm)		
	Cool White	Neutral White	Warm White
TANGRA 2RP UHE 50W	8,000	8,000	7,600
TANGRA 2RP UHE 80W	12,800	12,800	12,160
TANGRA 2RP UHE 100W	16,000	16,000	15,200
TANGRA 2RP UHE 120W	19,200	19,200	18,240

Light Distribution Curve



Models	TANGRA 2RP UHE 50W	TANGRA 2RP UHE 80W	TANGRA 2RP UHE 100W	TANGRA 2RP UHE 120W
Operating Voltage	198-264V AC, 45-65Hz			
Energy Class	A++			
Light Source	OCTALED C8G/C9A			
Rated Consumption (230V AC)	50W	80W	100W	120W
Input Current (230V AC)	229mA	366mA	458mA	549mA
Operating Temperature	- 30°C to +50°C			
Relative Humidity	< 95 %			
Intelli-lamp Add-on	Optional Add-on [INT Suffix to order code]			
DALI Dimming	Optional Add-on [DAL Suffix to order code]			
PIR Sensor	Optional Add-on. [PIR Suffix to order code]			
Microwave Sensor	Optional Add-on. [MWS Suffix to order code]			
Color Rendering Index	Ra > 70 [Ra > 80 Optional]			
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 Extrusion with Integral Heat Sink.			
Diffuser	Tempered Borosilicate Lens.			
Type of Mounting	Hook Attachment or Swivel bracket.			
Useful Lifetime	L70 > 50,000h			
Protection Class	IP65 (IK8 Impact Resistant)			
Warranty	According to standard Octa Light warranty conditions			

Octa Light maintains accuracy on all measurements within ±7%

TRA2RP	UHE	WWW	8CC	OPT
Series Name	Ultra-high efficiency	Wattage See Table 1	CRI & CCT See Table 1	Add-ons See Table 1

1 – Available Sizes, Wattage & Color Temps

Series Code	Optical Efficiency Code	Rated Power WWW	CRI 7	CCT CC	Option Codes OPT
TRA2RP : TANGRA	UHE : Ultra-High Efficiency 160lm/W	050 : 50W 080 : 80W 100 : 100W 120 : 120W	7: Ra > 70 8: Ra > 80	57 : 5700K 40 : 4000K 30 : 3000K	INT : Intelli-lamp Integration. DAL : DALI Dimming PIR : PIR Sensor MWS : Microwave Sensor

Examples of specific product selection:

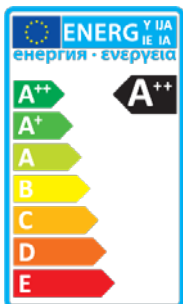
Coding: TRA2RPUHE050740
Type: Tangra 2RP, Ultra-high Efficiency Series, 50W, Ra ≥ 70, 4000 Color Temperature

Coding: TRA2RPUHE120840 DAL
Type: Tangra 2RP, Ultra-high Efficiency Series, 120W, Ra ≥ 80, 4000 Color Temperature, DALI Dimming

2 – Mechanical Dimensions



Product Code	Mechanical Dimensions		Gross Weight
	Diameter (B)	Height (A)	
TANGRA 2RP	Ø500mm	400mm 430mm (with hook)	6.2 kg



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.

