

Price List for Software Package LIRA 10.16

Prices are given in UAH without VAT

LIRA 10.16	Configuration				Cost of modules
	MINI ⁵ (5000 nodes or elem.)	BASE	PROFF	FULL	
<p>Basic configuration:</p> <ul style="list-style-type: none"> - graphical user interface; - linear static analysis; - dynamic analysis based on eigenfrequencies expansion method (accelerogram, seismic analysis according to regulatory documents (38 modules)¹, harmonic, impulse, impact, wind pulsation, blast waves impact); - calculation of design combinations of forces (DCF); - calculation of design combinations of loads (DCL); - calculation of loads on fragment of the structure (FRAGMENT); - checking the strength of cross-sections (LITERA); - cross-section constructor (CSC); - condensation of masses (mass redistribution into defined nodes of the design model); - floor nodal reaction spectrums; - editable database of rolled steel; - editable database of materials (concrete, reinforcement, rolled steel, timber); - documentation system; - application programming interface(LiraAPI); - Revit Structure→LIRA 10 →Revit Structure; - AutoCad→LIRA 10 →AutoCad; - Tekla Structure→LIRA 10 →Tekla Structure; -Advance Steel →LIRA 10 →Advance Steel; -Renga →LIRA 10. <p>Application Utilities:</p> <ul style="list-style-type: none"> - seismogram based on accelerogram; - accelerogram based on seismogram; - accelerogram according to spectrum; - unit converter; - scientific calculator; - data interpolation; - calculation of pile stiffness; - calculation of coefficients of subgrade reaction; - glaze ice web thickness; - local calculation of reinforced concrete bar; - local calculation of reinforced concrete plate; - column effective length; - calculation of steel deck; - local calculation of steel bar; - punching. 	✓	✓	✓	✓	60 000 ⁴
<p>Stability:</p> <ul style="list-style-type: none"> - calculation of safety factors and buckling modes of the structure. 	✓	✓	✓	✓	7 500
<p>Design system of reinforced concrete structures (RCS):</p> <ul style="list-style-type: none"> - checking and proportioning of reinforcement for RC elements; - checking and proportioning of reinforcement for pipe-concrete elements; - surface of bearing capacity; 	✓	✓	✓	✓	18 000

- punching of reinforced concrete slabs.					
Design system for steel structures (SS): - checking and proportioning of steel element cross-sections; - calculation logging; - checking of timber element cross-sections.	✓	✓	✓	✓	13 500
Timber	✓	✓	✓	✓	6 000
Soil: - determination of natural foundation stiffness; - determination of pile foundation stiffness.		✓	✓	✓	24 000
Physical and structural nonlinearity			✓	✓	18 000
Geometrical nonlinearity			✓	✓	18 000
Assemblage: - linear; - nonlinear (elements of physical, structural and geometric nonlinearity); - direct dynamic analysis ² of the assembled structure.			✓	✓	15 000
Variation of models: - unification of DCF problem package; - formation of DCF and DCL based on downloads of problem package.			✓	✓	9 000
Direct dynamic analysis (Dynamics+) For the action of accelerograms, seismograms and other dynamic loads in: - linear problems; - physically and structurally nonlinear problems; - geometrically nonlinear problems.				✓	15 000
Bridge: - influence surfaces; - rolling by the axes of the wheels; - calculation of multistage schemes.				✓	12 000
Pushover Analysis (nonlinear quasi-static analysis of dynamic problems)³: - based on single-component accelerogram; - DBN V.1.1-12:2014; - STO NIU MGSU 2015; - EN 1998-1:2004.				✓	12 000
Thermal conductivity: - stationary and non-stationary ² thermal conductivity problems (calculation of temperature distribution across a structure); - considering of the obtained temperature field in the stress-strain state of a structure.				✓	12 000
Cross-section calculation: - determination of elastic-and-geometric, plastic, torsion, shear, mass-inertial and stiffness properties.				✓	12 000
Filtration³: - modeling of filtration in water-saturated soil with calculation of fluid pressure velocity distribution; - construction of depression curve;				✓	6 000

- construction of the resulting pore pressure in stress-strain state.					
	45 000⁵	129 000	189 000	258 000	

¹Implemented standards: EN 1990, EN 1992-1-1, EN 1993-1-1, EN 1995-1-1, EN 1998-1, AISC 360-16-2019, ASCE/SEI 7-22, DBN V.1.2-2:2006, DSTU B V.2.6-156-2010, DBN V.2.6-198:2014, SNiP 2.01.07-85*, SNiP 2.03.01-84*, SNiP II-23-81*, KMK 2.01.03-96, TGN 2.01.08-2020, AzDTN 2.3-1-2010, SI 413 and others.

²Upon the availability of Dynamics+ module

³Upon the availability of Physical nonlinearity module

⁴Upon purchase of separate systems, the highlighted item is mandatory

⁵Additional modules are not added to the **MINI** configuration

Table 2. Cost when purchasing several licenses

Number of simultaneously purchased licenses	MINI	BASE	PROFF	FULL
2 licenses (20% discount off the cost)	36 000	103 200	151 200	206 400
3 licenses (30% discount off the cost)	31 500	90 300	132 300	180 600
4 licenses and more	By agreement			

Table 3. Cost of upgrading from previous versions

Version / Configuration	MINI	BASE	PROFF	FULL	% from the cost of the corresponding configuration
LIRA 10.14	4 500	12 900	18 900	25 800	10%
LIRA 10.10 - 10.12	9 000	25 800	37 800	51 600	20%
LIRA 10.x - 10.8	18 000	51 600	75 600	103 200	40%

Table 4. Special offers

Configuration name	BASE	PROFF	FULL
Unlimited license	129 000	189 000	258 000
Annual license	45 150	66 150	90 300
30-day license	10 750	15 750	21 500
LIRA 10.16 FULL for IHE	Cooperation agreement		