License cost for software package LIRA 10.14 modules

Prices are given in Euros

LIRA 10.14	Configuration				Cost of modules
	MINI[5] (5000 nodes or elem.)	BASE	PROFF	FULL	
Basic configuration: - graphical user interface; - linear static analysis; - dynamic analysis by eigenfrequencies expansion method(accelerogram, seismic by normative documents (38 modules)[1], harmonic, impulse, impact, wind pulsation); - calculation of design combinations of forces (DCF); - calculation of design combinations of loads (DCL); - calculation of loads on fragment of the structure (FRAGMENT); - strength of cross section test (LITERA); - cross section designer (CSD); - condensation of masses (mass redistribution into defined nodes of the design model); - floor nodal reaction spectrums; - editable rolled steel database; - editable materials database (concrete, reinforcement, rolled steel, wood); - 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; - integration with graphic and calculation systems based on formats: *.msh; *.stl; *.obj; *.mesh; *.off; *.poly; *.dxf; *.igs; *.3ds; *.neu; *.byu; *.ifc; *.vol; *.sli, *.sdnf; -integration with documentation systems based on formats: *.docx; *.xlsx; *.csv; *.pptx; *.html; *.bmp; *.gif; *.png; *.jpeg; *.tiff; *.avi; **Application Utilities:** - seismogram by accelerogram; - accelerogram by seismogram; - unit converter; - scientific calculator; - interpolation of data; - calculation of pile's stiffness; - calculation of coefficients of subgrade reaction; - wall thickness of glaze ice; - local calculation of reinforced concrete bar; - local calculation of reinforced concrete plate; - columns' effective length - calculation of steel deck	✓	✓	✓	✓	2 000[4]
Stability: - calculation of safety factors and buckling modes of the structure.	✓	✓	✓	✓	250
Design system of reinforced concrete structures (RCS): - check and reinforcement proportioning for RC elements; - check and reinforcement proportioning for pipe-concrete	✓	✓	✓	✓	600

elements; - surface of bearing capacity; - punching of reinforced concrete slabs.					
Design system for steel structures (SS): -check and cross section proportioning of steel elements; - calculation logging; - checking cross sections of wooden elements.	✓	✓	✓	✓	450
Wood	✓	✓	✓	✓	200
Soil: - determination of natural foundation stiffness; - determination of pile foundation stiffness.		✓	✓	✓	800
Physical and design nonlinearity			✓	✓	600
Geometrical nonlinearity			✓	✓	600
Assemblage: - linear; - nonlinear (elements of physical, constructive and geometric nonlinearity); - direct dynamic analysis[2] of the assembled structure.			✓	✓	500
Variation of models: - unification of DCF problem package; - formation of DCF and DCL by downloads of problem package.			✓	✓	300
Direct dynamic analysis (Dynamics+) for action of accelerograms, seismograms and other dynamic loads for problems: - linear; - physically and constructively nonlinear; - geometrically nonlinear.				✓	500
Bridge: - influence surfaces; - rolling by the axes of the wheels; - calculation of multistage schemes.				✓	400
PushoverAnalysis (nonlinear quasi-static analysis of dynamic problems) [3]: - by single-component accelerogram; - DBN V.1.1-12:2014; - STO NIU MGSU 2015; - EN 1998-1:2004.				✓	400
Temperature field analysis: - stationary and non-stationary[2] thermal conductivity problems (calculation of temperature distribution across structure); - considering of the obtained temperature field in the stress-strain state				✓	400
Cross section calculation: - determination of elastic and geometric properties, plastic, torsion, shear, mass-inertial and stiffness characteristics.				✓	400
Filtration[3]: - filtration modeling in water-saturated soil with calculation of distribution of fluid velocity and pressure; - depression curve construction; - considering of the obtained pore pressure in stress-strain				✓	200

state.					
	1 500⁵	**4 300**	**6 300**	**8 600**	

[1] Implemented standards: SP 14.13330.2018 (with changes from №1), DBNV.1.1-12:2014 (with changes from 01.05.2019), SPRK 2.03-30-2017, SN i PKR20-02:2018, EN 1998-1:2004, IBC-2012:ASCE 7-10, KMK 2.01.03-96 (with changes from 01.04.2004), SNRA II-6.02-2006, TGN 2.01.08-2020, AzDTN 2.3-1-2010 (with changes from 01.01.2014), PN 01.01-09, SP 267.1325800.2016, SP 268.1325800.2016, GNiPRT 22-07-2015, IS 1893 (Part 1):2002[2007], SI 413 Am.3 from 12.2013 etc.

[2] Upon the availability of Dynamics+ module

[3] Upon the availability of Physical non linearity module

[4] Upon purchase of separate systems highlighted item is mandatory

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

Table 2. Discount system* (when 2 or more licenses are acquired simultaneously)

Number of simultaneously acquired licenses	MINI	Base	PROFF	FULL	
2-3 licenses (20% discount from cost)	1 200	3 440	5 040	6 880	
4-5 licenses (30% discount from cost)	1 050	3 010	4 410	6 020	
From 5 licenses and more	By agreement				

Table 3. Cost of upgrade from previous versions

Version / Configuration	MINI	Base	PROFF	FULL	Custom Optional configuration
LIRA 10.12	150	430	630	860	10%
LIRA 10.8 - 10.10	300	860	1 260	1 720	20%
LIRA 10.x - 10.6	600	1 720	2 520	3 440	40%

Table 4. Special offers

Configuration name	Cost
LIRA 10.14 FULL for IHE	*cooperation agreement*