SLP LIGHTING
A Koller Enterprises Company

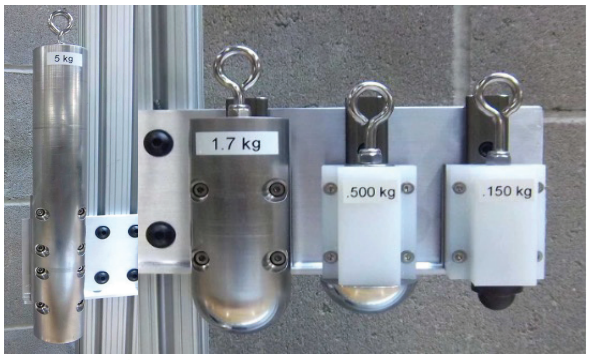
CAPABILITIES

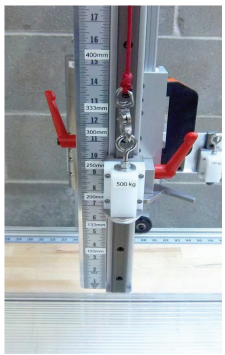
IK TESTING

As a commitment to our customers, SLP continues to invest heavily in research and development, along with having the very latest technology in our plants. Our products begin with our own in-house testing on prototypes and samples to ensure they will be certified to the markets standards.

Damage to enclosures may impair the proper functioning of installed equipment (e.g., machine control systems) or, in the worst case, even render it inoperative. In addition to IP protection (protection against dust, contact and water), enclosures must also have adequate protection against external mechanical impacts.

The relevant protection category that specifies an enclosure's resistance to impacts and shocks is the IK code. The IK code classification is established using a standardized testing method in line with IEC 62262.





Impact Weight Set (Tup)

IK Code	Impact Energy	Weight/Height
01	0.150 joules / 1.33 Inch #	.150kg : 100mm – 3 15/16"
02	0.200 joules / 1.77 Inch #	.150kg : 133mm – 5 15/16"
03	0.350 joules / 3.01 Inch #	.150kg : 250mm – 9 27/32"
04	0.500 joules / 4.43 Inch #	.150kg : 333mm – 13 7/64"
05	0.700 joules / 6.20 Inch #	.150kg : 500mm – 19/11/16"
06	1.00 joules / 8.85 Inch #	.500kg : 200mm – 7 7/8"
07	2.00 joules / 17.70 Inch #	.500kg : 400mm – 15 3/4"
08	5.00 joules / 44.25 Inch #	1.7kg : 300mm – 11 13/16"
09	10.00 joules / 88.51 Inch #	5kg : 200mm – 7 7/8"
10	20.00 joules / 177.01 Inch #	5kg : 400mm – 15 3/4"

Equipment	Procedure Summary
- Lens - Housing with Latches - Impact Weight Set (Tup)	• Unit is set up in the testing area • Level of weight vs. height is determined and set • Tup is released • Impacts are done in three (3) places on lens (both ends or edges and center) • Unit is examined and results are filed

SLP Lens	IK Rating		
	Area 1	Area 2	Area 3
CT4-DIRA	10	10	10
CT4-DIRA-FR50	10	10	10
CT4S-DIRA	10	10	10
CT4S-DIRA-FR50	10	10	10
CT2-DIRA-1L4	9	10	9
CT2-DIRA-1L4-FR50	9	9	9
CT2-DIRA-2L2	8	7	7
CT2-DIRA-2L2-FR50	9	9	9
CT2-DIRA-2L4	9	9	9
CT2-DIRA-2L4-FR50	9	9	9
CT2-DIRA-2L8	9	10	10
CT2-DIRA-2L8-FR50	9	10	10
CT2-LIRA-2L2	10	10	10
CT2-LIRA-2L2-FR50	9	10	10
CT2-LIRA-2L4	10	10	10
CT2-LIRA-2L4-FR50	10	10	10
CT2-LIRA-2L8	10	10	10
CT2-LIRA-2L8-FR50	10	10	10
CT2-CIRA-1L4	10	10	10
CT2-CIRA-1L4-FR50	10	10	10
CT2-CIRA-2L4	10	10	10
CT2-CIRA-2L4-FR50	10	10	10
CT2-CIRA-2L8	10	10	10
CT2-CIRA-2L8-FR50	10	9	10
CTR-LENS-18	10	10	10
CTR-LENS-18-FR50	10	10	10
CTVS-HV5-1L4	10	10	10
CT2-CP-2L2	10	10	10
CT2-CP-2L2-FR50	10	10	9
CT2-CP-2L4	10	10	10
CT2-CP-2L4-FR50	10	10	10
CT2-CP-2L8	10	10	10
CT2-CP-2L8-FR50	10	10	10
CT2-DP-1L4	10	10	10
CT2-DP-2L2-FR50	10	10	10
CT2-DP-2L4	9	10	10
CT2-DP-2L4-FR50	10	10	10
CT4-DP	10	10	10
CT4-DP-FR50	10	10	10
CT4s-DP-FR50	9	10	10
CTR-LENS-18-PC	10	10	10
CTR-LENS-18-PC-FR50	10	10	10

1400 S. Old Highway 141
Fenton, MO 63026
636-600-4084