

INDESTRUCT A PUFF™

Totally Shippable • Virtually Unbreakable Diffuser



Applications

- Schools
- College Dormitories
- Closets
- Laundry Areas
- Pantries
- Hallways
- Health Care Facilities
- Residential
- Commercial

Description

A.L.P.'s **Indestruct-A-Puff™** lighting diffusers are manufactured from **Dur-illum 2200™** Copolyester, a revolutionary high strength optical plastic material. Impact tests show that the **Dur-illum 2200™** outperforms impact modified acrylic many times over with nearly identical optical properties - high transmission and smooth uniform color.

The **Indestruct-A-Puff™**, utilizing **Dur-illum 2200™**, is naturally resistant to color shift when exposed to UV typical of fluorescent lamps. Tests show no measurable color shift when exposed for over 5 years to UV producing T8 4100k. To ensure long-term performance, the **Dur-illum 2200™** is Co-Extruded with UV surface protection molded into the product.

Bottom Line Savings:

The unique combination of strength and optical performance in an affordable versatile product like **Dur-illum 2200™** generates savings throughout the manufacturing process and use of the **Indestruct-A-Puff™** product.

Dur-illum 2200™ technology will virtually eliminate the transit, handling and installation damage characteristic of the delicate puff lighting diffuser, with a simultaneous reduction in packaging and transit costs. Finished good packaging height can be reduced by as much as 40% through the elimination of costly protective caps. Complex fixture-in-puff packaging saddles can be replaced by a inner pack.*

Features:

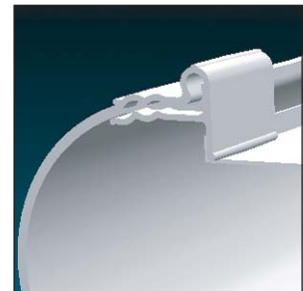
Advantages of using A.L.P.'s New Patented Plastic Clip versus conventional metal clip

Plastic

- Soft plastic edges ensure safe handling
- Bright white color blends into the fixture and promotes a more esthetically pleasing look

Metal

- Sharp edges pose harm during installation
- No color matching with the fixture, produces shadows

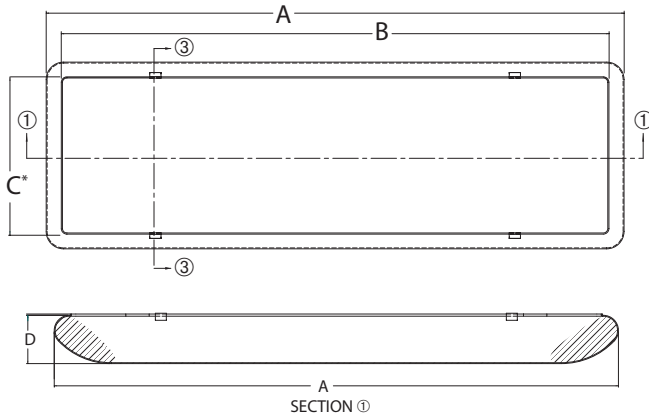


Catalog No	Description	Material	Dimensions
IAP14	Indestruct-A-Puff™ Diffusers	White Dur-illum 2200™	1 x 4
IAP154	Indestruct-A-Puff™ Diffusers	White Dur-illum 2200™	1.5 x 4
IAP152	Indestruct-A-Puff™ Diffusers	White Dur-illum 2200™	1.5 x 2
IAP22	Indestruct-A-Puff™ Diffusers	White Dur-illum 2200™	2 x 2

**Inner pack fixture spacer sold separately. To order Indestruct-A-Puff™ with inner pack add suffix "CI" at the end of the part number "ALP IAP14CI."*

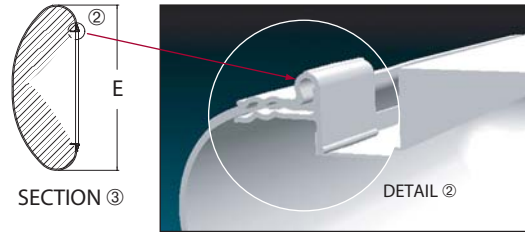


SPECIFICATIONS



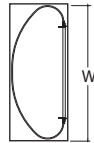
Part Dimensions

Catalog No.	A	B	C	D	E
IAP14	51.44"	48.50"	7.63" ± .06"	4.40"	11.25"
IAP154	51.46"	48.55"	13.80" ± .06"	4.25"	16.62"
IAP 154N	51.46"	48.30"	13.06" ± .06"	4.25"	16.62"
IAP 152N	27.32"	24.25"	13.06" ± .06"	4.22"	16.62"
IAP 152	27.32"	24.25"	13.81" ± .06"	4.22"	16.62"
IAP 22	27.50"	24.25"	23.81" ± .06"	4.22"	27.50"

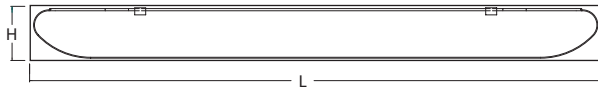


Box Dimensions

Catalog No.	L	W	H
IAP14	53.0"	11.5"	4.4"
IAP154	53.0"	16.9"	4.4"
IAP 152	28.3"	17.4"	4.4"
IAP 22	29.4"	28.3"	4.4"



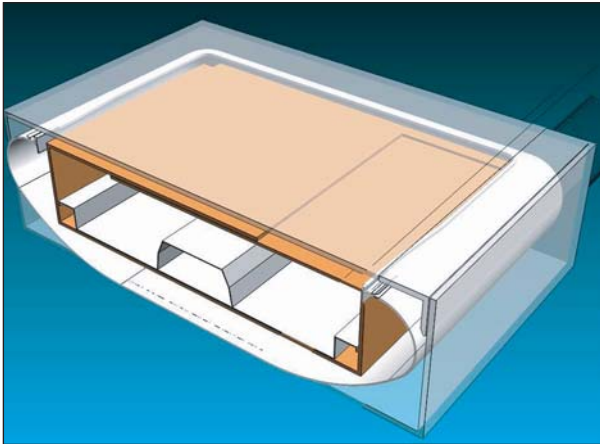
*Top Opening "Pizza" Style Standard



New White Plastic Clips- (patented)

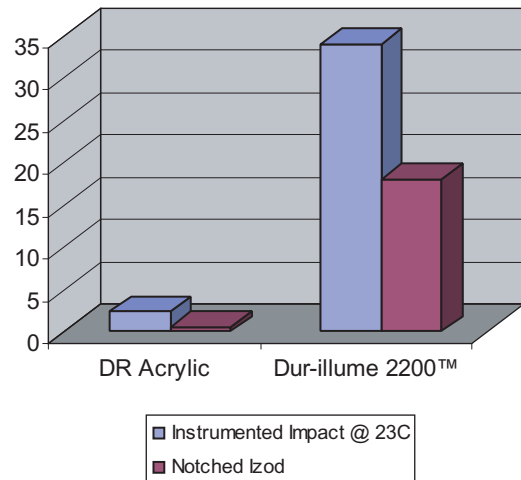
- Virtually invisible vs shadow produced by metal clips
- No sharp edges mean safe handling

Fixture-in-Puff Packaging Detail

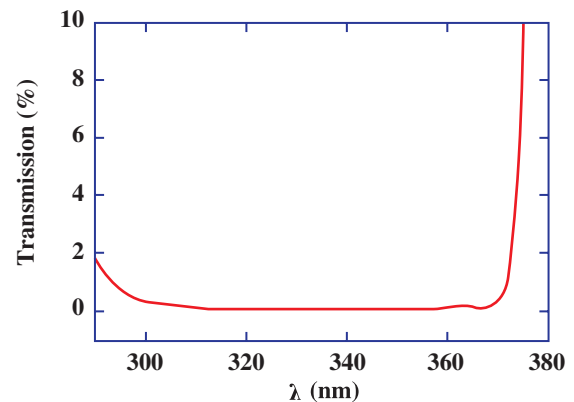


*Inner pack fixture spacer sold separately.

Durability - Comparison of Materials



UV Protection - Co-Extrusion Technology



The Dur-illum 2200™ Series incorporates additional protection against UV damage through co-extrusion technology. The (5 mil) treatment effectively blocks the UV spectra typical of fluorescent lighting and extends the life of the lighting diffuser significantly.

Dur-illum 2200™ Copolyester Performance Data

Property	Test Method	Typical Value, Units
Yellowness Index	E 313	0.81
UL Flammability Classification	UL 94	V-2

Impact Strength, Un-notched		
@ 23°C (73°F)	D 4812	No Break
@ -30°C (-22°F)		No Break
Izod Impact Strength Notched		
@ 0° C (32°F)		113 J/m (2.2 ft•lb/in.)
@ 23°C (73°F)	D 256	No Break
@ -30°C (-22°F)		83 J/m (1.6 ft•lb/in.)
Impact Resistance (Puncture), Energy @ Max. Load		
@ 0° C (32°F)	D 3763	41 J (29ft•lbf)
@ 23°C (73°F)		42 J (30ft•lbf)
@ -30°C (-22°F)		52 J (36ft•lbf)