



# Opaque Cover

**CONFIGURATION**  
Hinged, 2 lockable link latches



## HLL Construction

<b>Material</b>	SolarGuard® – Hot compression molded fiberglass reinforced polyester (thermoset)
<b>Gasket</b>	Poured polyurethane seamless gasket provides watertight, dust-tight environmental seal
<b>Stainless Steel Hardware</b>	300 Series stainless used on all hardware
<b>Mounting Bosses</b>	Panel mounting capability for fixed rear panel
<b>Metal inserts</b>	All bosses utilize threaded brass inserts accepting 10-32 screws
<b>Soft Edge Design</b>	Rounded edges, minimal protrusions or exposed pocket areas for assembly of dust and debris
<b>Color</b>	Available standard glacier grey (PMS 428C)

## HLL Modifications

<b>Custom Colors</b>	pg. 21-22
<b>Silk Screening</b>	pg. 21-22
<b>EMI/RFI Shielding</b>	pg. 21-22
<b>Custom Window</b>	pg. 21-22
<b>Custom Cutouts/Holes</b>	pg. 21-22

## HLL Industry Standards

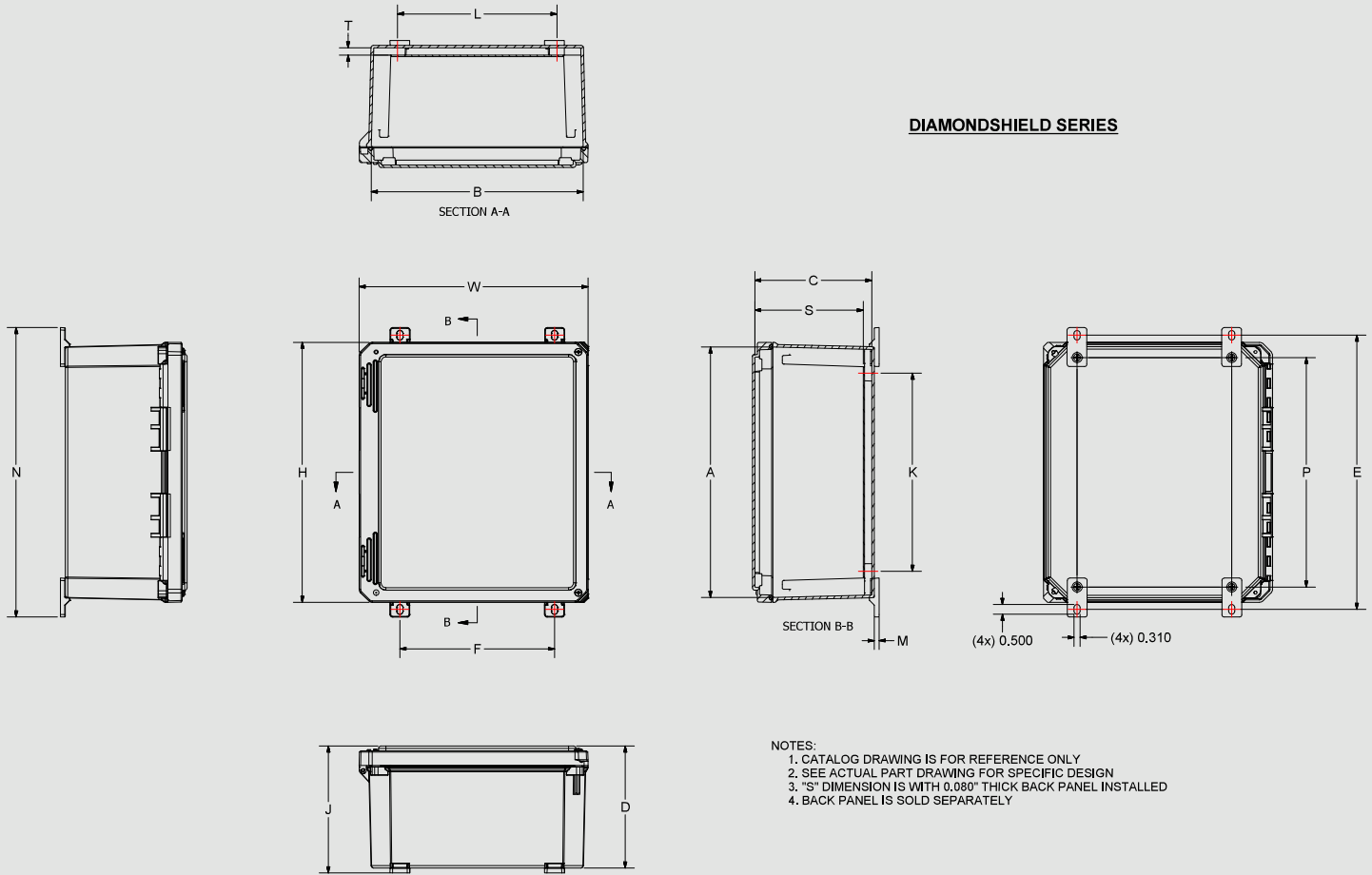
<b>NEMA 250, UL Listed UL50, UL50e, UL508A</b>	File E64358 Type 1, 3, 3S, 4X, 12, 13
<b>CSA Std C22.2</b>	File LR069014 Type 1, 3, 3S, 4X, 12, 13
<b>IEC 60529</b>	IP66
<b>Temperature Range</b>	(-76°F to +274°F) (-60°C to +134°C)
<b>Flammability Rating</b>	UL94-5V
<b>Impact Rating</b>	IK10
<b>Self Extinguishing</b>	Non-Halogenated, Non-flame propagating
<b>Chemical Resistance</b>	Full chemical resistance charts listed in appendix
<b>NFPA No. 101 Flame Spread</b>	Class A (1)
<b>Outdoor Exposure UL746C</b>	(f1) Rated

## HLL Accessories

<b>PANELS</b>	<b>Aluminum</b>	BP_AL	pg. 174-175
	<b>Fiberglass</b>	BP_FG	pg. 174-175
	<b>Stainless Steel</b>	BP_SS	pg. 174-175
	<b>Carbon Steel</b>	BP_CS	pg. 174-175
<b>ACCESSORIES</b>	<b>Dead Front Panels</b>		pg. 180-181
	<b>Mounting Feet</b>		pg. 192
	<b>Drain &amp; Breather Vents</b>		pg. 185
	<b>Hole Plugs</b>		pg. 187
	<b>Assorted Hubs and Cord Grips</b>		pg. 188-189
	<b>All Other Accessories</b>		pg. 184-194



### DIAMONDSHIELD SERIES



### SCREW SIZES & TORQUE VALUES

PRODUCT SIZES	BACK PANEL SCREW SIZE	BACK PANEL RECOMMENDED TORQUE	COVER SCREW SIZE	COVER SCREW RECOMMENDED TORQUE	MOUNTING FOOT SCREW SIZE	MOUNTING FOOT SCREW RECOMMENDED TORQUE	RECOMMENDED MOUNTING FLANGE TORQUE
All Sizes	#10-32 x 3/8	16 - 20 in-lbs	#10-32 x 1-1/4	20 - 24 in-lbs	#10-32 x 7/16	22 - 25 in-lbs	45 in-lbs max

## Diamond Shield® Series – Opaque Cover

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING P X R	K	L	S	T	OPT. MOUNT FEET E X F	N	J	M	SHIP WEIGHT	PANEL NUMBER
DS60604HPL DS60604HW DS60604W DS60604HLL	7.42 x 7.79 x 4.31 (188 x 198 x 110)	6.77 x 6.77 x 4.06 (172 x 172 x 103)	5.93 x 4.00 (151 x 102)	4.25 (108)	4.25 (108)	3.60 (92)	.38 (10)	8.24 x 4.00 (209 x 102)	9.02 (229)	4.56 (116)	.25 (6)	3.8 lbs	BP66*
DS80604HPL DS80604HW DS80604W DS80604HLL	9.42 x 7.79 x 4.31 (239 x 198 x 110)	8.77 x 6.77 x 4.06 (223 x 172 x 103)	7.91 x 4.00 (201 x 102)	6.25 (159)	4.25 (108)	3.60 (92)	.38 (10)	10.21 x 4.00 (259 x 102)	10.98 (279)	4.56 (116)	.25 (6)	4.1 lbs	BP86*

All measures are in inches, items in parentheses are in millimeters.



\*Panel sold separately

Diamond Shield® Series



## Diamond Shield® Series – Opaque Cover

CATALOG NUMBER	OVERALL H X W X D	INSIDE A X B X C	MOUNTING P X R	K	L	S	T	OPT. MOUNT FEET E X F	N	J	M	SHIP WEIGHT	PANEL NUMBER
DS80804HPL DS80804HW DS80804W DS80804HLL	9.39 x 9.77 x 4.31 (239 x 248 x 109)	8.74 x 8.74 x 4.06 (222 x 222 x 103)	7.91 x 6.00 (201 x 152)	6.25 (159)	6.25 (159)	3.60 (92)	.38 (10)	10.21 x 6.00 (259 x 152)	10.98 (279)	4.56 (116)	.25 (6)	4.9 lbs	BP88*
DS100806HPL DS100806HW DS100806W DS100806HLL	11.42 x 9.80 x 6.31 (290 x 249 x 160)	10.73 x 8.73 x 6.06 (273 x 222 x 154)	9.89 x 6.00 (251 x 152)	8.25 (210)	6.25 (159)	5.60 (142)	.38 (10)	12.19 x 6.00 (310 x 152)	12.96 (329)	6.56 (167)	.25 (6)	6.2 lbs	BP108*
DS121006HPL DS121006HW DS121006W DS121006HLL	13.46 x 11.83 x 6.31 (342 x 301 x 160)	12.72 x 10.72 x 6.06 (322 x 272 x 154)	11.88 x 8.00 (302 x 203)	10.25 (260)	8.25 (210)	5.60 (142)	.38 (10)	14.18 x 8.00 (360 x 203)	14.95 (380)	6.56 (167)	.25 (6)	8.0 lbs	BP1210*
DS141206HPL DS141206HW DS141206W DS141206HLL	15.49 x 13.86 x 6.34 (392 x 352 x 161)	14.72 x 12.72 x 6.06 (374 x 323 x 154)	13.91 x 10.00 (353 x 254)	12.25 (311)	10.25 (260)	5.60 (142)	.38 (10)	16.21 x 10.00 (412 x 254)	16.98 (431)	6.59 (167)	.25 (6)	10.0 lbs	BP1412*
DS141208HPL DS141208HW DS141208W DS141208HLL	15.49 x 13.86 x 8.34 (392 x 352 x 212)	14.72 x 12.72 x 8.06 (372 x 322 x 205)	13.91 x 10.00 (353 x 254)	12.25 (311)	10.25 (260)	7.60 (193)	.38 (10)	16.19 x 10.00 (411 x 254)	16.96 (431)	8.59 (218)	.25 (6)	12.5 lbs	BP1412*
DS161408HPL DS161408HW DS161408W DS161408HLL	17.59 x 15.96 x 8.34 (447 x 405 x 212)	16.69 x 14.69 x 8.06 (424 x 373 x 205)	15.96 x 12.00 (405 x 305)	14.25 (362)	12.25 (311)	7.60 (193)	.38 (10)	18.26 x 12.00 (464 x 305)	19.04 (484)	8.59 (218)	.25 (6)	13.3 lbs	BP1614*
DS181610HPL DS181610HW DS181610W DS181610HLL	19.77 x 18.15 x 10.34 (502 x 461 x 263)	18.63 x 16.63 x 10.06 (473 x 422 x 256)	17.94 x 14.00 (456 x 356)	16.25 (413)	14.25 (362)	9.60 (244)	.38 (10)	20.24 x 14.00 (514 x 356)	21.02 (534)	10.59 (269)	.25 (6)	20.2 lbs	BP1816*
DS201610HPL DS201610HW DS201610W DS201610HLL	21.79 x 18.17 x 10.34 (554 x 461 x 263)	20.63 x 16.63 x 10.06 (524 x 422 x 256)	19.96 x 14.00 (507 x 356)	18.25 (463)	14.25 (362)	9.59 (244)	.38 (10)	22.26 x 14.00 (566 x 356)	23.04 (585)	10.59 (269)	.25 (6)	21.7 lbs	BPJ2016*

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\*Panel sold separately