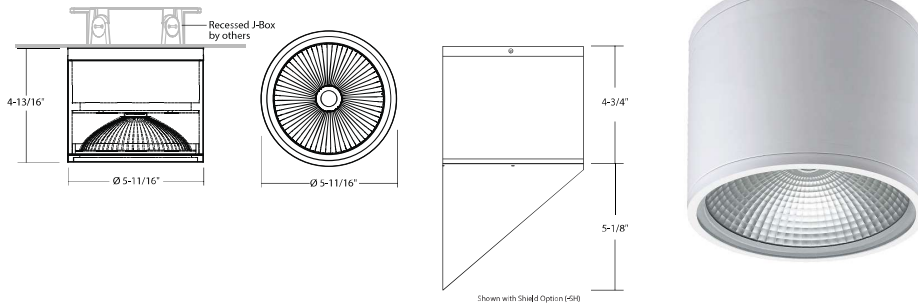


DL360 : 6" ROUND

CEILING DOWNLIGHT (IP65) 1000LM-2600LM (10W-30W)



- Energy efficient, low glare LED Chip-On-Board light engine
- Beam spreads include NS, SP, FL, WFL and Pencil Beam
- Wall Wash Optics available
- Emergency back up available
- Integral Surface J-Box Option
- 5-Year Limited Warranty

ORDERING : DL360B-L15-CB10-DIN-EMAC-T27

DL360

Fixture	Finish	Lumen	Optics	Dimming	Emergency Options	LED	Options
Finish		Optics			Dimming		LED
White	(RAL 9003) W	Standard Beams			Non-Dimming (120V)	Blank	4000K (90 CRI) Blank
Silver	(RAL 7037) S	Wide Flood	Blank				2700K (90 CRI) -T27
Bronze	(RAL 8019) BZ	Pencil Beam	-CB10	ELV and Triac (120V)	-DIN		2700K (97 CRI) -T27-C97²
Black	(RAL 9005) B	15° Zero Spill	-CB15	0-10V (120V/277V)	UE-D10		3000K (90 CRI) -T30
Light Silver	(RAL 7036) LS⁸	35° Zero Spill	-CB35	UniDim™ (120V/277V)	UE-DUN		3000K (97 CRI) -T30-C97²
Dark Grey	(RAL 7015) DG⁸	Narrow Spot	-B10	0-10V 1% Dimming (120V/277V)	UE-D10P1		3500K (90 CRI) -T35
Metallic Gold	(RAL 1001) MG⁸	Spot	-B20	347V 0-10V Dimming	-347-D10⁵		5000K (80 CRI) -T50
Metallic Black	(RAL 7021) MB⁸	Flood	-B45				RGB+W Control (24VDC) -RGBWV24⁴
Lumen		Specialty Beams			Emergency Options		Options
1000lm (10W)	Blank	Wall Wash	-WW	None	Blank		None Blank
1500lm (15W)	-L15	Asymmetric (30° x 60°)	-B3060	Remote Location Emergency System	-EMAC		Hex-Cell Louver -LVR
2200lm (22W)	-L20			Emergency in Canopy for Surface Mounted Fixture	-EMA^{1,6,7}		Photocell Sensor -SDL
2600lm (30W)	-L26						Integral Junction Box 1-Outlet -JB
							Surge Protector -SRG
							Cold Weather -CW^{3,7}
							Glare Shield -SH
							Frosted Lens -FR
							Regressed Lens -RGRLNS

1. EMA and EMA/DM for 1500lm max. Specify White (W) or Black (B).

¹ -EMA and -EMA/PM for 1500lm max. Specify White (W) or Black (B).

² Special Order. Minimum order, extended lead time may apply. Consult factory.

³ Starting temperature -30°C/-22°F; see pg. 6.

⁴ Remote Power Supplies and Control Gear Required, Available with Wireless Bluetooth or DMX Control. Consult Factory for Details.

⁵ Not compatible with 1000lm selection; use with 1500lm and above.

⁶ Standard option only available for Black (B), and White (W) finish. For alternate finishes; contact factory for pricing. Extended lead time may apply.

⁷ (-EMA) is not compatible with (-CW) option.

⁸ Special Order Finish. Minimum order quantity (MOQ) applies. Orders less than MOQ are subject to a special paint set-up fee for the quantity ordered. Extended lead times may apply. Consult Factory.

347V Input with 0-10V Dimming available. Consult factory for lead times.

Custom RAL Color: Please note that we appreciate custom finishes. Custom finishes are subject to a special paint setup fee for the quantity ordered. Extended lead times may apply. Consult Factory.

SPECIFICATION

Application

This DL series covered ceiling mount downlight can be used for surface ceiling or pendant mount in both interior and outdoor settings. Typical locations are in commercial and retail spaces that require lighting from above. Dark sky compliant.

Housing

Housing is constructed from a square one piece high grade aluminum extrusion.(Alloy 6061<04% Cu). Faceplate (with a tempered glass lens) and top cap are of a robust die-cast aluminum alloy and are secured to the housing with (4)socket head tamper resistant stainless steel screws and seal the housing (top and bottom) using silicone gaskets

Mounting:

A mounting bracket attaches to or over a recessed J-Box (by others) and has through holes to accept (2) two countersunk phillips head screws in the top edge of the fixture housing.

Finish:

A 7-stage electrostatic, polymer process provides an outdoor textured powder coat finish that delivers outstanding durability, superior anti-aging, resistance to corrosion and UV-degradation. Consult factory for Custom Color. (More Information)



Standard Finishes:

White: RAL 9003 (W)
Silver: RAL 7037 (S)
Bronze: RAL 8019 (BZ)
Black: RAL 9005 (B)

Special Order Finishes:

Light Silver: RAL 7036 (LS)
Dark Gray: RAL 7015 (DG)
Metallic Gold: RAL 1001 (MG)
Metallic Black: RAL 7021 (MB)

Certifications and Listings:

ETL / cETL Listed to UL1598 and UL8750 standards.

Suitable wet locations. (IP65)

Assembled in USA.

IK08 rated for impact resistance.



SPECIFICATION (Continued)

Caution:

LITON recommends use of surge protectors on the power entering LED Housings.
Surge damage is not covered by warranty. (See option SRG)

Warranty

Covered by a 5-Year Warranty to be free of defects in materials and craftsmanship. Fixture should not be installed in applications with ambient temperature above 50°C/122°F. Doing so will result in reduced lamp life and voided warranty.

Optics

Multifaceted aluminum reflector produces low glare illumination with multiple light control options.

Standard Beam:

Used for maximum light output and visible field angle.

LED

COB (Chip on Board) singular LED light source provides for smooth, uniform light output, eliminating the imaging produced by multiple LED source optics.

Lumen Maintenance:

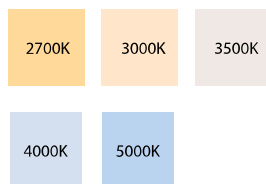
Lumen Maintenance is a minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results.

Lumen Options (Nominal):

1000lm (10W) (Blank)
1500lm (15W) (-L15)
2200lm (22W) (-L20)
2600lm (30W) (-L26)

Color Temperature:

Binned with 4-step MacAdam ellipses as per ANSI Standard recommendation.



COLOR TEMP:	2700K	3000K	3500K	4000K	5000K
CRI:	90, 97	90, 97	90	90	80

RGB+W:



15W RGBW LED Module illuminates surfaces up to 10 feet away. Used for applications desiring a dynamic color changing effect. RGB+W design allows fine-tuned pastel colors and saturated hues without sacrificing illumination brightness. Can be set for static colors or dynamic shows. Multiple control options available with either Wireless Bluetooth control or DMX 512 remote mounted decoders.

On-site commissioning and programming available.

Consult Factory for Layout Assistance and Lead Times.

SPECIFICATION (Continued)

Emergency Options

When AC power fails, provides 90 minutes of power to the luminaire. In the event of a power failure, the LED Emergency backup switches to the emergency mode and operates the existing fixture for 90 minutes.

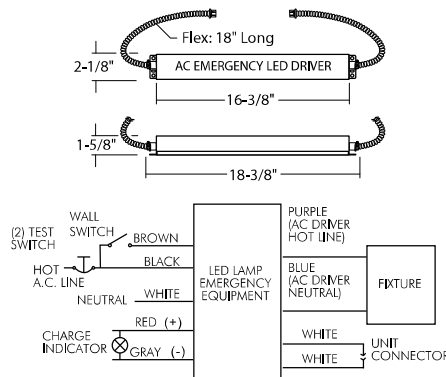
Remote Emergency Back Up (-EMAC):

For installation away from the surface of the building in remote hidden location.

- Hidden Emergency Equipment
- Must be installed in Dry Locations

Not rated for outdoor mounting.

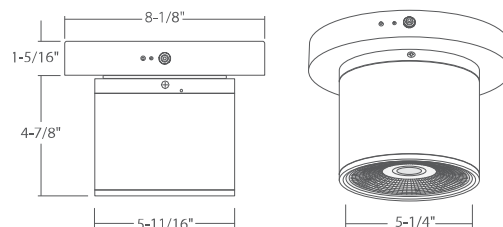
Damp location rated.



Input Voltage:	120-277VAC/60Hz
Output Voltage:	170VDC (120VAC Equivalent)
Wattage:	25W & 40W (Depending on fixture)
Switching Time:	<1s
Charging Time:	24h
Operating Time:	90 minutes
Minimum Temperature:	0°C
Maximum Temperature:	50°C
Maximum Lumens:	2600lm

Emergency Backpack (-EMA):

- The Emergency Backpack (-EMA) is 8" round, ceiling mount canopy, including EM components (recessed j-box by others), a test switch and is field installed to the rear of the luminaire.
- Wet location rated
- Covered Ceiling Mount
- 1500lm max.
- For non-emergency fixtures requiring visual continuity use LPCMD7R-EMA-Blank

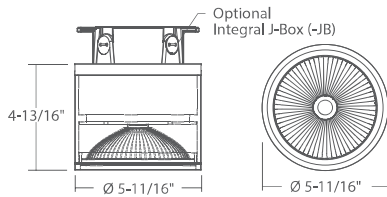


Voltage:	120-277VAC/60Hz
Wattage:	15W
Switching Time:	<1s
Charging Time:	24h
Operating Time:	90 minutes
Minimum Temperature:	0°C
Maximum Temperature:	50°C
Maximum Lumens:	1500lm

SPECIFICATION (Continued)

Additional Options

Optional J-Box (Direct Conduit Entry):



For use with mounting locations without a recessed junction box.
Factory installed outlet box with five (5) 1/2 NPSM trade conduit holes and plugs
(1 top, 4 sides) for 1/2 in. trade conduit and wire entry.

Configure as:

-JB: (5) conduit entry from left or
right looking at fixture

Photocell (/SDL):



Allows for energy savings when illumination is not need during between dawn to dusks. Cuts
off power to LED's during day time or in illuminated environments.

Power Consumption: .5W

Voltage: 120V, 277V

On/Off Levels: On @ 0-2fc / Off @ 2fc or more

Warranty: 2-Year / 5,000 Cycles

Sensor Size: 3/8"

Rating: UL/cUL

Surge Suppressor (/SRG):



Protects driver against surges in line voltage/current
(20KV, 1.2/50μS & 10KA, 8/20μS).

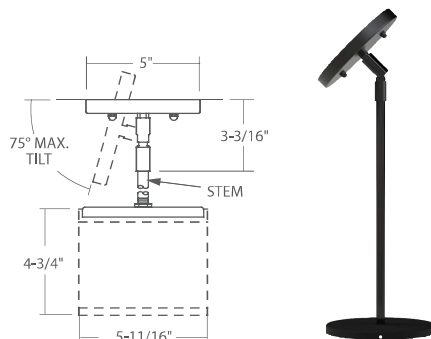
Provides a positive indication of end-of-life by opening voltage to the load.

Surge suppressor is a perishable device requiring periodic replacement.

Not a warrantied item.

Pendant Mounting:

See spec sheet [LPCMDL6](#)
for details and configuration



SPECIFICATION (Continued)

Electrical

LED Driver: AC 50/60Hz Electronic Direct Current Class 2 driver integrally mounted.
Power Factor > 0.90. See Dimming Section for voltage and wiring.

Minimum Operating Temperature:
Standard: -10°C/14°F
Cold Weather Option: (-CW) -30°C/-22°F

Dimming Options

ELV and TRIAC Driver 120V (-DIN):

Compatible with electronic low voltage, and 2-Wire incandescent dimmers. Also known as leading edge, Reverse Phase, Forward Phase dimming. Allows smooth dimming down to 5% depending upon the dimmer's limitations.

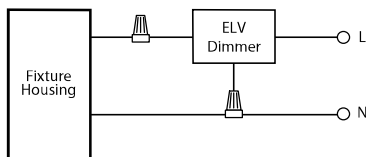
0-10V Driver 120V/277V (UE-D10):

Compatible with most existing 0-10V systems. Also known as fluorescent or 5-Wire dimming. Allows smooth dimming down to 5% depending upon the dimmer's limitations. Compatible with daylight harvesting controls.

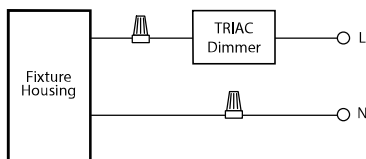
UniDim™ Driver 120V/277V (UE-DUN):

All in one ELV and TRIAC phase dimming (120V only), and 0-10V dimming (120V/277V). Works with most 3-Wire ELV, 2-Wire incandescent and 120V/277V 5-Wire 0-10V fluorescent dimmers.

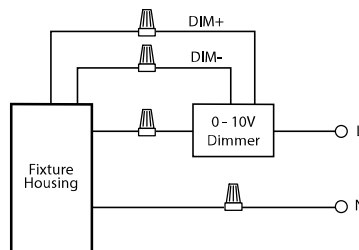
Incandescent/Phase Wiring
ELV



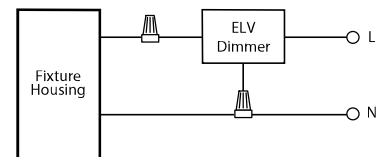
TRIAC



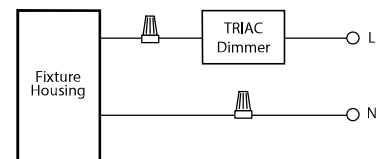
0 - 10V Wiring



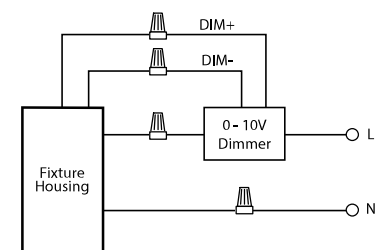
Incandescent/Phase Wiring
ELV



TRIAC



0 - 10V Wiring



PHOTOMETRY – DL360 (L26)

Footcandle Distribution Cone Charts

STANDARD BEAM – WIDE FLOOD (Blank)

Height	Beam Diameter	Footcandle (FC)*
6.0'	10.0'	37.4
8.0'	13.3'	21.1
10.0'	16.6'	13.5
12.0'	19.9'	9.4
14.0'	23.2'	6.9

*at center of beam

STANDARD BEAM – NARROW SPOT (-B10)

Height	Beam Diameter	Footcandle (FC)*
6.0'	1.9'	245.2
10.0'	3.1'	88.3
14.0'	4.4'	45.0
18.0'	5.7'	27.2
20.0'	6.3'	22.1

*at center of beam

STANDARD BEAM – SPOT (-B20)

Height	Beam Diameter	Footcandle (FC)*
6.0'	2.0'	216.0
8.0'	2.6'	121.5
10.0'	3.3'	77.8
12.0'	3.9'	54.0
14.0'	4.6'	39.7

*at center of beam

STANDARD BEAM – FLOOD (-B45)

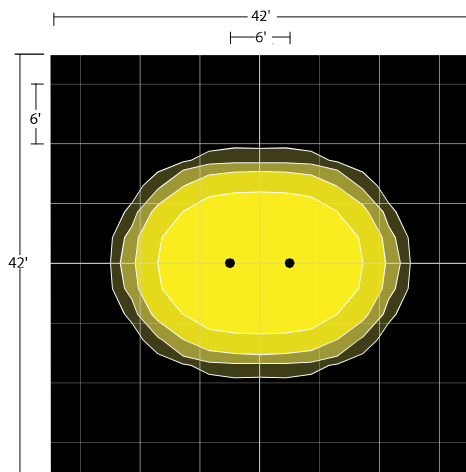
Height	Beam Diameter	Footcandle (FC)*
6.0'	3.8'	105.1
8.0'	5.1'	59.1
10.0'	6.3'	37.8
12.0'	7.6'	26.3
14.0'	8.9'	19.3

*at center of beam

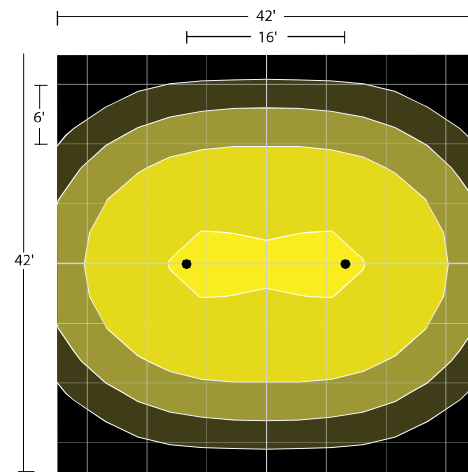
Footcandles On Ground (2 - Fixture Overlap)

5.0 fc 2.0 fc 1.0 fc .5 fc

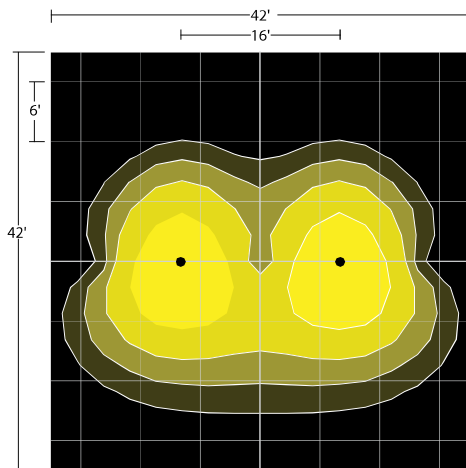
STANDARD BEAM – WIDE FLOOD (Blank) 8' Mounting



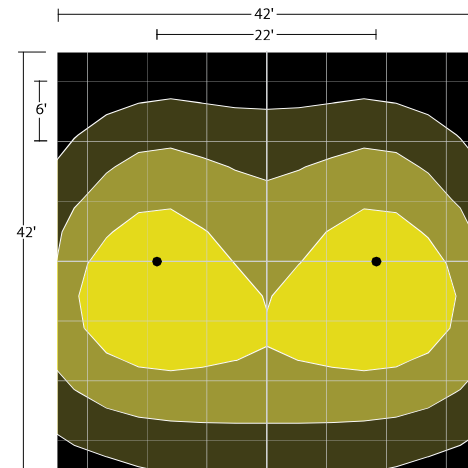
STANDARD BEAM – WIDE FLOOD 16' Mounting



SPECIALTY BEAM – TYPE IV (-BIV) 8' Mounting



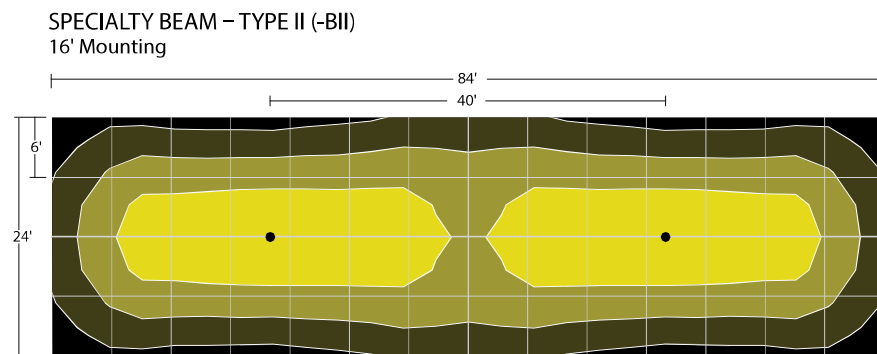
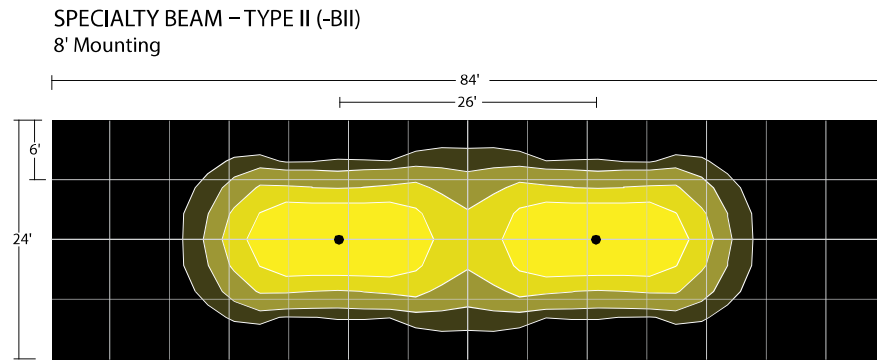
SPECIALTY BEAM – TYPE IV (-BIV) 16' Mounting



PHOTOMETRY – DL360 (L26) (Cont.)

Footcandles On Ground (2 - Fixture Overlap)

5.0 fc 2.0 fc 1.0 fc .5 fc



LUMEN OUTPUT / LPW /BUG RATING

LM	W	Beam Spread	-T27 (2700K, 90 CRI)						-T30 (3000K, 90 CRI)						-T35 (3500K, 90 CRI)						Blank (4000K, 90 CRI)						-T50 (5000K, 80 CRI)					
			LM	LPW	cd	B	U	G	LM	L/W	cd	B	U	G	LM	LPW	cd	B	U	G	LM	LPW	cd	B	U	G	LM	LPW	cd	B	U	G
1000 lm	14.3	Wide Flood	959	67	728	1	0	0	998	70	758	1	0	0	1012	71	769	1	0	0	1014	71	770	1	0	0	1208	84	918	1	0	0
		-B02	317	22	612	1	0	0	330	23	637	1	0	0	334	23	646	1	0	0	335	23	647	1	0	0	399	28	771	1	0	0
		-CB20	284	20	647	1	0	0	295	21	674	1	0	0	300	21	683	1	0	0	300	21	684	1	0	0	358	25	816	1	0	0
		-CB35	448	31	666	1	0	0	466	33	694	1	0	0	472	33	703	1	0	0	473	33	705	1	0	0	564	39	840	1	0	0
		-B10	1134	79	6116	2	0	0	1180	83	6367	2	0	0	1197	84	6456	2	0	0	1199	84	6468	2	0	0	1429	100	7708	2	0	0
		-B20	929	65	5788	2	0	0	968	68	6026	2	0	0	981	69	6110	2	0	0	983	69	6122	2	0	0	1171	82	7295	2	0	0
		-B45	968	68	2351	2	0	0	1008	70	2448	2	0	0	1022	71	2482	2	0	0	1024	72	2487	2	0	0	1220	85	2964	2	0	0
		-BII	951	67	927	1	0	0	990	69	966	1	0	0	1004	70	979	1	0	0	1006	70	981	1	0	0	1199	84	1169	1	0	0
		-BWW	834	58	653	1	0	0	868	61	680	1	0	0	880	62	689	1	0	0	882	62	691	1	0	0	1051	73	823	1	0	0
		-BIV	834	58	653	1	0	1	868	61	680	1	0	1	880	62	689	1	0	1	882	62	691	1	0	1	1051	73	823	1	0	1
-L15 (1500 lm)	13.9	Wide Flood	1296	93	576	1	0	0	1350	97	600	1	0	0	1368	98	608	1	0	0	1371	99	609	1	0	0	1634	118	726	1	0	0
		-B02	403	29	484	1	0	0	419	30	504	1	0	0	425	31	511	1	0	0	426	31	512	1	0	0	507	37	610	1	0	0
		-CB20	361	26	512	1	0	0	375	27	533	1	0	0	381	27	541	1	0	0	381	27	542	1	0	0	454	33	645	1	0	0
		-CB35	569	41	528	1	0	0	593	43	549	1	0	0	601	43	557	1	0	0	602	43	558	1	0	0	717	52	665	1	0	0
		-B10	1237	89	4157	2	0	0	1288	93	4328	2	0	0	1306	94	4389	2	0	0	1309	94	4397	2	0	0	1560	112	5240	2	0	0
		-B20	1316	95	4157	2	0	0	1370	99	4328	2	0	0	1389	100	4389	2	0	0	1392	100	4397	2	0	0	1659	119	5240	2	0	0
		-B45	1303	94	1912	2	0	0	1356	98	1990	2	0	0	1375	99	2018	2	0	0	1378	99	2022	2	0	0	1642	118	2410	2	0	0
		-BII	1241	89	754	1	0	0	1292	93	784	1	0	0	1310	94	795	1	0	0	1313	94	797	1	0	0	1564	113	950	1	0	0
		-BWW	1059	76	517	1	0	0	1103	79	538	1	0	0	1118	80	546	1	0	0	1121	81	547	1	0	0	1333	96	650	1	0	0
		-BIV	1059	76	517	1	0	1	1103	79	538	1	0	1	1118	80	546	1	0	1	1121	81	547	1	0	1	1335	96	652	1	0	1
-L20 (2000 lm)	19.5	Wide Flood	2135	109	816	1	0	0	2223	114	849	1	0	0	2254	116	861	1	0	0	2258	116	863	1	0	0	2691	138	1028	1	0	0
		-B02	654	34	667	1	0	0	681	35	694	1	0	0	690	35	704	1	0	0	691	35	705	1	0	0	824	42	840	1	0	0
		-CB20	585	30	705	1	0	0	609	31	734	1	0	0	618	32	744	1	0	0	619	32	746	1	0	0	738	38	888	1	0	0
		-CB35	923	47	726	1	0	0	961	49	755	1	0	0	975	50	766	1	0	0	976	50	768	1	0	0	1164	60	915	1	0	0
		-B10	2022	104	6490	2	0	0	2106	108	6756	2	0	0	2135	109	6851	2	0	0	2139	110	6864	2	0	0	2549	131	8180	2	0	0
		-B20	1759	90	5680	2	0	0	1831	94	5913	2	0	0	1857	95	5996	2	0	0	1860	95	6007	2	0	0	2217	114	7159	2	0	0
		-B45	1776	91	2665	2	0	0	1849	95	2775	2	0	0	1874	96	2814	2	0	0	1878	96	2819	2	0	0	2238	115	3360	2	0	0
		-BII	1998	102	1029	1	0	0	2080	107	1071	1	0	0	2109	108	1086	1	0	0	2113	108	1088	1	0	0	2518	129	1297	1	0	0
		-BWW	1768	91	731	1	0	0	1840	94	761	1	0	0	1866	96	772	1	0	0	1870	96	774	1	0	0	2228	114	922	1	0	0
		-BIV	1768	91	731	1	0	1	1840	94	761	1	0	1	1866	96	772	1	0	1	1870	96	774	1	0	1	2228	114	922	1	0	1
-L26 (2600 lm)	29.3	Wide Flood	2730	93	1087	1	0	0	2842	97	1132	1	0	0	2882	98	1148	1	0	0	2887	99	1150	1	0	0	3441	117	1370	1	0	0
		-B02	857	29	913	1	0	0	893	30	951	1	0	0	905	31	964	1	0	0	907	31	966	1	0	0	1081	37	1151	1	0	0
		-CB20	767	26	964	1	0	0	798	27	1004	1	0	0	810	28	1018	1	0	0	811	28	1020	1	0	0	967	33	1216	1	0	0
		-CB35	1212	41	995	1	0	0	1261	43	1036	1	0	0	1279	44	1050	1	0	0	1281	44	1052	1	0	0	1527	52	1254	1	0	0
		-B10	2494	85	8346	2	0	0	2597	89	8689	2	0	0	2633	90	8810	2	0	0	2638	90	8827	2	0	0	3144	107	10519	2	0	0
		-B20	2306	79	7351	2	0	0	2401	82	7653	2	0	0	2434	83	7760	2	0	0	2439	83	7775	2	0	0	2907	99	9266	2	0	0
		-B45	2315	79	3578	2	0	0	2410	82	3725	2	0	0	2443	83	3777	2	0	0	2448	84	3784	2	0	0	2917	100	4510	2	0	0
		-BII	2567	88	1380	1	0	0	2672	91	1437	1	0	0	2710	92	1457	1	0	0	2715	93	1460	1	0	0	3235	110	1740	1	0	0
		-BWW	2256	77	975	1	0	0	2349	80	1015	1	0	0	2381	81	1029	1	0	0	2386	81	1031	1	0	0	2838	97	1226	1	0	0
		-BIV	2256	77	975	1	0	1	2349	80	1015	1	0	1	2381	81	1029	1	0	1	2386	81	1031	1	0	1	2843	97	1229	1	0	1