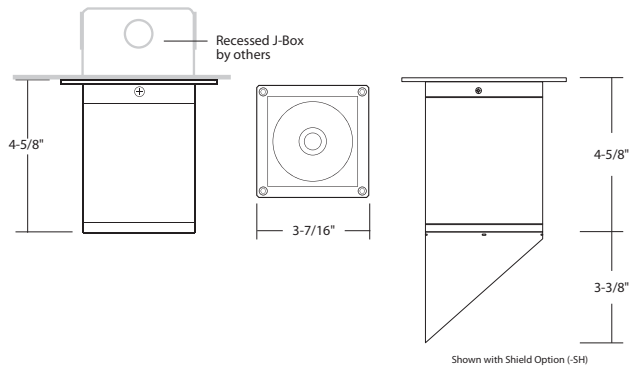


DLQ340 : 4" SQUARE

CEILING DOWNLIGHT (IP65) 1000LM-1500LM (10W-15W)



- 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 : DLQ340B-L15-B02-UE-DUN-EMA-T30-SDL

DLQ340

Fixture Finish Lumen Optics Dimming Emergency Options LED Options

Finish

White (RAL 9003)	W
Silver (RAL 7037)	S
Basic Bronze (RAL 8019)	BZ
Black (RAL 9005)	B
Light Silver (RAL 7036)	LS ²
Dark Grey (RAL 7015)	DG ²
Metallic Gold (RAL 1001)	MG ²
Metallic Black (RAL 7021)	MB ²

Lumen

1000lm (10W)	Blank
1500lm (15W)	-L15

Optics

Standard Beams	
Wide Flood	Blank
Pencil Beam	-CB10
Narrow Spot	-B10
Spot	-B20
Flood	-B45
Specialty Beams	
Wall Wash	-BWW
Asymmetric (30° x 60°)	-B3060

Dimming⁹

Non-Dimming (120V)	Blank
ELV and Triac (120V)	-DIN
0-10V (120V/277V)	UE-D10
UniDim™ (120V/277V)	UE-DUN
0-10V 1% Dimming (120V/277V)	UE-D10P1

Emergency Options

None	Blank
Remote location Emergency System	-EMAC
Emergency in Canopy for Surface Mounted Fixture	-EMA ^{1,6,7}
Emergency in Canopy for Pendant Mounted Fixture	-EMA/PM ^{1,6,7,8}

LED

4000K (90 CRI)	Blank
2700K (90 CRI)	-T27
2700K (97 CRI)	-T27-C97²
3000K (90 CRI)	-T30
3000K (97 CRI)	-T30-C97²
3500K (90 CRI)	-T35
5000K (80 CRI)	-T50
RGB+W Control (24VDC)	-RGBWV24⁴

Options

None	Blank
Hex-Cell Louver	-LVR
Photocell Sensor	-SDL
Integral Junction Box	-JB ⁵
1-Outlet	
Surge Protector	-SRG
Cold Weather	-CW ^{3,7}
Frosted Lens	-FR
Glare Shield	-SH



LINK

¹ -EMA and -EMA/PM for 15W max.

² Special Order. Minimum order, extended lead time may apply. Consult factory. (Finish options 50 piece minimum. 10-12 week lead time)

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

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

⁵ See p. 5 for breakdown of -JB options.

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) and (-EMA/PM) are not compatible with (-CW) option.

⁸ Must be ordered with Pendant Mount Accessory (LPCMDL4) shown on p. 5.

⁹ 347V Input with 0-10V Dimming available. Consult factory for lead times.

COMPLEMENTARY ITEMS *(Click for more Information)*



2-DIRECTION WALL

1-DIRECTION WALL

ADJUSTABLE 1-DIRECTION WALL

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.

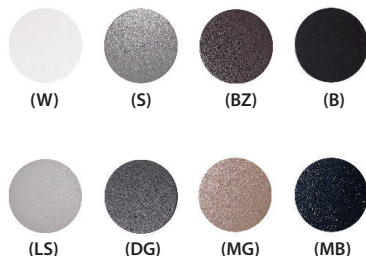
Housing

Housing is constructed of one piece high grade aluminum extrusion (Alloy 6061<.04% Cu). Faceplate (with tempered glass lens) and top cap are of a robust die cast aluminum alloy and seal the housing top and bottom. Faceplate has a silicone o-ring to seal the flush lens and threads into housing. A U-bracket installs onto an electrical junction box and secures into the top cap with two (2) flat head countersunk phillips head stainless steel screws.

Mounting:

Bracket supplied to install onto a 4" octagonal electrical junction box. For other junction box sizes see installation instructions.

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)
Basic 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.

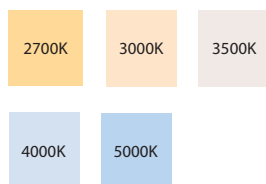
Lumen Maintenance:

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)

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.

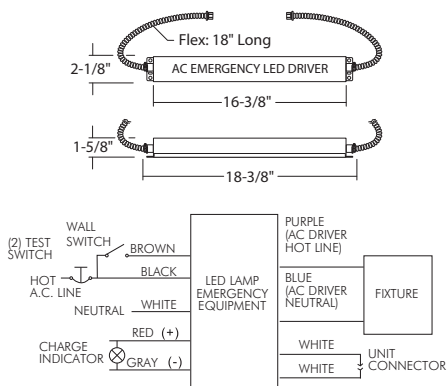
Remote Emergency Back Up (-EMAC):

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.

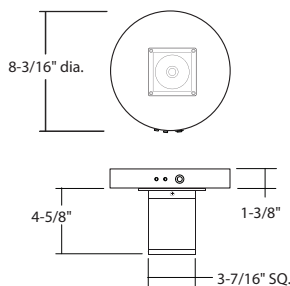
Damp location rated.



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

Emergency Backpack (-EMA):

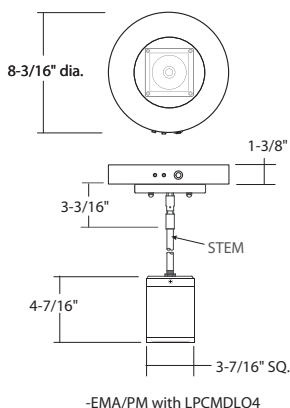
- The Emergency Backpack (-EMA) is 8" square, ceiling mount canopy, including EM components (recessed J-box by others), a test switch and is field installed to the rear of the luminaire.
- Wet location rated
- Covered Ceiling Mount
- 1500lm max.
- For non-emergency fixtures requiring visual continuity use LPCMD7Q-EMA-Blank.



Voltage:	120-277VAC/60Hz
Wattage:	15W
Switching Time:	<1s
Charging Time:	24h
Operating Time:	90 minutes
Minimum Temperature:	-20°C
Maximum Temperature:	45°C
Maximum Lumens:	1500lm

Emergency Backpack (-EMA/PM):

- The Emergency Backpack for Pendant Mount (-EMA/PM) is 8" square, 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
- 1500lm max.
- Covered Ceiling Mount
- For non-emergency fixtures requiring visual continuity use LPCMD7Q-EMA-Blank/PM.



Voltage:	120-277VAC/60Hz
Wattage:	15W
Switching Time:	<1s
Charging Time:	24h
Operating Time:	90 minutes
Minimum Temperature:	-20°C
Maximum Temperature:	45°C
Maximum Lumens:	1500lm

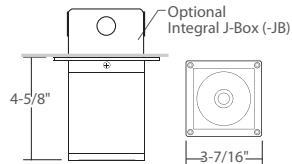
Fixture is not available with a backplate on the Pendant Mount (-EM/PM Version)

SPECIFICATION (Continued)

Additional Options

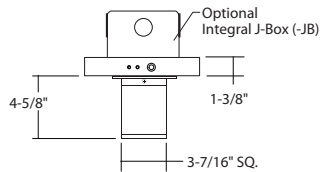
Optional J-Box (Direct Conduit Entry):

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.



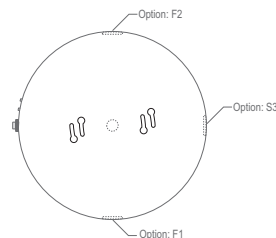
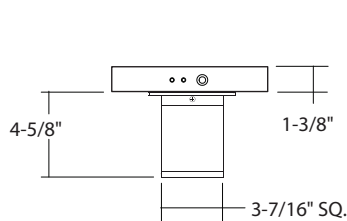
Configure as:

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



Configure as:

-EMA-JB:



Configure as:

-EMA-JB-XX:

Option:	Ø 7/8" Conduit Hole
F1	At any Direction
F1 - F2	Straight Connection
F1 - S3	L Connection
S3	T Connection

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



SPECIFICATION (Continued)

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.

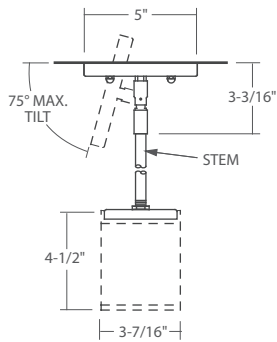
Not a warrantied item.

* Sent separately.

Number of Fixtures Wired in Series per Surge Protector			
Luminaire	Wattage Range (depends on lumen packages)	@120VAC Max. Load = 450W	@120VAC Max. Load = 1000W
DL340/DLQ340/DL340J	10W - 15W	30 - 45	65 - 100
DL360/DLQ360/DL360J	10W - 30W	15 - 45	30 - 100

Pendant Mounting:

See spec sheet [LPCMDLO4](#)
for details and configuration



Configure as:

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

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

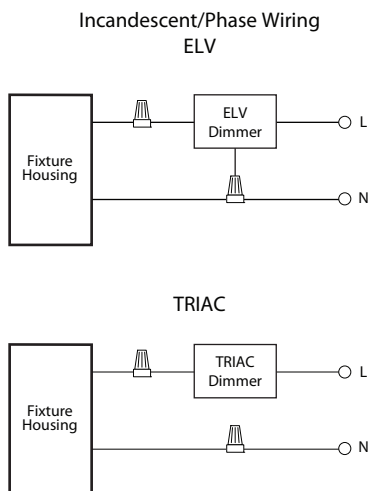
Cold Weather Option: (-CW) -30°C/-22°F

SPECIFICATION (Continued)

Dimming Options

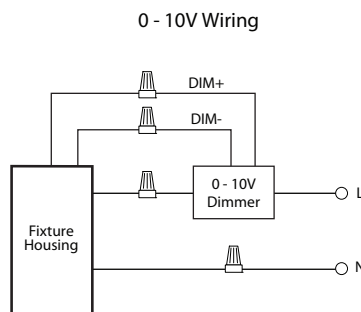
ELV and TRIAC Driver 120V (-DIN):

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.



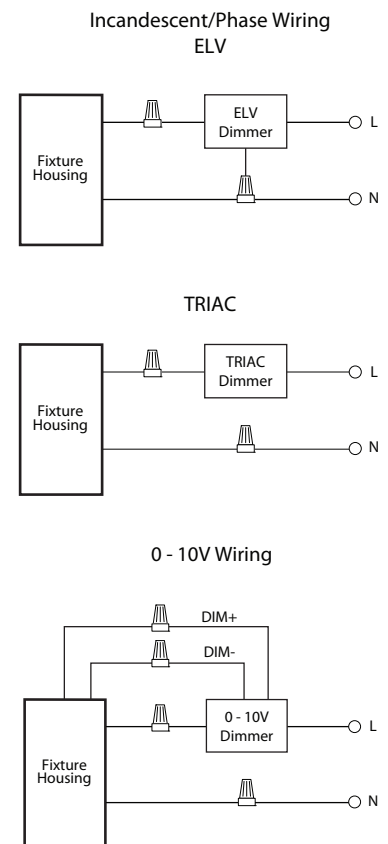
0-10V Driver 120V/277V (UE-D10):

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.



PHOTOMETRY – DLQ340 (L15)

Footcandle Distribution Cone Charts

STANDARD BEAM –
WIDE FLOOD (Blank)

Height	Beam Diameter	Footcandle (FC)*
6.0'	7.9'	31.1
8.0'	10.5'	17.5
10.0'	13.1'	11.2
12.0'	15.8'	7.8
14.0'	18.4'	5.7

*at center of beam

STANDARD BEAM –
NARROW SPOT (-B10)

Height	Beam Diameter	Footcandle (FC)*
6.0'	1.2'	457.1
10.0'	2.0'	164.6
14.0'	2.7'	84.0
18.0'	3.5'	50.8
20.0'	3.9'	41.1

*at center of beam

STANDARD BEAM –
SPOT (-B20)

Height	Beam Diameter	Footcandle (FC)*
6.0'	2.1'	169.5
8.0'	2.8'	95.3
10.0'	3.5'	61.0
12.0'	4.1'	42.4
14.0'	4.8'	31.1

*at center of beam

STANDARD BEAM –
FLOOD (-B45)

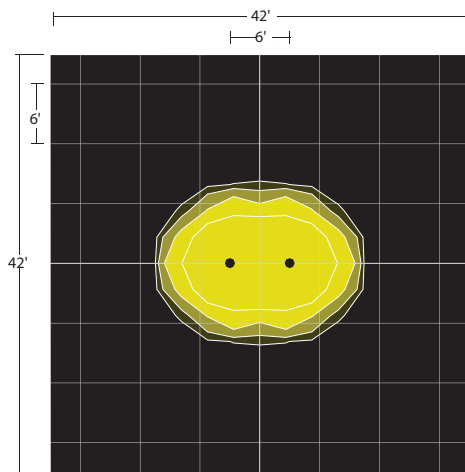
Height	Beam Diameter	Footcandle (FC)*
6.0'	3.8'	74.9
8.0'	5.1'	42.1
10.0'	6.4'	27.0
12.0'	7.6'	18.7
14.0'	8.9'	13.8

*at center of beam

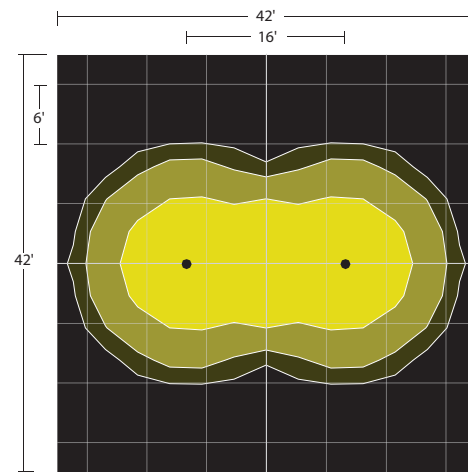
Footcandles On Ground (2 - Fixture Overlap)

5.0 fc 2.0 fc 1.0 fc .5 fc

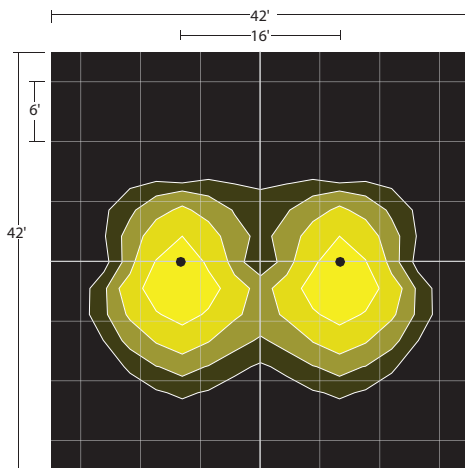
STANDARD BEAM – WIDE FLOOD (Blank)
8' Mounting



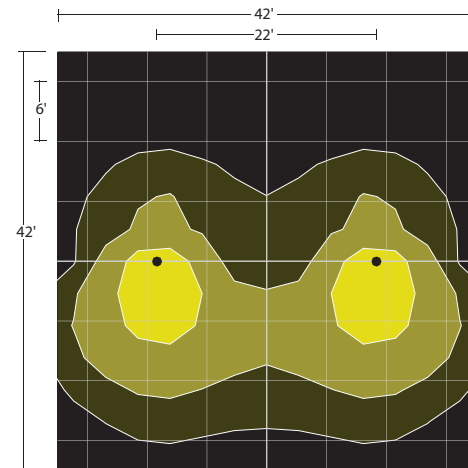
STANDARD BEAM – WIDE FLOOD
16' Mounting



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



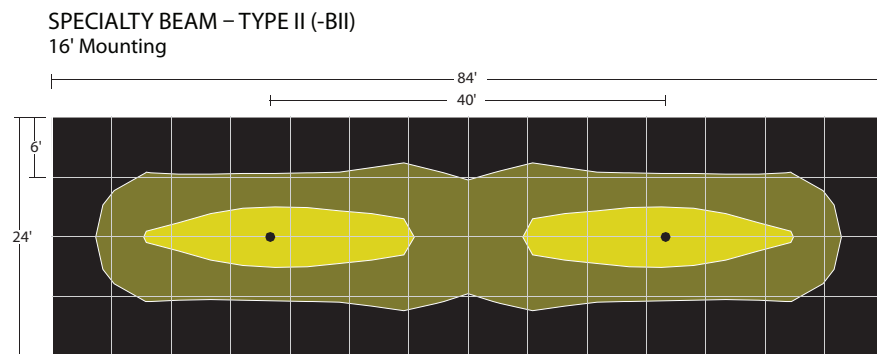
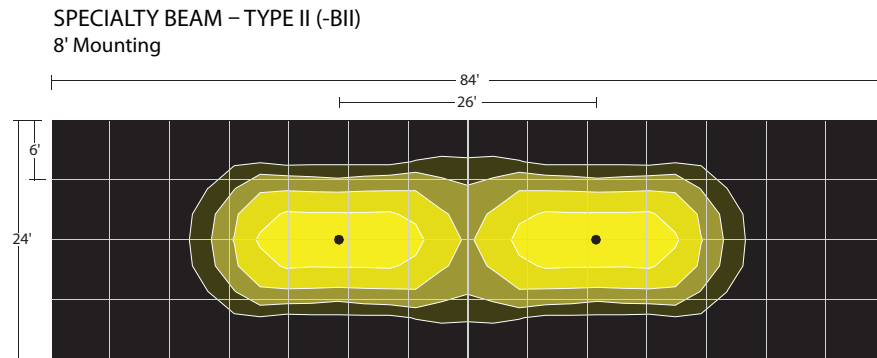
SPECIALTY BEAM – TYPE IV (-BIV)
16' Mounting



PHOTOMETRY – DLQ340 (L15) (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	13.9	Wide Flood	760	55	1008	1	0	0	791	57	1050	1	0	0	802	58	1064	1	0	0	804	58	1066	1	0	0	958	69	1271	1	0	0
		-B02	175	13	567	0	0	0	182	13	590	0	0	0	184	13	598	0	0	0	185	13	600	0	0	0	220	16	715	0	0	0
		-CB20	362	26	839	1	0	0	377	27	874	1	0	0	382	27	886	1	0	0	383	28	888	1	0	0	456	33	1058	1	0	0
		-CB35	458	33	760	1	0	0	476	34	792	1	0	0	483	35	803	1	0	0	484	35	804	1	0	0	577	41	958	1	0	0
		-B10	1061	76	16461	1	0	0	1104	79	17138	1	0	0	1120	81	17378	1	0	0	1122	81	17410	1	0	0	1337	96	20748	1	0	0
		-B20	943	68	6023	1	0	0	981	71	6270	1	0	0	995	72	6358	1	0	0	997	72	6370	1	0	0	1188	85	7591	1	0	0
		-B45	926	67	2344	1	0	0	964	69	2440	1	0	0	977	70	2475	1	0	0	979	70	2479	1	0	0	1167	84	2954	1	0	0
		-BII	854	61	927	1	0	0	889	64	966	1	0	0	901	65	979	1	0	0	903	65	981	1	0	0	1076	77	1169	1	0	0
		-BWW	605	43	713	1	0	0	629	45	743	1	0	0	638	46	753	1	0	0	639	46	754	1	0	0	762	55	899	1	0	0
		-BIV	605	43	713	1	0	0	629	45	743	1	0	0	638	46	753	1	0	0	639	46	754	1	0	0	762	55	899	1	0	0
-L15 (1500 lm)	13.9	Wide Flood	1075	77	789	1	0	0	1119	81	821	1	0	0	1135	82	833	1	0	0	1137	82	835	1	0	0	1355	97	995	1	0	0
		-B02	236	17	429	0	0	0	246	18	447	0	0	0	249	18	453	0	0	0	250	18	454	0	0	0	297	21	541	0	0	0
		-CB20	501	36	655	1	0	0	522	38	682	1	0	0	529	38	691	1	0	0	530	38	693	1	0	0	632	45	825	1	0	0
		-CB35	638	46	594	1	0	0	664	48	619	1	0	0	673	48	627	1	0	0	675	49	628	1	0	0	804	58	749	1	0	0
		-B10	1303	94	11204	1	0	0	1356	98	11665	1	0	0	1375	99	11828	1	0	0	1378	99	11850	1	0	0	1642	118	14122	1	0	0
		-B20	1316	95	4320	1	0	0	1370	99	4498	1	0	0	1389	100	4561	1	0	0	1392	100	4569	1	0	0	1659	119	5445	1	0	0
		-B45	1285	92	2494	1	0	0	1338	96	2597	1	0	0	1356	98	2633	1	0	0	1359	98	2638	1	0	0	1620	117	3144	1	0	0
		-BII	1235	89	754	1	0	0	1286	93	784	1	0	0	1304	94	795	1	0	0	1307	94	797	1	0	0	1557	112	950	1	0	0
		-BWW	842	61	557	1	0	0	877	63	580	1	0	0	889	64	588	1	0	0	891	64	589	1	0	0	1059	76	700	1	0	0
		-BIV	842	61	557	1	0	0	877	63	580	1	0	0	889	64	588	1	0	0	891	64	589	1	0	0	1061	76	702	1	0	0