U.S. ARCHITECTURAL LIGHTING

PROJECT NAME:

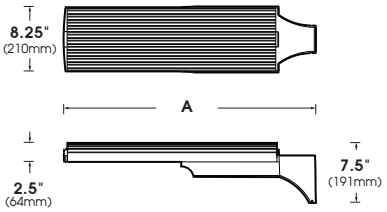
PROJECT TYPE:

PICKLEBALL/TENNIS COURT LIGHTING

BASELINE

BAS

(Models: BAS6, BAS4, BAS2 2-180 & BAS2 2X2-180)



FIXTURE	A
BAS6	54.375" (1381mm)
BAS5	47.3125" (1202mm)
BAS4	40.25" (1022mm)
BAS3	33.1875" (843mm)
BAS2	26.125" (663mm)

Optical Housing
Extruded aluminum (6063-T5 alloy) assembly with integral cooling fins. The Optical Panel mounting surface is extruded flat (surface variance <± .003") to facilitate thermal transfer of heat to the housing and cooling fins. Cooling fins are tapered from bottom to top to promote thermal flow away from the Optical Panel mounting surface. Optical and Electrical Housings are mechanically bonded to form a continuous rigid assembly.

Mounting Arm/Eectrical Housing
Heavy wall cast aluminum (A356 Alloy; 0.2%>copper) housing with hinged cast door. Closure uses two stainless steel captive hex head screws and silicone gasketing. Two mounting holes allow fixture to be bolted to the pole. The top mounting hole and wiring hole are slotted to allow the fixture to be tilted up to 5° along its long axis.

PLED™ Optics
Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. LED optics completely seal each individual emitter to meet an IP66 rating. In asymmetricdistributions, a micro-reflector inside the refractor re-directs the house side emitteroutput towards the street side, maximizing usable light. Optional house side shields are available that cover each individual optic. Refractors are injection molded PMMA acrylic. Each LED refractor is sealed to the PCB over an emitterand all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce standard and specialized site/area distributions. Panels are field replaceable and field rotatable in 90° increments. Quick-disconnects are provided above each panel for fast field replacement. All fixture optical options will provide a "U0" no uplight optical package and are Dark Sky friendly when used with 3000K or warmer LED's.

LED Emitters
LED thermal management is designed to maintain LED operating temperature below 90 °C, well below the manufacturers thermal max of 150°C for long life, high lumen maintenance and color stability. High Power White LED's are driven between 700mA and 1400mA for a maximum output of 4 Watts nominal. LED's are available in standard 2700K, 3000K, 4000K, or 5000K. All Standard LED's have a minimum of 70 CRI. Consult Factory for other LED options. Minimum Lumen Maintenance of L93 at 60,000 hours (TM-21 calculated at 6x Test Time).

LED Driver
Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50,60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field installation.)

Finish
Super TGIC polyester powder coating is applied onto a metal substrate this has been pretreated with a four-stage process for maximum adhesion and color retention. The top coat is baked at 400° F for maximum hardness and exterior durability.

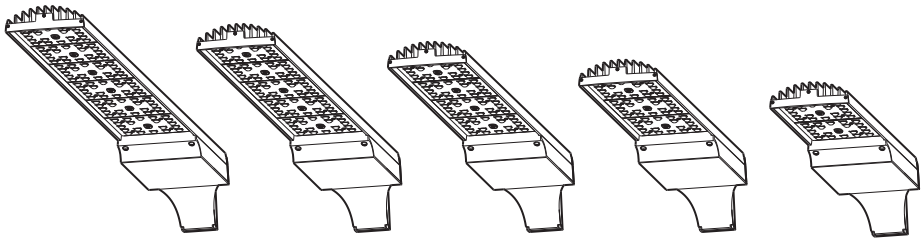
BABA compliant

U.L. Listed for Wet Location

2026028

SPECIFICATIONS

EPA & WEIGHT



BAS6
E.P.A.= 1.17
Max Weight: 48lbs
120 LED Max

BAS5
E.P.A.= 1.05
Max Weight: 43.5lbs
100 LED Max

BAS4
E.P.A.= 0.94
Max Weight: 39lbs
80 LED Max

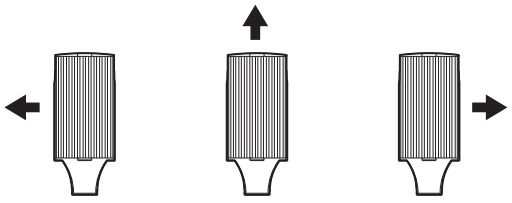
BAS3
E.P.A.= 0.82
Max Weight: 32lbs
60 LED Max

BAS-2
E.P.A.= 0.70
Max Weight: 27.5lbs
40 LED Max

PLED® MODULES

20 LED Module

FACTORY ROTATED OPTICS SCHEMATIC

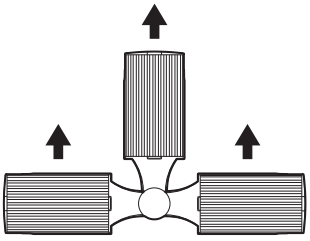


FRO-L
(Optics Rotated Left)

FRO
(Straight)

FRO-R
(Optics Rotated Right)

(Top Down View)



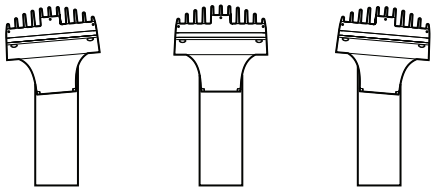
TYPE: FRO-R

TYPE: FRO-L

Example

The rotatability of the PLED® optical module allows the panels to be oriented as a unit changing the direction of the distribution pattern without moving the fixture, or the panels may be rotated individually to allow a single fixture to function like a two fixture array on a pole.

PIVOT TILT FEATURE



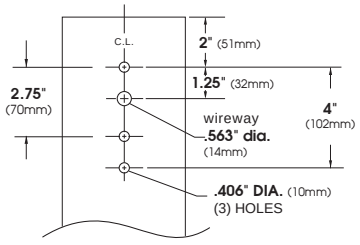
FIXTURE ADJUSTED AT -5°

FIXTURE AT 0°

FIXTURE ADJUSTED AT +5°

Flexibility in Baseline is in the adjustability of the entire luminaire assembly. Accessed inside the electrical/mounting compartment, Baseline may be rotated ± 5° around its center axis.

POLE DRILLING TEMPLATE



ORDERING INFORMATION

Spec/Order Example: BAS4/FRO/PLED-III-W/80LED-700mA/CW/277/RAL-8019-S

Model	Optics	LED Mode	Voltage	Factory Rotated Optics

Model

- ☐ BAS6
- ☐ BAS5
- ☐ BAS4
- ☐ BAS3
- ☐ BAS2

Optics

PLED™ Distribution Type

- ☐ PLED-IV-CL
- ☐ PLED-II-FR
- ☐ PLED-IV
- ☐ PLED-VSQ-N
- ☐ PLED-V-SQ-M

Shield

- ☐ XHS[1]
- ☐ HS-PLED[2]
- ☐ None

LED Mode

# of LEDs	Drive Current	Color Temp - CCT
☐ 120LED	☐ 700mA	☐ 27K (2700K)
☐ 100LED	☐ 875mA	☐ 30K (3000K)
☐ 80LED	☐ 1050mA	☐ 40K (4000K)
☐ 60LED	☐ 1225mA	☐ 50K (5000K)
☐ 40LED	☐ 1400mA	

Voltage

- ☐ UNV (120-277)
- ☐ 347
- ☐ 480

Factory Rotate Optics

- ☐ FRO
- ☐ FRO-R (Rotated Right)
- ☐ FRO-L (Rotated Left)

NOTES:

1 - XHS (extreme shield) available for PLED-IV-CL only.
2 - HS-PLED not available on PLED-IV-CL.
3 - Factory Rotated Optics ships standard as Straight. Option for Right (R) and Left (L). See FRO schematic on previous page for details on Orientation.

Mounting	Finish	Options

Mounting

Arm Mount

- ☐ 1
- ☐ 2-180
- ☐ 3-90
- ☐ 4-90
- ☐ 2x2-180 Internal Mounting Bracket supplied for 18" and 24" vertical separation.
- ☐ 2x2-90 Internal Mounting Bracket supplied for 18" and 24" vertical separation.

Finish

Standard Textured Finish

- ☐ Black **9005-T**
- ☐ White **9003-T**
- ☐ Grey **7004-T**
- ☐ Dark Bronze **8019-T**
- ☐ Green **6005-T**

Premium Finishes

- ☐ Rust
- ☐ Patina **Copper PC**

For Smooth Finish, Replace Suffix "T" With Suffix "S" Example: 9500-S)

Consult Factory for Custom Colors

Options

- ☐ High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HLSW/25) **HLSW**
- ☐ Photo Cell + Voltage (EXAMPLE: PC120V) **PC+V**
- ☐ Twist Lock Photocell +Voltage (Example: TPC480V) **TPC+V**
- ☐ Twist Lock Receptacle only **TPR**
- ☐ 7-Pin Twist Lock Receptacle only **TPR7**
- ☐ Single Fuse (Example: SF347V) **SF+V**
- ☐ Double Fuse (Example: DF480V) **DF+V**
- ☐ Step Dim Motion Sensor **MS-F211**
- ☐ Remote Motion Sensor **MS-FC10**

ELECTRICAL DATA GUIDE - AMPERAGE CHART

ELECTRICAL LOAD			CURRENT (A)				
# of LEDs	mA	System Watts	120V	208V	277V	347V	480V
40	700	86.8	0.72	0.42	0.31	0.25	0.18
40	875	110.8	0.92	0.53	0.40	0.32	0.23
40	1050	134.8	1.12	0.65	0.49	0.39	0.28
40	1225	158.9	1.32	0.76	0.57	0.46	0.33
40	1400	183.1	1.53	0.88	0.66	0.53	0.38
60	700	130.1	1.08	0.63	0.47	0.37	0.27
60	875	166.1	1.38	0.80	0.60	0.48	0.35
60	1050	202.1	1.68	0.97	0.73	0.58	0.42
60	1225	238.4	1.99	1.15	0.86	0.69	0.50
60	1400	274.6	2.29	1.32	0.99	0.79	0.57
80	700	173.5	1.45	0.83	0.63	0.50	0.36
80	875	221.5	1.85	1.06	0.80	0.64	0.46
80	1050	269.5	2.25	1.30	0.97	0.78	0.56
80	1225	317.9	2.65	1.53	1.15	0.92	0.66
80	1400	366.2	3.05	1.76	1.32	1.06	0.76
100	700	216.9	1.81	1.04	0.78	0.63	0.45
100	875	276.9	2.31	1.33	1.00	0.80	0.58
100	1050	336.9	2.81	1.62	1.22	0.97	0.70
100	1225	397.3	3.31	1.91	1.43	1.14	0.83
100	1400	457.7	3.81	2.20	1.65	1.32	0.95
120	700	260.3	2.17	1.25	0.94	0.75	0.54
120	875	332.3	2.77	1.60	1.20	0.96	0.69
120	1050	404.3	3.37	1.94	1.46	1.17	0.84
120	1225	476.8	3.97	2.29	1.72	1.37	0.99
120	1400	550.2	4.59	2.65	1.99	1.59	1.15

PHOTOMETRIC DATA GUIDE - LM-80 LUMEN MAINTENANCE

LED LUMEN MAINTENANCE (350mA to 1050mA)		
LED Life / Operating Hours	Lumen Depreciation	Lumen Depreciation Scale Factor
60,000	L96	0.96x
100,000 (6X LED Test Hrs)	L93	0.93x
150,000 (Theoretical)	L89	0.90x
200,000 (Theoretical)	L86	0.87x

TM-21 6x Test Time Dicatates that L93 > 100,000 Hours.

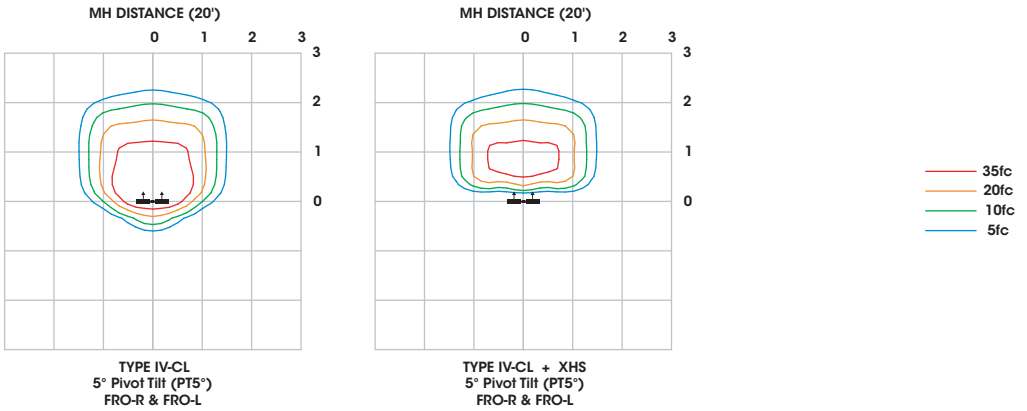
LED LUMEN MAINTENANCE (1225mA & 1400mA)		
LED Life / Operating Hours	Lumen Depreciation	Lumen Depreciation Scale Factor
60,000	L93	0.93x
100,000 (6X LED Test Hrs)	L89	0.89x
150,000 (Theoretical)	L84	0.84x
200,000 (Theoretical)	L80	0.80x

TM-21 6x Test Time Dicatates that L93 > 100,000 Hours.
Lumen Depreciation Calculations Done in Accordance With IESNA TM-21 & LM-80 (25°C Ambient)

PHOTOMETRIC GUIDE - ISOFOOTCANDLE PLOTS

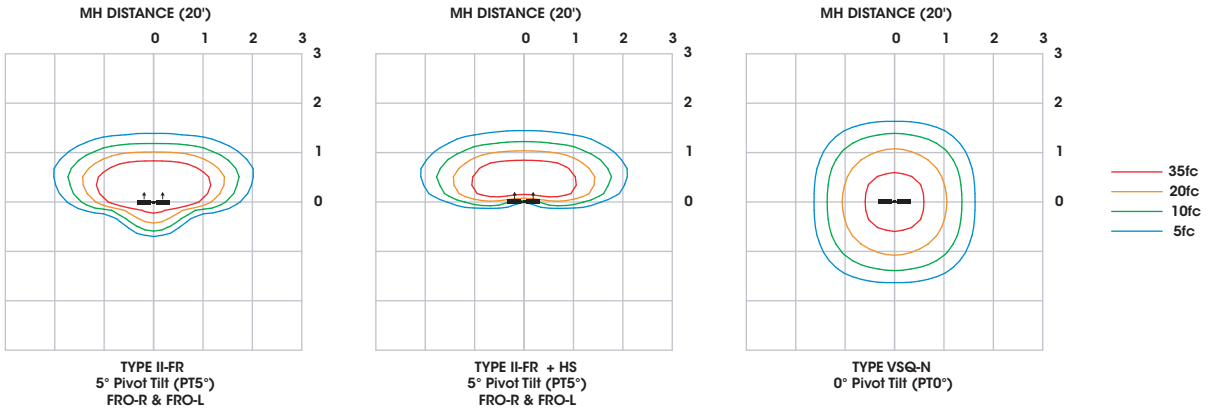
2@180° - BAS4-PLED-80LED-1225mA-40K - PT5° - 20' Mounting Height (Hz FC 3' Above Grade)

Very Short Longitudinal Classification



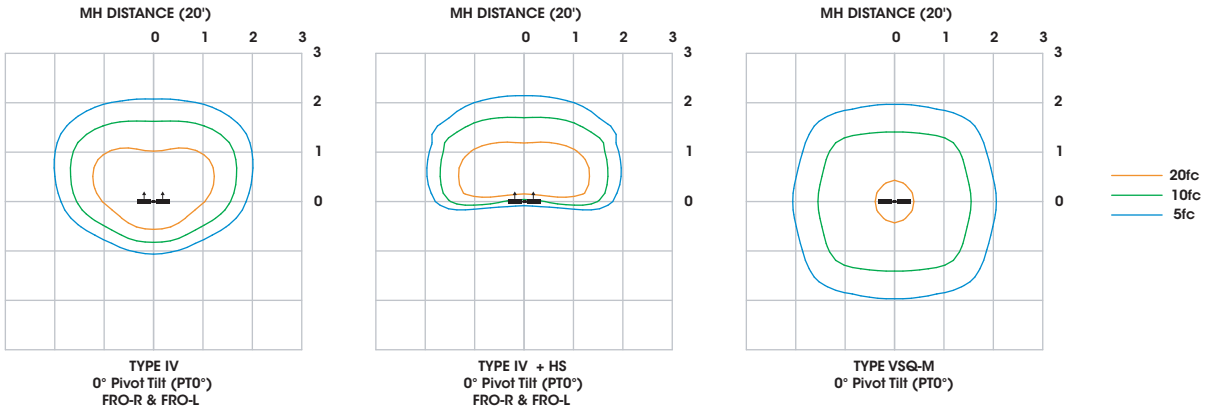
2@180° - BAS4-PLED-80LED-1225mA-40K - PT5°/PT0° - 20' Mounting Height (Hz FC 3' Above Grade)

Very Short Longitudinal Classification



2@180° - BAS4-PLED-80LED-1225mA-40K - PT0° - 20' Mounting Height (Hz FC 3' Above Grade)

Short Longitudinal Classification



IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

PHOTOMETRIC GUIDE - LUMEN TABLES (BAS2)

BAS2-PLED																
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING
40	700	86.8	II-FR	11903	137	B3-U0-G1	12420	143	B3-U0-G1	12938	149	B3-U0-G1	13455	155	B3-U0-G1
			IV	11940	138	B2-U0-G2	12459	144	B2-U0-G2	12978	150	B2-U0-G2	13497	156	B2-U0-G2
			IV-CL	11574	133	B2-U0-G1	12077	139	B2-U0-G2	12580	145	B2-U0-G2	13084	151	B2-U0-G2
			VSQ-M	12237	141	B4-U0-G2	12769	147	B4-U0-G2	13301	153	B4-U0-G2	13833	159	B4-U0-G2
			VSQ-N	12479	144	B3-U0-G1	13022	150	B3-U0-G1	13564	156	B3-U0-G1	14107	163	B3-U0-G1
			II-FR-HS	8797	101	B1-U0-G1	9179	106	B1-U0-G1	9561	110	B1-U0-G1	9944	115	B1-U0-G1
			IV-HS	9036	104	B1-U0-G2	9429	109	B1-U0-G2	9822	113	B1-U0-G2	10215	118	B1-U0-G2
			IV-CL-XHS	7675	88	B0-U0-G1	8009	92	B0-U0-G1	8343	96	B0-U0-G2	8677	100	B0-U0-G2
40	875	110.8	II-FR	14264	129	B3-U0-G1	14884	134	B3-U0-G2	15504	140	B3-U0-G2	16125	146	B3-U0-G2
			IV	14309	129	B2-U0-G2	14931	135	B2-U0-G2	15553	140	B3-U0-G2	16175	146	B3-U0-G2
			IV-CL	13877	125	B3-U0-G2	14481	131	B3-U0-G2	15084	136	B3-U0-G2	15687	142	B3-U0-G2
			VSQ-M	14665	132	B4-U0-G2	15302	138	B4-U0-G2	15940	144	B4-U0-G2	16578	150	B4-U0-G2
			VSQ-N	14955	135	B3-U0-G1	15605	141	B3-U0-G1	16255	147	B4-U0-G1	16905	153	B4-U0-G2
			II-FR-HS	10541	95	B1-U0-G1	10999	99	B1-U0-G1	11458	103	B1-U0-G2	11916	108	B1-U0-G2
			IV-HS	10828	98	B1-U0-G2	11299	102	B1-U0-G2	11770	106	B1-U0-G2	12241	110	B1-U0-G2
			IV-CL-XHS	9203	83	B0-U0-G2	9603	87	B0-U0-G2	10003	90	B0-U0-G2	10404	94	B0-U0-G2
40	1050	134.8	II-FR	16228	120	B3-U0-G2	16934	126	B3-U0-G2	17639	131	B3-U0-G2	18345	136	B3-U0-G2
			IV	16279	121	B3-U0-G3	16987	126	B3-U0-G3	17694	131	B3-U0-G3	18402	137	B3-U0-G3
			IV-CL	15781	117	B3-U0-G2	16467	122	B3-U0-G2	17153	127	B3-U0-G2	17839	132	B3-U0-G2
			VSQ-M	16684	124	B4-U0-G2	17410	129	B4-U0-G2	18135	135	B4-U0-G2	18861	140	B4-U0-G2
			VSQ-N	17014	126	B4-U0-G2	17754	132	B4-U0-G2	18494	137	B4-U0-G2	19233	143	B4-U0-G2
			II-FR-HS	11993	89	B1-U0-G2	12514	93	B1-U0-G2	13035	97	B1-U0-G2	13557	101	B1-U0-G2
			IV-HS	12319	91	B1-U0-G2	12855	95	B1-U0-G2	13391	99	B1-U0-G3	13926	103	B1-U0-G3
			IV-CL-XHS	10465	78	B0-U0-G2	10921	81	B0-U0-G2	11376	84	B0-U0-G2	11831	88	B0-U0-G2
40	1225	158.9	II-FR	18060	114	B3-U0-G2	18845	119	B3-U0-G2	19631	124	B3-U0-G2	20416	128	B3-U0-G2
			IV	18117	114	B3-U0-G3	18904	119	B3-U0-G3	19692	124	B3-U0-G3	20480	129	B3-U0-G3
			IV-CL	17570	111	B3-U0-G2	18334	115	B3-U0-G2	19098	120	B3-U0-G2	19862	125	B3-U0-G2
			VSQ-M	18568	117	B4-U0-G2	19375	122	B4-U0-G2	20183	127	B4-U0-G2	20990	132	B4-U0-G2
			VSQ-N	18935	119	B4-U0-G2	19758	124	B4-U0-G2	20582	130	B4-U0-G2	21405	135	B4-U0-G2
			II-FR-HS	13347	84	B1-U0-G2	13927	88	B1-U0-G2	14508	91	B1-U0-G2	15088	95	B1-U0-G2
			IV-HS	13711	86	B1-U0-G3	14307	90	B1-U0-G3	14903	94	B1-U0-G3	15499	98	B1-U0-G3
			IV-CL-XHS	11652	73	B0-U0-G2	12159	77	B0-U0-G2	12665	80	B0-U0-G2	13172	83	B0-U0-G2
40	1400	183.1	II-FR	19572	107	B3-U0-G2	20423	112	B3-U0-G2	21274	116	B3-U0-G2	22125	121	B3-U0-G2
			IV	19633	107	B3-U0-G3	20487	112	B3-U0-G3	21341	117	B3-U0-G3	22194	121	B3-U0-G3
			IV-CL	19036	104	B3-U0-G2	19863	108	B3-U0-G2	20691	113	B3-U0-G2	21519	118	B3-U0-G2
			VSQ-M	20122	110	B4-U0-G2	20997	115	B4-U0-G2	21872	119	B5-U0-G3	22747	124	B5-U0-G3
			VSQ-N	20520	112	B4-U0-G2	21412	117	B4-U0-G2	22304	122	B4-U0-G2	23196	127	B4-U0-G2
			II-FR-HS	14464	79	B1-U0-G2	15093	82	B1-U0-G2	15722	86	B1-U0-G2	16351	89	B1-U0-G2
			IV-HS	14858	81	B1-U0-G3	15504	85	B1-U0-G3	16150	88	B1-U0-G3	16796	92	B1-U0-G3
			IV-CL-XHS	12624	69	B0-U0-G2	13173	72	B0-U0-G2	13722	75	B0-U0-G2	14271	78	B0-U0-G2

IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

PHOTOMETRIC GUIDE - LUMEN TABLES (BAS3)

BAS3-PLED																
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING
60	700	130.1	II-FR	17301	133	B3-U0-G2	18053	139	B3-U0-G2	18805	145	B3-U0-G2	19557	150	B3-U0-G2
			IV	17355	133	B3-U0-G3	18109	139	B3-U0-G3	18864	145	B3-U0-G3	19618	151	B3-U0-G3
			IV-CL	17361	133	B3-U0-G2	18116	139	B3-U0-G2	18870	145	B3-U0-G2	19625	151	B3-U0-G2
			VSQ-M	17787	137	B4-U0-G2	18560	143	B4-U0-G2	19334	149	B4-U0-G2	20107	155	B4-U0-G2
			VSQ-N	18138	139	B4-U0-G2	18927	145	B4-U0-G2	19716	152	B4-U0-G2	20504	158	B4-U0-G2
			II-FR-HS	12785	98	B1-U0-G2	13341	103	B1-U0-G2	13896	107	B1-U0-G2	14452	111	B1-U0-G2
			IV-HS	13134	101	B1-U0-G3	13705	105	B1-U0-G3	14275	110	B1-U0-G3	14846	114	B1-U0-G3
			IV-CL-XHS	11513	88	B0-U0-G2	12014	92	B0-U0-G2	12515	96	B0-U0-G2	13015	100	B0-U0-G2
60	875	166.1	II-FR	20733	125	B3-U0-G2	21634	130	B3-U0-G2	22535	136	B3-U0-G2	23437	141	B3-U0-G2
			IV	20797	125	B3-U0-G3	21701	131	B3-U0-G3	22606	136	B3-U0-G3	23510	142	B3-U0-G3
			IV-CL	20816	125	B3-U0-G2	21721	131	B3-U0-G2	22626	136	B3-U0-G2	23531	142	B3-U0-G2
			VSQ-M	21315	128	B5-U0-G3	22242	134	B5-U0-G3	23169	139	B5-U0-G3	24095	145	B5-U0-G3
			VSQ-N	21736	131	B4-U0-G2	22682	137	B4-U0-G2	23627	142	B4-U0-G2	24572	148	B4-U0-G2
			II-FR-HS	15321	92	B1-U0-G2	15987	96	B1-U0-G2	16653	100	B1-U0-G2	17319	104	B1-U0-G2
			IV-HS	15739	95	B1-U0-G3	16423	99	B1-U0-G3	17107	103	B1-U0-G3	17791	107	B1-U0-G3
			IV-CL-XHS	13805	83	B0-U0-G2	14405	87	B0-U0-G2	15005	90	B0-U0-G2	15605	94	B0-U0-G2
60	1050	202.1	II-FR	23587	117	B3-U0-G2	24613	122	B3-U0-G2	25638	127	B3-U0-G2	26664	132	B3-U0-G2
			IV	23661	117	B3-U0-G3	24690	122	B3-U0-G4	25719	127	B3-U0-G4	26747	132	B3-U0-G4
			IV-CL	23671	117	B3-U0-G2	24700	122	B3-U0-G2	25730	127	B3-U0-G2	26759	132	B3-U0-G2
			VSQ-M	24250	120	B5-U0-G3	25305	125	B5-U0-G3	26359	130	B5-U0-G3	27413	136	B5-U0-G3
			VSQ-N	24730	122	B4-U0-G2	25805	128	B4-U0-G2	26880	133	B5-U0-G2	27956	138	B5-U0-G2
			II-FR-HS	17431	86	B1-U0-G2	18189	90	B1-U0-G2	18946	94	B1-U0-G2	19704	97	B1-U0-G2
			IV-HS	17906	89	B1-U0-G3	18684	92	B1-U0-G3	19463	96	B1-U0-G4	20241	100	B1-U0-G4
			IV-CL-XHS	15698	78	B0-U0-G2	16381	81	B1-U0-G2	17063	84	B1-U0-G2	17746	88	B1-U0-G2
60	1225	238.4	II-FR	26251	110	B3-U0-G2	27392	115	B3-U0-G2	28533	120	B4-U0-G2	29674	124	B4-U0-G2
			IV	26332	110	B3-U0-G4	27477	115	B3-U0-G4	28622	120	B3-U0-G4	29767	125	B3-U0-G4
			IV-CL	26355	111	B3-U0-G2	27501	115	B3-U0-G2	28647	120	B3-U0-G2	29793	125	B3-U0-G2
			VSQ-M	26989	113	B5-U0-G3	28162	118	B5-U0-G3	29335	123	B5-U0-G3	30509	128	B5-U0-G3
			VSQ-N	27522	115	B5-U0-G2	28718	120	B5-U0-G2	29915	125	B5-U0-G2	31111	131	B5-U0-G2
			II-FR-HS	19398	81	B1-U0-G2	20242	85	B1-U0-G2	21085	88	B1-U0-G2	21929	92	B1-U0-G2
			IV-HS	19927	84	B1-U0-G4	20794	87	B1-U0-G4	21660	91	B1-U0-G4	22527	94	B1-U0-G4
			IV-CL-XHS	17478	73	B1-U0-G2	18238	77	B1-U0-G2	18998	80	B1-U0-G2	19758	83	B1-U0-G2
60	1400	274.6	II-FR	28448	104	B4-U0-G2	29684	108	B4-U0-G2	30921	113	B4-U0-G2	32158	117	B4-U0-G2
			IV	28536	104	B3-U0-G4	29777	108	B3-U0-G4	31018	113	B4-U0-G4	32258	117	B4-U0-G4
			IV-CL	28554	104	B3-U0-G2	29795	109	B3-U0-G2	31037	113	B3-U0-G2	32278	118	B3-U0-G2
			VSQ-M	29247	107	B5-U0-G3	30519	111	B5-U0-G3	31790	116	B5-U0-G4	33062	120	B5-U0-G4
			VSQ-N	29825	109	B5-U0-G2	31122	113	B5-U0-G2	32419	118	B5-U0-G2	33715	123	B5-U0-G2
			II-FR-HS	21022	77	B1-U0-G2	21937	80	B1-U0-G2	22850	83	B1-U0-G2	23764	87	B1-U0-G2
			IV-HS	21595	79	B1-U0-G4	22535	82	B1-U0-G4	23473	85	B1-U0-G4	24412	89	B1-U0-G4
			IV-CL-XHS	18936	69	B1-U0-G2	19760	72	B1-U0-G2	20583	75	B1-U0-G2	21406	78	B1-U0-G2

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PHOTOMETRIC GUIDE - LUMEN TABLES (BAS4)

BAS4-PLED																
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING
80	700	173.5	II-FR	23068	133	B3-U0-G2	24070	139	B3-U0-G2	25073	145	B3-U0-G2	26076	150	B3-U0-G2
			IV	23139	133	B3-U0-G3	24145	139	B3-U0-G3	25152	145	B3-U0-G4	26158	151	B3-U0-G4
			IV-CL	23159	133	B3-U0-G2	24166	139	B3-U0-G2	25173	145	B3-U0-G2	26180	151	B3-U0-G2
			VSQ-M	23716	137	B5-U0-G3	24747	143	B5-U0-G3	25778	149	B5-U0-G3	26809	155	B5-U0-G3
			VSQ-N	24184	139	B4-U0-G2	25236	145	B4-U0-G2	26287	152	B4-U0-G2	27339	158	B5-U0-G2
			II-FR-HS	17046	98	B1-U0-G2	17788	103	B1-U0-G2	18529	107	B1-U0-G2	19270	111	B1-U0-G2
			IV-HS	17511	101	B1-U0-G3	18272	105	B1-U0-G3	19034	110	B1-U0-G3	19795	114	B1-U0-G4
			IV-CL-XHS	15359	89	B0-U0-G2	16026	92	B1-U0-G2	16694	96	B1-U0-G2	17362	100	B1-U0-G2
80	875	221.5	II-FR	27643	125	B3-U0-G2	28845	130	B4-U0-G2	30047	136	B4-U0-G2	31249	141	B4-U0-G2
			IV	27729	125	B3-U0-G4	28935	131	B3-U0-G4	30141	136	B3-U0-G4	31346	142	B4-U0-G4
			IV-CL	27768	125	B3-U0-G2	28975	131	B3-U0-G2	30183	136	B3-U0-G2	31390	142	B3-U0-G2
			VSQ-M	28420	128	B5-U0-G3	29656	134	B5-U0-G3	30892	139	B5-U0-G3	32128	145	B5-U0-G4
			VSQ-N	28982	131	B5-U0-G2	30242	137	B5-U0-G2	31502	142	B5-U0-G2	32762	148	B5-U0-G2
			II-FR-HS	20428	92	B1-U0-G2	21316	96	B1-U0-G2	22204	100	B1-U0-G2	23092	104	B1-U0-G2
			IV-HS	20985	95	B1-U0-G4	21897	99	B1-U0-G4	22810	103	B1-U0-G4	23722	107	B1-U0-G4
			IV-CL-XHS	18415	83	B1-U0-G2	19216	87	B1-U0-G2	20017	90	B1-U0-G2	20817	94	B1-U0-G2
80	1050	269.5	II-FR	31450	117	B4-U0-G2	32817	122	B4-U0-G2	34185	127	B4-U0-G2	35552	132	B4-U0-G2
			IV	31548	117	B4-U0-G4	32920	122	B4-U0-G4	34291	127	B4-U0-G4	35663	132	B4-U0-G4
			IV-CL	31577	117	B3-U0-G2	32950	122	B3-U0-G2	34323	127	B4-U0-G3	35696	132	B4-U0-G3
			VSQ-M	32334	120	B5-U0-G4	33740	125	B5-U0-G4	35145	130	B5-U0-G4	36551	136	B5-U0-G4
			VSQ-N	32973	122	B5-U0-G2	34406	128	B5-U0-G2	35840	133	B5-U0-G2	37274	138	B5-U0-G2
			II-FR-HS	23241	86	B1-U0-G2	24251	90	B1-U0-G2	25262	94	B1-U0-G2	26272	97	B2-U0-G2
			IV-HS	23874	89	B1-U0-G4	24913	92	B1-U0-G4	25950	96	B1-U0-G4	26988	100	B1-U0-G4
			IV-CL-XHS	20941	78	B1-U0-G2	21852	81	B1-U0-G2	22762	84	B1-U0-G3	23673	88	B1-U0-G3
80	1225	317.9	II-FR	35001	110	B4-U0-G2	36523	115	B4-U0-G2	38044	120	B4-U0-G2	39566	124	B4-U0-G2
			IV	35110	110	B4-U0-G4	36636	115	B4-U0-G4	38163	120	B4-U0-G4	39689	125	B4-U0-G5
			IV-CL	35158	111	B4-U0-G3	36686	115	B4-U0-G3	38215	120	B4-U0-G3	39744	125	B4-U0-G3
			VSQ-M	35985	113	B5-U0-G4	37549	118	B5-U0-G4	39114	123	B5-U0-G4	40678	128	B5-U0-G4
			VSQ-N	36696	115	B5-U0-G2	38291	120	B5-U0-G2	39887	125	B5-U0-G2	41482	130	B5-U0-G2
			II-FR-HS	25865	81	B2-U0-G2	26989	85	B2-U0-G2	28114	88	B2-U0-G2	29239	92	B2-U0-G2
			IV-HS	26570	84	B1-U0-G4	27725	87	B1-U0-G4	28881	91	B1-U0-G4	30036	94	B1-U0-G4
			IV-CL-XHS	23316	73	B1-U0-G3	24330	77	B1-U0-G3	25344	80	B1-U0-G3	26357	83	B1-U0-G3
80	1400	366.2	II-FR	37930	104	B4-U0-G2	39579	108	B4-U0-G2	41228	113	B4-U0-G3	42877	117	B4-U0-G3
			IV	38048	104	B4-U0-G4	39703	108	B4-U0-G5	41357	113	B4-U0-G5	43011	117	B4-U0-G5
			IV-CL	38091	104	B4-U0-G3	39747	109	B4-U0-G3	41403	113	B4-U0-G3	43059	118	B4-U0-G3
			VSQ-M	38996	106	B5-U0-G4	40692	111	B5-U0-G4	42387	116	B5-U0-G4	44082	120	B5-U0-G4
			VSQ-N	39767	109	B5-U0-G2	41496	113	B5-U0-G2	43225	118	B5-U0-G2	44954	123	B5-U0-G2
			II-FR-HS	28030	77	B2-U0-G2	29248	80	B2-U0-G2	30467	83	B2-U0-G2	31686	87	B2-U0-G3
			IV-HS	28794	79	B1-U0-G4	30046	82	B1-U0-G4	31298	85	B1-U0-G5	32550	89	B1-U0-G5
			IV-CL-XHS	25261	69	B1-U0-G3	26359	72	B1-U0-G3	27458	75	B1-U0-G3	28556	78	B1-U0-G3

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PHOTOMETRIC GUIDE - LUMEN TABLES (BAS5)

BAS5-PLED																
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING
100	700	216.9	II-FR	28834	133	B4-U0-G2	30088	139	B4-U0-G2	31342	144	B4-U0-G2	32595	150	B4-U0-G2
			IV	28924	133	B3-U0-G4	30182	139	B3-U0-G4	31439	145	B4-U0-G4	32697	151	B4-U0-G4
			IV-CL	28934	133	B3-U0-G2	30192	139	B3-U0-G2	31450	145	B3-U0-G2	32708	151	B3-U0-G2
			VSQ-M	29645	137	B5-U0-G3	30934	143	B5-U0-G3	32223	149	B5-U0-G4	33512	155	B5-U0-G4
			VSQ-N	30230	139	B5-U0-G2	31544	145	B5-U0-G2	32859	151	B5-U0-G2	34173	158	B5-U0-G2
			II-FR-HS	21308	98	B1-U0-G2	22235	103	B1-U0-G2	23161	107	B1-U0-G2	24087	111	B1-U0-G2
			IV-HS	21889	101	B1-U0-G4	22841	105	B1-U0-G4	23792	110	B1-U0-G4	24744	114	B1-U0-G4
			IV-CL-XHS	19188	88	B1-U0-G2	20023	92	B1-U0-G2	20857	96	B1-U0-G2	21691	100	B1-U0-G2
100	875	276.9	II-FR	34554	125	B4-U0-G2	36057	130	B4-U0-G2	37559	136	B4-U0-G2	39061	141	B4-U0-G2
			IV	34662	125	B4-U0-G4	36169	131	B4-U0-G4	37676	136	B4-U0-G4	39183	142	B4-U0-G5
			IV-CL	34693	125	B4-U0-G3	36201	131	B4-U0-G3	37709	136	B4-U0-G3	39218	142	B4-U0-G3
			VSQ-M	35526	128	B5-U0-G4	37070	134	B5-U0-G4	38615	139	B5-U0-G4	40160	145	B5-U0-G4
			VSQ-N	36227	131	B5-U0-G2	37802	137	B5-U0-G2	39377	142	B5-U0-G2	40952	148	B5-U0-G2
			II-FR-HS	25535	92	B2-U0-G2	26645	96	B2-U0-G2	27755	100	B2-U0-G2	28865	104	B2-U0-G2
			IV-HS	26231	95	B1-U0-G4	27372	99	B1-U0-G4	28512	103	B1-U0-G4	29653	107	B1-U0-G4
			IV-CL-XHS	23007	83	B1-U0-G3	24008	87	B1-U0-G3	25008	90	B1-U0-G3	26008	94	B1-U0-G3
100	1050	336.9	II-FR	39312	117	B4-U0-G2	41022	122	B4-U0-G3	42731	127	B4-U0-G3	44440	132	B4-U0-G3
			IV	39435	117	B4-U0-G5	41149	122	B4-U0-G5	42864	127	B4-U0-G5	44579	132	B4-U0-G5
			IV-CL	39452	117	B4-U0-G3	41167	122	B4-U0-G3	42882	127	B4-U0-G3	44597	132	B4-U0-G3
			VSQ-M	40417	120	B5-U0-G4	42175	125	B5-U0-G4	43932	130	B5-U0-G4	45689	136	B5-U0-G4
			VSQ-N	41217	122	B5-U0-G2	43008	128	B5-U0-G2	44800	133	B5-U0-G2	46593	138	B5-U0-G2
			II-FR-HS	29051	86	B2-U0-G2	30314	90	B2-U0-G2	31577	94	B2-U0-G3	32840	97	B2-U0-G3
			IV-HS	29843	89	B1-U0-G4	31141	92	B1-U0-G5	32438	96	B1-U0-G5	33735	100	B2-U0-G5
			IV-CL-XHS	26163	78	B1-U0-G3	27301	81	B1-U0-G3	28438	84	B1-U0-G3	29576	88	B1-U0-G3
100	1225	397.3	II-FR	43751	110	B4-U0-G3	45653	115	B4-U0-G3	47555	120	B4-U0-G3	49458	124	B4-U0-G3
			IV	43887	110	B4-U0-G5	45795	115	B4-U0-G5	47704	120	B4-U0-G5	49612	125	B4-U0-G5
			IV-CL	43925	111	B4-U0-G3	45835	115	B4-U0-G3	47744	120	B4-U0-G3	49654	125	B4-U0-G3
			VSQ-M	44980	113	B5-U0-G4	46936	118	B5-U0-G4	48892	123	B5-U0-G4	50847	128	B5-U0-G5
			VSQ-N	45869	115	B5-U0-G2	47864	120	B5-U0-G3	49858	125	B5-U0-G3	51852	131	B5-U0-G3
			II-FR-HS	32331	81	B2-U0-G3	33737	85	B2-U0-G3	35143	88	B2-U0-G3	36549	92	B2-U0-G3
			IV-HS	33213	84	B1-U0-G5	34657	87	B2-U0-G5	36101	91	B2-U0-G5	37545	95	B2-U0-G5
			IV-CL-XHS	29130	73	B1-U0-G3	30397	77	B1-U0-G3	31663	80	B1-U0-G3	32930	83	B1-U0-G3
100	1400	457.7	II-FR	47412	104	B4-U0-G3	49474	108	B4-U0-G3	51535	113	B4-U0-G3	53597	117	B4-U0-G3
			IV	47560	104	B4-U0-G5	49628	108	B4-U0-G5	51696	113	B5-U0-G5	53764	117	B5-U0-G5
			IV-CL	47589	104	B4-U0-G3	49659	108	B4-U0-G3	51728	113	B4-U0-G4	53797	118	B4-U0-G4
			VSQ-M	48745	107	B5-U0-G4	50864	111	B5-U0-G5	52984	116	B5-U0-G5	55103	120	B5-U0-G5
			VSQ-N	49708	109	B5-U0-G3	51870	113	B5-U0-G3	54031	118	B5-U0-G3	56192	123	B5-U0-G3
			II-FR-HS	35037	77	B2-U0-G3	36561	80	B2-U0-G3	38084	83	B2-U0-G3	39607	87	B2-U0-G3
			IV-HS	35993	79	B2-U0-G5	37558	82	B2-U0-G5	39122	85	B2-U0-G5	40687	89	B2-U0-G5
			IV-CL-XHS	31560	69	B1-U0-G3	32932	72	B1-U0-G3	34305	75	B1-U0-G4	35677	78	B1-U0-G4

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PHOTOMETRIC GUIDE - LUMEN TABLES (BAS6)

BAS6-PLED																
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING
120	700	260.3	II-FR	34601	133	B4-U0-G2	36106	139	B4-U0-G2	37610	144	B4-U0-G2	39114	150	B4-U0-G2
			IV	34709	133	B4-U0-G4	36218	139	B4-U0-G4	37727	145	B4-U0-G4	39236	151	B4-U0-G5
			IV-CL	34722	133	B4-U0-G3	36231	139	B4-U0-G3	37741	145	B4-U0-G3	39250	151	B4-U0-G3
			VSQ-M	35574	137	B5-U0-G4	37120	143	B5-U0-G4	38667	149	B5-U0-G4	40214	154	B5-U0-G4
			VSQ-N	36277	139	B5-U0-G2	37854	145	B5-U0-G2	39431	151	B5-U0-G2	41008	158	B5-U0-G2
			II-FR-HS	25569	98	B2-U0-G2	26681	103	B2-U0-G2	27793	107	B2-U0-G2	28905	111	B2-U0-G2
			IV-HS	26267	101	B1-U0-G4	27409	105	B1-U0-G4	28551	110	B1-U0-G4	29693	114	B1-U0-G4
			IV-CL-XHS	23027	88	B1-U0-G3	24028	92	B1-U0-G3	25029	96	B1-U0-G3	26030	100	B1-U0-G3
120	875	332.3	II-FR	41465	125	B4-U0-G3	43268	130	B4-U0-G3	45071	136	B4-U0-G3	46874	141	B4-U0-G3
			IV	41594	125	B4-U0-G5	43402	131	B4-U0-G5	45211	136	B4-U0-G5	47020	141	B4-U0-G5
			IV-CL	41632	125	B4-U0-G3	43442	131	B4-U0-G3	45252	136	B4-U0-G3	47062	142	B4-U0-G3
			VSQ-M	42631	128	B5-U0-G4	44484	134	B5-U0-G4	46338	139	B5-U0-G4	48191	145	B5-U0-G4
			VSQ-N	43473	131	B5-U0-G2	45363	137	B5-U0-G2	47253	142	B5-U0-G3	49143	148	B5-U0-G3
			II-FR-HS	30642	92	B2-U0-G2	31974	96	B2-U0-G3	33306	100	B2-U0-G3	34639	104	B2-U0-G3
			IV-HS	31477	95	B1-U0-G5	32846	99	B1-U0-G5	34214	103	B2-U0-G5	35583	107	B2-U0-G5
			IV-CL-XHS	27609	83	B1-U0-G3	28810	87	B1-U0-G3	30010	90	B1-U0-G3	31210	94	B1-U0-G3
120	1050	404.3	II-FR	47175	117	B4-U0-G3	49226	122	B4-U0-G3	51277	127	B4-U0-G3	53328	132	B4-U0-G3
			IV	47322	117	B4-U0-G5	49379	122	B4-U0-G5	51437	127	B4-U0-G5	53494	132	B5-U0-G5
			IV-CL	47342	117	B4-U0-G3	49401	122	B4-U0-G3	51459	127	B4-U0-G4	53517	132	B4-U0-G4
			VSQ-M	48501	120	B5-U0-G4	50609	125	B5-U0-G4	52718	130	B5-U0-G5	54827	136	B5-U0-G5
			VSQ-N	49459	122	B5-U0-G3	51610	128	B5-U0-G3	53760	133	B5-U0-G3	55911	138	B5-U0-G3
			II-FR-HS	34861	86	B2-U0-G3	36377	90	B2-U0-G3	37893	94	B2-U0-G3	39408	97	B2-U0-G3
			IV-HS	35812	89	B2-U0-G5	37368	92	B2-U0-G5	38926	96	B2-U0-G5	40483	100	B2-U0-G5
			IV-CL-XHS	31396	78	B1-U0-G3	32761	81	B1-U0-G3	34127	84	B1-U0-G4	35492	88	B1-U0-G4
120	1225	476.8	II-FR	52501	110	B4-U0-G3	54784	115	B4-U0-G3	57067	120	B5-U0-G3	59349	124	B5-U0-G3
			IV	52665	110	B5-U0-G5	54954	115	B5-U0-G5	57244	120	B5-U0-G5	59534	125	B5-U0-G5
			IV-CL	52710	111	B4-U0-G4	55002	115	B4-U0-G4	57294	120	B4-U0-G4	59586	125	B4-U0-G4
			VSQ-M	53977	113	B5-U0-G5	56324	118	B5-U0-G5	58670	123	B5-U0-G5	61017	128	B5-U0-G5
			VSQ-N	55043	115	B5-U0-G3	57436	120	B5-U0-G3	59830	125	B5-U0-G3	62223	131	B5-U0-G3
			II-FR-HS	38797	81	B2-U0-G3	40484	85	B2-U0-G3	42171	88	B2-U0-G3	43858	92	B2-U0-G3
			IV-HS	39855	84	B2-U0-G5	41588	87	B2-U0-G5	43321	91	B2-U0-G5	45054	94	B2-U0-G5
			IV-CL-XHS	34957	73	B1-U0-G4	36476	77	B1-U0-G4	37996	80	B1-U0-G4	39516	83	B1-U0-G4
120	1400	550.2	II-FR	56895	103	B5-U0-G3	59369	108	B5-U0-G3	61842	112	B5-U0-G4	64316	117	B5-U0-G4
			IV	57073	104	B5-U0-G5	59554	108	B5-U0-G5	62036	113	B5-U0-G5	64517	117	B5-U0-G5
			IV-CL	57108	104	B4-U0-G4	59591	108	B4-U0-G4	62074	113	B4-U0-G4	64557	117	B4-U0-G4
			VSQ-M	58495	106	B5-U0-G5	61038	111	B5-U0-G5	63581	116	B5-U0-G5	66124	120	B5-U0-G5
			VSQ-N	59650	108	B5-U0-G3	62244	113	B5-U0-G3	64837	118	B5-U0-G3	67431	123	B5-U0-G3
			II-FR-HS	42045	76	B2-U0-G3	43873	80	B2-U0-G3	45701	83	B2-U0-G3	47529	86	B2-U0-G4
			IV-HS	43191	79	B2-U0-G5	45069	82	B2-U0-G5	46947	85	B2-U0-G5	48825	89	B2-U0-G5
			IV-CL-XHS	37873	69	B1-U0-G4	39519	72	B1-U0-G4	41166	75	B1-U0-G4	42813	78	B1-U0-G4

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