

AREA & ROADWAY LIGHTING



Luminaire

Heavy cast low copper aluminum assembly (A356 alloy, <0.2% copper). Housing attaches to pole via a one piece, extruded aluminum arm with centering guides for internal draw bolts. Housing/pole junction is gasketed. All exposed hardware is stainless steel. Internal protected hardware is electro-zinc plated.

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 asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side and functions as a house side shielding element. Refractors are injection molded optical acrylic. Each LED refractor is sealed to the PCB over an emitter and 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 street, site, and area distributions. All distributions are Zero Uplight (U0), Full-Cutoff dark sky friendly. Panels are field replaceable and field rotatable in 90° increments.

LED Emitters

High Power White LED's are driven between 350mA and 1050mA for a maximum output of 3 Watts nominal each. LED's are available in standard Neutral White (4000K), Cool White (5000K), or Warm White (2700K & 3000K). All Standard LED's have a minimum of 70 CRI. Consult Factory for other LED options. Lumen Maintenance of L94 at 60,000 hours (TM-21 calculated at 6x Test Time).

True Amber LED's TRA-True Amber LED's emit light in the amber spectral bandwidth centered on 585-590nm. True Amber has negligible blue light and is suitable for wildlife.

LED Driver

Constant current electronic with a power factor of >0.90, THD less than 10% and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized. 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

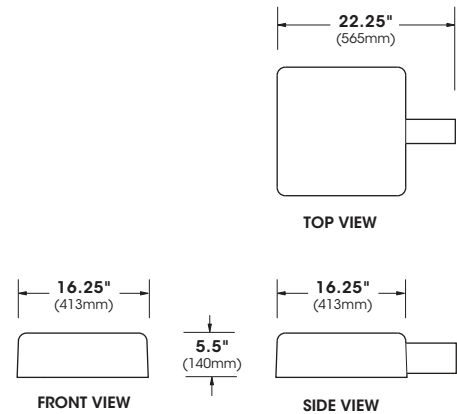
Polyester powder coat incorporates four step iron phosphate process to pretreat metal surface for maximum adhesion. Top coat is baked at 400°F for maximum hardness and exterior durability.

PROJECT NAME: _____

PROJECT TYPE: _____



LUM PLED

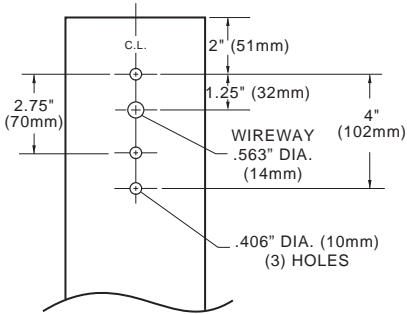


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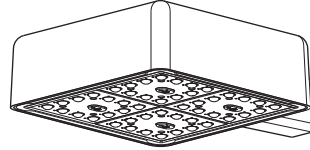
LUM SERIES - LED

SPECIFICATIONS

POLE DRILLING TEMPLATE

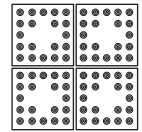


EPA & WEIGHT

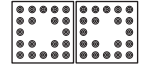


LUM
 Max Weight = 35 lbs
 Max EPA = 1.12
 80 LED Max

PLED™ MODULES



80 LED Module



40 LED Module

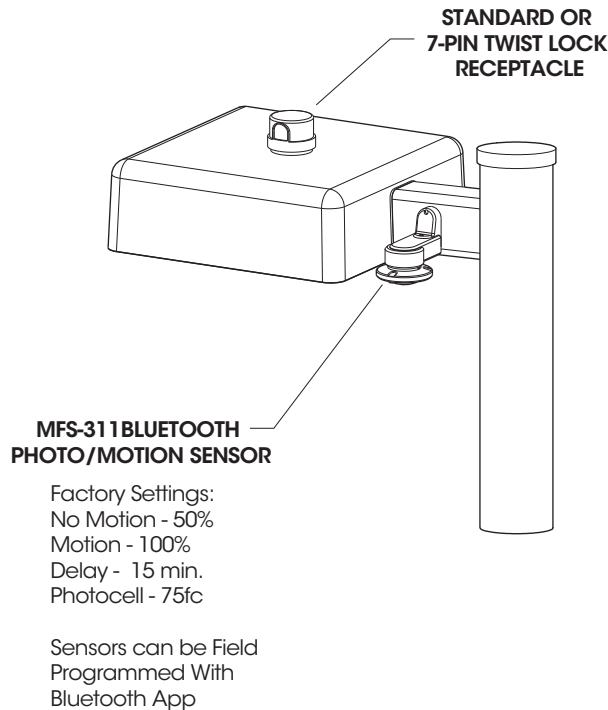
ORDERING INFORMATION

Spec/Order Example: LUM/PLED-II-ML/80LED-700mA/40K/347/4-90/RAL-8019-S

| Luminaire | Optics | LED Mode | | | Voltage | Mounting | Finish | Options |
|---|---|---|---|---|--|--|--|--|
| Luminaire | Optics | LED | | | Voltage | Mounting | Finish | Options |
| <input checked="" type="checkbox"/> LUM | PLED™ Distribution Type <input type="checkbox"/> Type II PLED-II <input type="checkbox"/> Type II Front Row PLED-II-FR <input type="checkbox"/> Type III Median Illuminator PLED-III-ML <input type="checkbox"/> Type III Med. PLED-III-M <input type="checkbox"/> Type III Wide PLED-III-W <input checked="" type="checkbox"/> Type IV PLED-IV <input type="checkbox"/> Type IV PLED-IV-FT <input type="checkbox"/> Type V Narrow PLED-VSQ-N <input type="checkbox"/> Type V Med. PLED-V-SQ-M <input type="checkbox"/> Type V Wide PLED-V-SQ-W | <input type="checkbox"/> 80LED <input checked="" type="checkbox"/> 40LED | <input type="checkbox"/> 1050mA ¹ <input type="checkbox"/> 875mA ¹ <input type="checkbox"/> 700mA <input checked="" type="checkbox"/> 525mA <input checked="" type="checkbox"/> 350mA | <input type="checkbox"/> 27K (2700K) <input checked="" type="checkbox"/> 30K (3000K) <input type="checkbox"/> 40K (4000K) <input type="checkbox"/> 50K (5000K) <input type="checkbox"/> TRA ² True Amber Consult Factory for Other LED Color, CCT, & CRI Options | <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347 <input type="checkbox"/> 480 | <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2-180 <input type="checkbox"/> 2-90 <input type="checkbox"/> 3-90 <input type="checkbox"/> 3-120 <input type="checkbox"/> 4-90 <input type="checkbox"/> Universal Pole Adaptor UPA Wall Mount <input type="checkbox"/> WM | <input type="checkbox"/> Black RAL-9005-T <input type="checkbox"/> White RAL-9003-T <input type="checkbox"/> Grey RAL-7004-T <input type="checkbox"/> Dark Bronze RAL-8019-T <input type="checkbox"/> Green RAL-6005-T For smooth finish replace suffix "T" with suffix "S" (Example: RAL-9500-S) Consult factor for custom colors | <input type="checkbox"/> Internal House Side Shield inc. LED Count (Example: HS-PLED/48) HS-PLED <input type="checkbox"/> External Glare Shield 4 Sided EGS4 <input type="checkbox"/> External Glare Shield 3 Sided Rear Wedge EGS3W <input type="checkbox"/> Twist Lock Receptacle Only TPR <input type="checkbox"/> 7-Pin Twist Lock Receptacle Only TPR7 <input type="checkbox"/> High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HLSW/25) HLSW <input type="checkbox"/> Photo Cell + Voltage (Example: PC120V) PC+V <input type="checkbox"/> Single Fuse (120V, 277V) SF <input type="checkbox"/> Double Fuse (208V, 240V) DF <input type="checkbox"/> Blue-Tooth Programmable Photo/Motion Sensor (Factory - Motion 50/100; Photo 75fc) MS-F311 |
| | | NOTES: 1 - 1050mA and 875mA for use with 40LED only 2 - TRA available in 350mA and 525mA Drive Currents only Consult Factory for Other Drive Currents | | | | | | |

LUM SERIES - LED

OPTIONS



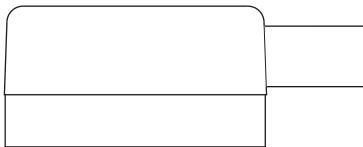
High Low Dimming For Switches (HLSW)

The HLSW is a Small Electronic Switch which Provides High Low Dimming Control Through the LED Driver's 0-10V Control. Switching is Done by Adding a Secondary AC Switched Hot Trigger Line to the HLSW in Addition to the Normal AC Power Line. When the Secondary Trigger Line is Powered, the Fixture will go to 100% Dimming. With no Power to the Trigger, the Fixture will operate at 50% or 25% Dimming. Switches for the Trigger Line can be a Normal AC Switch/Breaker or Timed Switch/Breaker.

Wireless and Other Fixture Controls

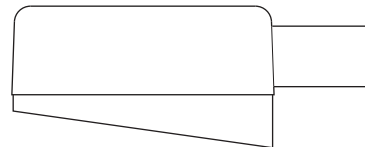
Contact Factory for Wireless and Other Fixture Controls and Recommendations. Most Controls Can be Integrated and Factory Installed.

EXTERNAL GLARE SHIELDS



EGS4 - 4 Sided Shield

Minimum Cutoff = 12°
Average Cutoff = 23°



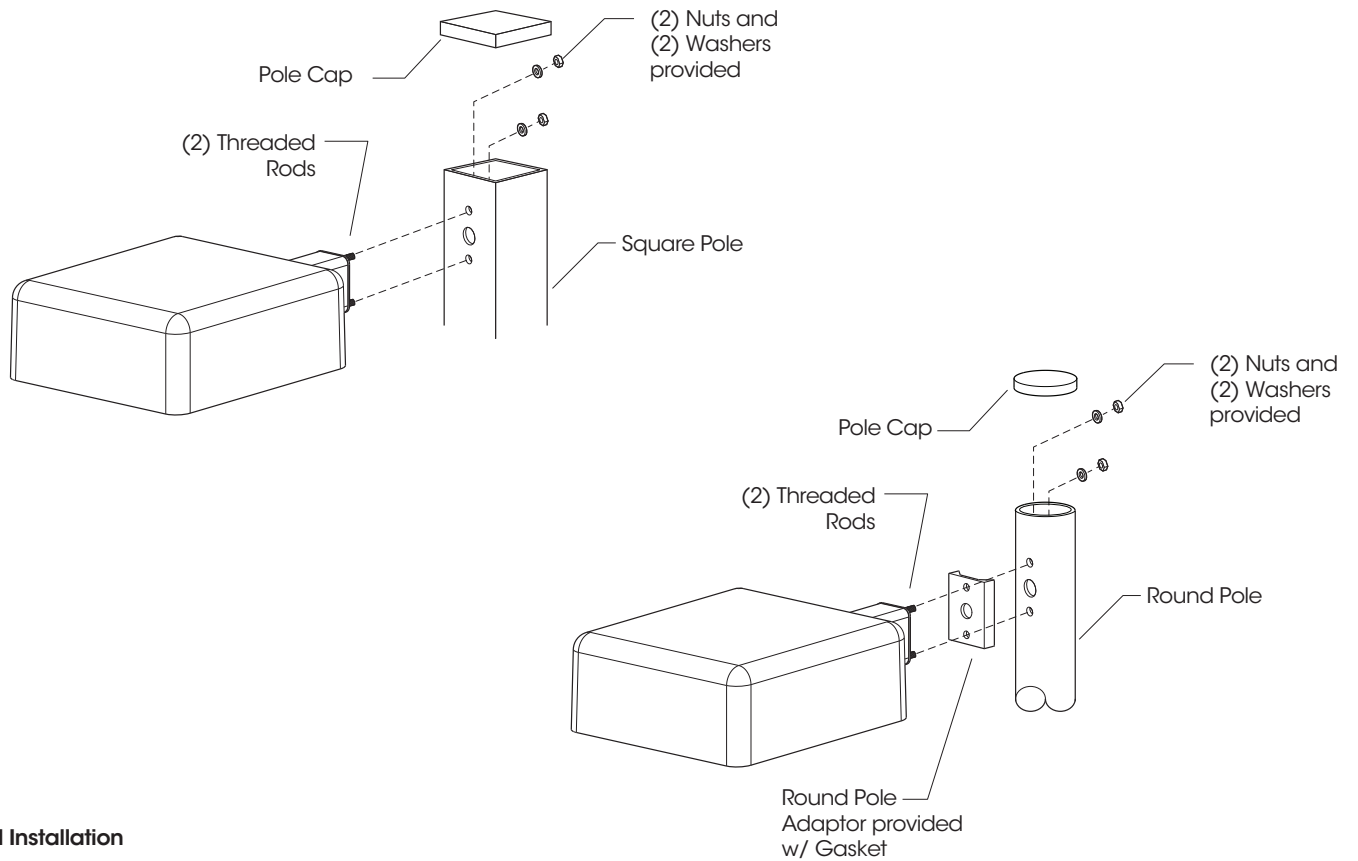
EGS3W - 3 Sided Shield

Minimum Rear Cutoff = 12°
Average Rear Cutoff = 23°
Minimum Side Cutoff = 4°
Average Side Cutoff = 16°

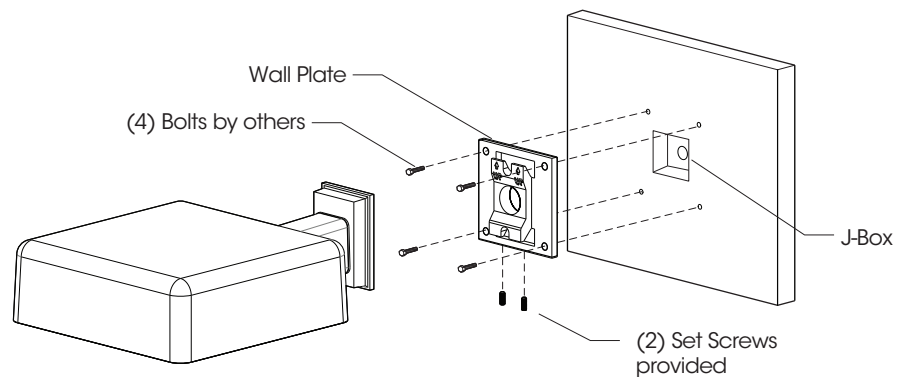
Glare Shields are rotatable. Consult factory for custom applications.

LUM SERIES - LED

INSTALLATION DETAIL



LUM Installation



LUM-WM Installation

LUM SERIES - PLED

PHOTOMETRIC DATA GUIDE - LM80 LUMENS MAINTENANCE

| LED Life / Operating Hours | Lumen Depreciation | Lumen Depreciation Scale Factor |
|-----------------------------------|--------------------|---------------------------------|
| 60,000 (10x Test Time Calculated) | L94 | 0.94x |
| 100,000 (Theoretical Calculated) | L92 | 0.92x |
| 150,000 (Theoretical Calculated) | L89 | 0.89x |

Lumen Depreciation Calculations Done in Accordance With IESNA TM-21 & LM-80 (25°C Ambient TM-21 6x Test Time Dictates that L94 > 60,000 Hour

ELECTRICAL DATA GUIDE - AMPERAGE CHARTS

| # of LEDs | mA | System Watts | 120V | 208V | 277V | 347V | 480V |
|-----------|------|--------------|------|------|------|------|------|
| 40 | 350 | 43 | 0.36 | 0.21 | 0.15 | 0.12 | 0.09 |
| 40 | 525 | 65 | 0.54 | 0.31 | 0.23 | 0.19 | 0.13 |
| 40 | 700 | 87 | 0.72 | 0.42 | 0.31 | 0.25 | 0.18 |
| 40 | 875 | 108 | 0.90 | 0.52 | 0.39 | 0.31 | 0.23 |
| 40 | 1050 | 128 | 1.07 | 0.62 | 0.46 | 0.37 | 0.27 |
| 80 | 350 | 85 | 0.71 | 0.41 | 0.31 | 0.25 | 0.18 |
| 80 | 525 | 129 | 1.08 | 0.62 | 0.47 | 0.37 | 0.27 |
| 80 | 700 | 174 | 1.45 | 0.83 | 0.63 | 0.50 | 0.36 |

LUM SERIES - PLED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES

| LUM-PLED | | | | | | | | | | | | | | | | | | | |
|-----------|--------------------|--------------|-------------|---------------------|-----|------------|---------------------|-----|------------|---------------------|-----|------------|---------------------|-----|------------|--------------|-------------|-----|------------|
| LED Count | Drive Current (mA) | System Watts | Dist'n Type | 27K (2700K - 70CRI) | | | 30K (3000K - 70CRI) | | | 40K (4000K - 70CRI) | | | 50K (5000K - 70CRI) | | | System Watts | TRA (590nm) | | |
| | | | | LUMENS | LPW | BUG RATING | LUMENS | LPW | BUG RATING | LUMENS | LPW | BUG RATING | LUMENS | LPW | BUG RATING | | LUMENS | LPW | BUG RATING |
| 40 | 350 | 42.7 | II | 5470 | 128 | B1-U0-G1 | 5904 | 138 | B2-U0-G1 | 6215 | 146 | B2-U0-G1 | 6526 | 153 | B2-U0-G2 | 33.0 | 2170 | 66 | B1-U0-G1 |
| | | | II-FR | 5506 | 129 | B1-U0-G1 | 5944 | 139 | B2-U0-G1 | 6257 | 147 | B2-U0-G1 | 6570 | 154 | B2-U0-G1 | | 2185 | 66 | B1-U0-G0 |
| | | | II-ML | 5469 | 128 | B2-U0-G2 | 5905 | 138 | B3-U0-G3 | 6215 | 146 | B3-U0-G3 | 6526 | 153 | B3-U0-G3 | | 2170 | 66 | B1-U0-G1 |
| | | | III-M | 5566 | 130 | B1-U0-G1 | 6008 | 141 | B1-U0-G2 | 6325 | 148 | B2-U0-G2 | 6641 | 156 | B2-U0-G2 | | 2208 | 67 | B1-U0-G1 |
| | | | III-W | 5167 | 121 | B1-U0-G2 | 5579 | 131 | B1-U0-G2 | 5872 | 138 | B1-U0-G2 | 6166 | 144 | B1-U0-G2 | | 2051 | 62 | B1-U0-G1 |
| | | | IV | 5524 | 129 | B1-U0-G1 | 5963 | 140 | B1-U0-G2 | 6277 | 147 | B2-U0-G2 | 6590 | 154 | B2-U0-G2 | | 2192 | 66 | B1-U0-G1 |
| | | | IV-FT | 5031 | 118 | B1-U0-G2 | 5432 | 127 | B1-U0-G2 | 5718 | 134 | B1-U0-G2 | 6004 | 141 | B1-U0-G2 | | 1996 | 60 | B1-U0-G1 |
| | | | VSQ-N | 5773 | 135 | B2-U0-G1 | 6232 | 146 | B2-U0-G1 | 6560 | 154 | B2-U0-G1 | 6888 | 161 | B2-U0-G1 | | 2291 | 69 | B1-U0-G0 |
| | | | VSQ-M | 5661 | 133 | B3-U0-G1 | 6112 | 143 | B3-U0-G1 | 6433 | 151 | B3-U0-G1 | 6755 | 158 | B3-U0-G1 | | 2247 | 68 | B2-U0-G1 |
| | | | VSQ-W | 5526 | 129 | B3-U0-G2 | 5966 | 140 | B3-U0-G2 | 6280 | 147 | B3-U0-G2 | 6594 | 154 | B3-U0-G2 | | 2193 | 66 | B2-U0-G1 |
| | | | II-HS | 4000 | 94 | B0-U0-G1 | 4318 | 101 | B0-U0-G1 | 4546 | 106 | B0-U0-G1 | 4773 | 112 | B1-U0-G2 | | 1587 | 48 | B0-U0-G0 |
| | | | II-FR-HS | 4069 | 95 | B0-U0-G1 | 4393 | 103 | B0-U0-G1 | 4624 | 108 | B0-U0-G1 | 4856 | 114 | B0-U0-G1 | | 1615 | 49 | B0-U0-G0 |
| | | | III-M-HS | 4047 | 95 | B0-U0-G1 | 4369 | 102 | B0-U0-G2 | 4599 | 108 | B0-U0-G2 | 4829 | 113 | B0-U0-G2 | | 1606 | 49 | B0-U0-G1 |
| | | | III-W-HS | 3961 | 93 | B0-U0-G2 | 4277 | 100 | B0-U0-G2 | 4501 | 105 | B0-U0-G2 | 4727 | 111 | B0-U0-G2 | | 1572 | 48 | B0-U0-G1 |
| | | | IV-HS | 4181 | 98 | B0-U0-G1 | 4513 | 106 | B0-U0-G1 | 4750 | 111 | B0-U0-G2 | 4988 | 117 | B0-U0-G2 | | 1658 | 50 | B0-U0-G0 |
| | | | IV-FT-HS | 3950 | 93 | B0-U0-G2 | 4264 | 100 | B0-U0-G2 | 4489 | 105 | B0-U0-G2 | 4714 | 110 | B0-U0-G2 | | 1568 | 48 | B0-U0-G1 |
| 40 | 525 | 64.7 | II | 7892 | 122 | B2-U0-G2 | 8520 | 132 | B2-U0-G2 | 8968 | 139 | B2-U0-G2 | 9416 | 146 | B2-U0-G2 | 51.0 | 2552 | 50 | B1-U0-G1 |
| | | | II-FR | 7945 | 123 | B2-U0-G1 | 8577 | 133 | B2-U0-G1 | 9029 | 140 | B2-U0-G1 | 9480 | 147 | B2-U0-G1 | | 2569 | 50 | B1-U0-G1 |
| | | | II-ML | 7892 | 122 | B3-U0-G3 | 8520 | 132 | B3-U0-G3 | 8969 | 139 | B3-U0-G3 | 9417 | 146 | B3-U0-G3 | | 2552 | 50 | B1-U0-G1 |
| | | | III-M | 8031 | 124 | B2-U0-G2 | 8669 | 134 | B2-U0-G2 | 9126 | 141 | B2-U0-G2 | 9582 | 148 | B2-U0-G2 | | 2596 | 51 | B1-U0-G1 |
| | | | III-W | 7456 | 115 | B1-U0-G2 | 8049 | 124 | B2-U0-G2 | 8473 | 131 | B2-U0-G2 | 8896 | 137 | B2-U0-G3 | | 2411 | 47 | B1-U0-G1 |
| | | | IV | 7970 | 123 | B2-U0-G2 | 8603 | 133 | B2-U0-G2 | 9056 | 140 | B2-U0-G2 | 9509 | 147 | B2-U0-G2 | | 2577 | 51 | B1-U0-G1 |
| | | | IV-FT | 7260 | 112 | B1-U0-G3 | 7838 | 121 | B2-U0-G3 | 8250 | 128 | B2-U0-G3 | 8663 | 134 | B2-U0-G3 | | 2347 | 46 | B1-U0-G1 |
| | | | VSQ-N | 8329 | 129 | B3-U0-G1 | 8992 | 139 | B3-U0-G1 | 9465 | 146 | B3-U0-G1 | 9939 | 154 | B3-U0-G1 | | 2694 | 53 | B1-U0-G0 |
| | | | VSQ-M | 8169 | 126 | B3-U0-G2 | 8818 | 136 | B3-U0-G2 | 9282 | 143 | B3-U0-G2 | 9747 | 151 | B3-U0-G2 | | 2641 | 52 | B2-U0-G1 |
| | | | VSQ-W | 7974 | 123 | B3-U0-G2 | 8608 | 133 | B4-U0-G2 | 9061 | 140 | B4-U0-G2 | 9514 | 147 | B4-U0-G3 | | 2578 | 51 | B2-U0-G1 |
| | | | II-HS | 5772 | 89 | B1-U0-G2 | 6231 | 96 | B1-U0-G2 | 6559 | 101 | B1-U0-G2 | 6887 | 106 | B1-U0-G2 | | 1866 | 37 | B0-U0-G1 |
| | | | II-FR-HS | 5871 | 91 | B1-U0-G1 | 6338 | 98 | B1-U0-G1 | 6672 | 103 | B1-U0-G1 | 7005 | 108 | B1-U0-G1 | | 1899 | 37 | B0-U0-G0 |
| | | | III-M-HS | 5840 | 90 | B0-U0-G2 | 6304 | 97 | B0-U0-G2 | 6636 | 103 | B0-U0-G2 | 6968 | 108 | B0-U0-G2 | | 1888 | 37 | B0-U0-G1 |
| | | | III-W-HS | 5716 | 88 | B0-U0-G2 | 6170 | 95 | B0-U0-G2 | 6495 | 100 | B0-U0-G2 | 6820 | 105 | B0-U0-G2 | | 1848 | 36 | B0-U0-G1 |
| | | | IV-HS | 6032 | 93 | B0-U0-G2 | 6511 | 101 | B0-U0-G2 | 6854 | 106 | B0-U0-G2 | 7197 | 111 | B0-U0-G2 | | 1951 | 38 | B0-U0-G1 |
| | | | IV-FT-HS | 5700 | 88 | B0-U0-G2 | 6153 | 95 | B0-U0-G2 | 6477 | 100 | B0-U0-G2 | 6801 | 105 | B1-U0-G2 | | 1843 | 36 | B0-U0-G1 |
| 40 | 700 | 86.8 | II | 10029 | 116 | B2-U0-G2 | 10827 | 125 | B2-U0-G2 | 11396 | 131 | B2-U0-G2 | 11966 | 138 | B2-U0-G2 | N/A | N/A | N/A | |
| | | | II-FR | 10096 | 116 | B2-U0-G1 | 10899 | 126 | B2-U0-G1 | 11472 | 132 | B3-U0-G1 | 12046 | 139 | B3-U0-G1 | | | | |
| | | | II-ML | 10029 | 116 | B3-U0-G3 | 10827 | 125 | B3-U0-G3 | 11397 | 131 | B3-U0-G3 | 11967 | 138 | B3-U0-G3 | | | | |
| | | | III-M | 10204 | 118 | B2-U0-G2 | 11016 | 127 | B2-U0-G2 | 11596 | 134 | B2-U0-G2 | 12175 | 140 | B2-U0-G2 | | | | |
| | | | III-W | 9474 | 109 | B2-U0-G3 | 10228 | 118 | B2-U0-G3 | 10766 | 124 | B2-U0-G3 | 11304 | 130 | B2-U0-G3 | | | | |
| | | | IV | 10127 | 117 | B2-U0-G2 | 10933 | 126 | B2-U0-G2 | 11508 | 133 | B2-U0-G2 | 12084 | 139 | B2-U0-G2 | | | | |
| | | | IV-FT | 9225 | 106 | B2-U0-G3 | 9959 | 115 | B2-U0-G3 | 10483 | 121 | B2-U0-G3 | 11008 | 127 | B2-U0-G3 | | | | |
| | | | VSQ-N | 10585 | 122 | B3-U0-G1 | 11427 | 132 | B3-U0-G1 | 12028 | 139 | B3-U0-G1 | 12629 | 145 | B3-U0-G1 | | | | |
| | | | VSQ-M | 10379 | 120 | B3-U0-G2 | 11205 | 129 | B4-U0-G2 | 11795 | 136 | B4-U0-G2 | 12385 | 143 | B4-U0-G2 | | | | |
| | | | VSQ-W | 10132 | 117 | B4-U0-G3 | 10937 | 126 | B4-U0-G3 | 11513 | 133 | B4-U0-G3 | 12089 | 139 | B4-U0-G3 | | | | |
| | | | II-HS | 7335 | 84 | B1-U0-G2 | 7918 | 91 | B1-U0-G2 | 8335 | 96 | B1-U0-G2 | 8751 | 101 | B1-U0-G2 | | | | |
| | | | II-FR-HS | 7461 | 86 | B1-U0-G1 | 8054 | 93 | B1-U0-G1 | 8478 | 98 | B1-U0-G1 | 8902 | 103 | B1-U0-G1 | | | | |
| | | | III-M-HS | 7420 | 85 | B0-U0-G2 | 8010 | 92 | B1-U0-G2 | 8432 | 97 | B1-U0-G2 | 8853 | 102 | B1-U0-G2 | | | | |
| | | | III-W-HS | 7262 | 84 | B0-U0-G2 | 7840 | 90 | B0-U0-G2 | 8253 | 95 | B1-U0-G2 | 8665 | 100 | B1-U0-G2 | | | | |
| | | | IV-HS | 7664 | 88 | B1-U0-G2 | 8274 | 95 | B1-U0-G2 | 8709 | 100 | B1-U0-G2 | 9145 | 105 | B1-U0-G2 | | | | |
| | | | IV-FT-HS | 7243 | 83 | B1-U0-G3 | 7819 | 90 | B1-U0-G3 | 8231 | 95 | B1-U0-G3 | 8642 | 100 | B1-U0-G3 | | | | |
| 40 | 875 | 108.0 | II | 11624 | 108 | B2-U0-G2 | 12548 | 116 | B2-U0-G2 | 13209 | 122 | B2-U0-G2 | 13869 | 128 | B2-U0-G2 | N/A | N/A | N/A | |
| | | | II-FR | 11701 | 108 | B3-U0-G1 | 12632 | 117 | B3-U0-G1 | 13297 | 123 | B3-U0-G1 | 13962 | 129 | B3-U0-G1 | | | | |
| | | | II-ML | 11624 | 108 | B3-U0-G3 | 12548 | 116 | B3-U0-G3 | 13209 | 122 | B3-U0-G3 | 13869 | 128 | B3-U0-G3 | | | | |
| | | | III-M | 11826 | 110 | B2-U0-G2 | 12767 | 118 | B2-U0-G2 | 13439 | 124 | B2-U0-G2 | 14111 | 131 | B2-U0-G2 | | | | |
| | | | III-W | 10981 | 102 | B2-U0-G3 | 11854 | 110 | B2-U0-G3 | 12478 | 116 | B2-U0-G3 | 13102 | 121 | B2-U0-G3 | | | | |
| | | | IV | 11737 | 109 | B2-U0-G2 | 12671 | 117 | B2-U0-G2 | 13338 | 123 | B2-U0-G2 | 14005 | 130 | B2-U0-G2 | | | | |
| | | | IV-FT | 10692 | 99 | B2-U0-G3 | 11543 | 107 | B2-U0-G3 | 12150 | 113 | B2-U0-G3 | 12758 | 118 | B2-U0-G3 | | | | |
| | | | VSQ-N | 12268 | 114 | B3-U0-G1 | 13243 | 123 | B3-U0-G1 | 13941 | 129 | B3-U0-G1 | 14638 | 136 | B3-U0-G1 | | | | |
| | | | VSQ-M | 12030 | 111 | B4-U0-G2 | 12987 | 120 | B4-U0-G2 | 13670 | 127 | B4-U0-G2 | 14354 | 133 | B4-U0-G2 | | | | |
| | | | VSQ-W | 11743 | 109 | B4-U0-G3 | 12677 | 117 | B4-U0-G3 | 13344 | 124 | B4-U0-G3 | 14010 | 130 | B4-U0-G3 | | | | |
| | | | II-HS | 8501 | 79 | B1-U0-G2 | 9177 | 85 | B1-U0-G2 | 9660 | 89 | B1-U0-G2 | 10143 | 94 | B1-U0-G2 | | | | |
| | | | II-FR-HS | 8647 | 80 | B1-U0-G1 | 9334 | 86 | B1-U0-G1 | 9826 | 91 | B1-U0-G1 | 10317 | 96 | B1-U0-G1 | | | | |
| | | | III-M-HS | 8600 | 80 | B1-U0-G2 | 9284 | 86 | B1-U0-G2 | 9772 | 90 | B1-U0-G2 | 10261 | 95 | B1-U0-G2 | | | | |
| | | | III-W-HS | 8418 | 78 | B1-U0-G2 | 9087 | 84 | B1-U0-G2 | 9565 | 89 | B1-U0-G3 | 10044 | 93 | B1-U0-G3 | | | | |
| | | | IV-HS | 8883 | 82 | B1-U0-G2 | 9589 | 89 | B1-U0-G2 | 10094 | 93 | B1-U0-G2 | 10599 | 98 | B1-U0-G2 | | | | |
| | | | IV-FT-HS | 8395 | 78 | B1-U0-G3 | 9063 | 84 | B1-U0-G3 | 9540 | 88 | B1-U0-G3 | 10017 | 93 | B1-U0-G3 | | | | |
| 40 | 1050 | 128.2 | II | 13360 | 104 | B2-U0-G2 | 14423 | 113 | B3-U0-G2 | 15182 | 118 | B3-U0-G2 | 15941 | 124 | B3-U0-G2 | N/A | N/A | N/A | |
| | | | II-FR | 13450 | 105 | B3-U0-G1 | 14520 | 113 | B3-U0-G1 | 15284 | 119 | B3-U0-G2 | 16048 | 125 | B3-U0-G2 | | | | |
| | | | II-ML | 13361 | 104 | B3-U0-G3 | 14423 | 113 | B4-U0-G4 | 15183 | 118 | B4-U0-G4 | 15942 | 124 | B4-U0-G4 | | | | |
| | | | III-M | 13594 | 106 | B2-U0-G2 | 14675 | 114 | B2-U0-G2 | 15447 | 120 | B3-U0-G2 | 16220 | 127 | B3-U0-G3 | | | | |
| | | | III-W | 12622 | 98 | B2-U0-G3 | 13626 | 106 | B2-U0-G3 | 14343 | 112 | B2-U0-G3 | 15060 | 117 | B2-U0-G3 | | | | |
| | | | IV | 13491 | 105 | B2-U0-G2 | 14564 | 114 | B2-U0-G2 | 15331 | 120 | B3-U0-G2 | 16097 | 126 | B3-U0-G2 | | | | |
| | | | IV-FT | 12290 | 96 | B2-U0-G3 | 13268 | 103 | B2-U0-G3 | 13966 | 109 | B2-U0-G3 | 14665 | 114 | B2-U0-G3 | | | | |
| | | | VSQ-N | 14101 | 110 | B3-U0-G1 | 15223 | 119 | B3-U0-G1 | 16024 | 125 | B4-U0-G1 | 16825 | 131 | B4-U0-G2 | | | | |
| | | | VSQ-M | 13827 | 108 | B4-U0-G2 | 14927 | 116 | B4-U0-G2 | 15712 | 123 | B4-U0-G2 | 16499 | 129 | B4-U0-G2 | | | | |
| | | | VSQ-W | 13497 | 105 | B4-U0-G3 | 14571 | 114 | B4-U0-G3 | 15338 | 120 | B4-U0-G3 | 16104 | 126 | B4-U0-G3 | | | | |
| | | | II-HS | 9771 | 76 | B1-U0-G2 | 10549 | 82 | B1-U0-G2 | 11104 | 87 | B1-U0-G2 | 11659 | 91 | B1-U0-G2 | | | | |
| | | | II-FR-HS | 9939 | 78 | B1-U0-G1 | 10729 | 84 | B1-U0-G1 | 11294 | 88 | B1-U0-G2 | 11859 | 93 | B1-U0-G2 | | | | |
| | | | III-M-HS | 9885 | 77 | B1-U0-G2 | 10671 | 83 | B1-U0-G2 | 11232 | 88 | B1-U0-G2 | 11794 | 92 | B1-U0-G3 | | | | |
| | | | III-W-HS | 9675 | 75 | B1-U0-G3 | 10445 | 81 | B1-U0-G3 | 10994 | 86 | B1-U0-G3 | 11544 | 90 | B1-U0-G3</ | | | | |

LUM SERIES - PLED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES

| LUM-PLED | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|--------------------|--------------|-------------|---------------------|-------|------------|---------------------|-----|------------|---------------------|-----|------------|---------------------|-----|------------|--------------|-------------|----------|------------|-------|------|----|----------|
| LED Count | Drive Current (mA) | System Watts | Dist'n Type | 27K (2700K - 70CRI) | | | 30K (3000K - 70CRI) | | | 40K (4000K - 70CRI) | | | 50K (5000K - 70CRI) | | | System Watts | TRA (590nm) | | | | | | |
| | | | | LUMENS | LPW | BUG RATING | LUMENS | LPW | BUG RATING | LUMENS | LPW | BUG RATING | LUMENS | LPW | BUG RATING | | LUMENS | LPW | BUG RATING | | | | |
| 80 | 350 | 85.4 | II | 10600 | 124 | B2-U0-G2 | 11443 | 134 | B2-U0-G2 | 12046 | 141 | B2-U0-G2 | 12648 | 148 | B2-U0-G2 | 67.0 | 4207 | 63 | B1-U0-G1 | | | | |
| | | | II-FR | 10671 | 125 | B2-U0-G1 | 11520 | 135 | B3-U0-G1 | 12126 | 142 | B3-U0-G1 | 12733 | 149 | B3-U0-G1 | | 4234 | 63 | B1-U0-G1 | | | | |
| | | | II-ML | 10600 | 124 | B3-U0-G3 | 11444 | 134 | B3-U0-G3 | 12046 | 141 | B3-U0-G3 | 12648 | 148 | B3-U0-G3 | | 4207 | 63 | B2-U0-G2 | | | | |
| | | | III-M | 10785 | 126 | B2-U0-G2 | 11643 | 136 | B2-U0-G2 | 12256 | 144 | B2-U0-G2 | 12869 | 151 | B2-U0-G2 | | 4280 | 64 | B1-U0-G1 | | | | |
| | | | III-W | 10014 | 117 | B2-U0-G3 | 10811 | 127 | B2-U0-G3 | 11380 | 133 | B2-U0-G3 | 11949 | 140 | B2-U0-G3 | | 3974 | 59 | B1-U0-G2 | | | | |
| | | | IV | 10705 | 125 | B2-U0-G2 | 11556 | 135 | B2-U0-G2 | 12164 | 142 | B2-U0-G2 | 12772 | 150 | B2-U0-G2 | | 4247 | 63 | B1-U0-G1 | | | | |
| | | | IV-FT | 9751 | 114 | B2-U0-G3 | 10527 | 123 | B2-U0-G3 | 11081 | 130 | B2-U0-G3 | 11635 | 136 | B2-U0-G3 | | 3870 | 58 | B1-U0-G1 | | | | |
| | | | VSQ-N | 11188 | 131 | B3-U0-G1 | 12078 | 141 | B3-U0-G1 | 12714 | 149 | B3-U0-G1 | 13350 | 156 | B3-U0-G1 | | 4440 | 66 | B2-U0-G1 | | | | |
| | | | VSQ-M | 10971 | 128 | B4-U0-G2 | 11844 | 139 | B4-U0-G2 | 12467 | 146 | B4-U0-G2 | 13091 | 153 | B4-U0-G2 | | 4353 | 65 | B3-U0-G1 | | | | |
| | | | VSQ-W | 10709 | 125 | B4-U0-G3 | 11561 | 135 | B4-U0-G3 | 12169 | 142 | B4-U0-G3 | 12778 | 150 | B4-U0-G3 | | 4249 | 63 | B3-U0-G2 | | | | |
| | | | II-HS | 7752 | 91 | B1-U0-G2 | 8369 | 98 | B1-U0-G2 | 8809 | 103 | B1-U0-G2 | 9250 | 108 | B1-U0-G2 | | 3076 | 46 | B0-U0-G1 | | | | |
| | | | II-FR-HS | 7886 | 92 | B1-U0-G1 | 8513 | 100 | B1-U0-G1 | 8961 | 105 | B1-U0-G1 | 9409 | 110 | B1-U0-G1 | | 3129 | 47 | B0-U0-G0 | | | | |
| | | | III-M-HS | 7843 | 92 | B1-U0-G2 | 8467 | 99 | B1-U0-G2 | 8913 | 104 | B1-U0-G2 | 9358 | 110 | B1-U0-G2 | | 3113 | 46 | B0-U0-G1 | | | | |
| | | | III-W-HS | 7677 | 90 | B0-U0-G2 | 8288 | 97 | B1-U0-G2 | 8724 | 102 | B1-U0-G2 | 9160 | 107 | B1-U0-G2 | | 3046 | 45 | B0-U0-G1 | | | | |
| | | | IV-HS | 8101 | 95 | B1-U0-G2 | 8745 | 102 | B1-U0-G2 | 9206 | 108 | B1-U0-G2 | 9666 | 113 | B1-U0-G2 | | 3215 | 48 | B0-U0-G1 | | | | |
| | | | IV-FT-HS | 7656 | 90 | B1-U0-G3 | 8265 | 97 | B1-U0-G3 | 8700 | 102 | B1-U0-G3 | 9135 | 107 | B1-U0-G3 | | 3038 | 45 | B0-U0-G1 | | | | |
| | | | 80 | 525 | 129.4 | II | 15265 | 118 | B3-U0-G2 | 16479 | 127 | B3-U0-G3 | 17347 | 134 | B3-U0-G3 | | 18214 | 141 | B3-U0-G3 | 101.0 | 4936 | 49 | B1-U0-G1 |
| | | | | | | II-FR | 15367 | 119 | B3-U0-G2 | 16589 | 128 | B3-U0-G2 | 17462 | 135 | B3-U0-G2 | | 18335 | 142 | B3-U0-G2 | | 4968 | 49 | B1-U0-G1 |
| II-ML | 15265 | 118 | | | | B4-U0-G4 | 16480 | 127 | B4-U0-G4 | 17347 | 134 | B4-U0-G4 | 18214 | 141 | B4-U0-G4 | 4936 | 49 | B2-U0-G2 | | | | | |
| III-M | 15532 | 120 | | | | B3-U0-G2 | 16767 | 130 | B3-U0-G3 | 17649 | 136 | B3-U0-G3 | 18532 | 143 | B3-U0-G3 | 5022 | 50 | B1-U0-G1 | | | | | |
| III-W | 14421 | 111 | | | | B2-U0-G3 | 15568 | 120 | B2-U0-G3 | 16387 | 127 | B3-U0-G3 | 17206 | 133 | B3-U0-G3 | 4663 | 46 | B1-U0-G2 | | | | | |
| IV | 15414 | 119 | | | | B3-U0-G2 | 16640 | 129 | B3-U0-G3 | 17516 | 135 | B3-U0-G3 | 18392 | 142 | B3-U0-G3 | 4984 | 49 | B1-U0-G1 | | | | | |
| IV-FT | 14042 | 109 | | | | B2-U0-G3 | 15159 | 117 | B3-U0-G3 | 15957 | 123 | B3-U0-G4 | 16754 | 129 | B3-U0-G4 | 4541 | 45 | B1-U0-G2 | | | | | |
| VSQ-N | 16112 | 125 | | | | B4-U0-G1 | 17394 | 134 | B4-U0-G2 | 18309 | 141 | B4-U0-G2 | 19224 | 149 | B4-U0-G2 | 5210 | 52 | B2-U0-G1 | | | | | |
| VSQ-M | 15799 | 122 | | | | B4-U0-G2 | 17055 | 132 | B4-U0-G2 | 17952 | 139 | B4-U0-G2 | 18850 | 146 | B4-U0-G2 | 5108 | 51 | B3-U0-G1 | | | | | |
| VSQ-W | 15422 | 119 | | | | B4-U0-G3 | 16648 | 129 | B4-U0-G3 | 17525 | 135 | B5-U0-G3 | 18401 | 142 | B5-U0-G3 | 4986 | 49 | B3-U0-G2 | | | | | |
| II-HS | 11164 | 86 | | | | B1-U0-G2 | 12052 | 93 | B1-U0-G2 | 12687 | 98 | B1-U0-G2 | 13321 | 103 | B1-U0-G3 | 3610 | 36 | B0-U0-G1 | | | | | |
| II-FR-HS | 11356 | 88 | | | | B1-U0-G2 | 12259 | 95 | B1-U0-G2 | 12905 | 100 | B1-U0-G2 | 13550 | 105 | B1-U0-G2 | 3672 | 36 | B0-U0-G1 | | | | | |
| III-M-HS | 11295 | 87 | | | | B1-U0-G2 | 12193 | 94 | B1-U0-G3 | 12835 | 99 | B1-U0-G3 | 13477 | 104 | B1-U0-G3 | 3652 | 36 | B0-U0-G1 | | | | | |
| III-W-HS | 11054 | 85 | | | | B1-U0-G3 | 11934 | 92 | B1-U0-G3 | 12562 | 97 | B1-U0-G3 | 13190 | 102 | B1-U0-G3 | 3575 | 35 | B0-U0-G2 | | | | | |
| IV-HS | 11666 | 90 | | | | B1-U0-G2 | 12594 | 97 | B1-U0-G2 | 13257 | 102 | B1-U0-G3 | 13920 | 108 | B1-U0-G3 | 3772 | 37 | B0-U0-G1 | | | | | |
| IV-FT-HS | 11025 | 85 | | | | B1-U0-G3 | 11902 | 92 | B1-U0-G3 | 12529 | 97 | B1-U0-G3 | 13155 | 102 | B1-U0-G3 | 3565 | 35 | B0-U0-G2 | | | | | |
| 80 | 700 | 173.6 | | | | II | 19359 | 112 | B3-U0-G3 | 20898 | 120 | B3-U0-G3 | 21998 | 127 | B3-U0-G3 | 23098 | 133 | B3-U0-G3 | N/A | | N/A | | |
| | | | | | | II-FR | 19487 | 112 | B3-U0-G2 | 21038 | 121 | B3-U0-G2 | 22145 | 128 | B3-U0-G2 | 23252 | 134 | B3-U0-G2 | | | | | |
| | | | II-ML | 19359 | 112 | B4-U0-G4 | 20899 | 120 | B4-U0-G4 | 21999 | 127 | B4-U0-G4 | 23099 | 133 | B4-U0-G4 | | | | | | | | |
| | | | III-M | 19697 | 113 | B3-U0-G3 | 21264 | 122 | B3-U0-G3 | 22383 | 129 | B3-U0-G3 | 23502 | 135 | B3-U0-G3 | | | | | | | | |
| | | | III-W | 18289 | 105 | B3-U0-G3 | 19743 | 114 | B3-U0-G4 | 20782 | 120 | B3-U0-G4 | 21821 | 126 | B3-U0-G4 | | | | | | | | |
| | | | IV | 19549 | 113 | B3-U0-G3 | 21104 | 122 | B3-U0-G3 | 22215 | 128 | B3-U0-G3 | 23325 | 134 | B3-U0-G3 | | | | | | | | |
| | | | IV-FT | 17808 | 103 | B3-U0-G4 | 19224 | 111 | B3-U0-G4 | 20236 | 117 | B3-U0-G4 | 21248 | 122 | B3-U0-G4 | | | | | | | | |
| | | | VSQ-N | 20432 | 118 | B4-U0-G2 | 22058 | 127 | B4-U0-G2 | 23219 | 134 | B4-U0-G2 | 24380 | 140 | B4-U0-G2 | | | | | | | | |
| | | | VSQ-M | 20035 | 115 | B4-U0-G2 | 21629 | 125 | B5-U0-G3 | 22767 | 131 | B5-U0-G3 | 23906 | 138 | B5-U0-G3 | | | | | | | | |
| | | | VSQ-W | 19558 | 113 | B5-U0-G3 | 21113 | 122 | B5-U0-G4 | 22225 | 128 | B5-U0-G4 | 23336 | 134 | B5-U0-G4 | | | | | | | | |
| | | | II-HS | 14158 | 82 | B1-U0-G3 | 15284 | 88 | B1-U0-G3 | 16088 | 93 | B1-U0-G3 | 16893 | 97 | B1-U0-G3 | | | | | | | | |
| | | | II-FR-HS | 14401 | 83 | B1-U0-G2 | 15547 | 90 | B1-U0-G2 | 16365 | 94 | B1-U0-G2 | 17183 | 99 | B1-U0-G2 | | | | | | | | |
| | | | III-M-HS | 14323 | 83 | B1-U0-G3 | 15463 | 89 | B1-U0-G3 | 16276 | 94 | B1-U0-G3 | 17090 | 98 | B1-U0-G3 | | | | | | | | |
| | | | III-W-HS | 14020 | 81 | B1-U0-G3 | 15135 | 87 | B1-U0-G4 | 15932 | 92 | B1-U0-G4 | 16728 | 96 | B1-U0-G4 | | | | | | | | |
| | | | IV-HS | 14795 | 85 | B1-U0-G3 | 15972 | 92 | B1-U0-G3 | 16812 | 97 | B1-U0-G3 | 17653 | 102 | B1-U0-G3 | | | | | | | | |
| | | | IV-FT-HS | 13982 | 81 | B1-U0-G4 | 15094 | 87 | B1-U0-G4 | 15889 | 92 | B1-U0-G4 | 16683 | 96 | B1-U0-G4 | | | | | | | | |

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