SUN VALLEY LIGHTING

PROJECT NAME:

PROJECT TYPE:

LCL SERIES - PLED

AREA & ROADWAY LIGHTING

Luminaire
Heavy cast, low copper aluminum assembly (A356 alloy, <0.2% copper) with a minimum wall thickness of 0.188". The housing is provided with the True Level™ arm system to connect to the arm assembly, or as a pendant mount (PM). Cast aluminum door hinges for easy housing access.

PLED™ Optics
PLED™ Optical Modules are "panelized" arrays of LEDs and LED refractors. Individual LEDs are arrayed over a metal core PCB board. Each LED is precisely placed and soldered to a heat-dispersing mount that also serves as the circuit for the panel. Individual PLED refractors and a cover plate are affixed and sealed over the LEDs and MCPCB, meeting an IP66 standard. Individual PLED refractors are injection molded from optical-grade PMMA acrylic. Each PLED refractor produces the same light distribution throughout the panel module. Both standard and unique site, area and roadway distributions are available. Optional optic-level PLED-HS house side shields are available to limit backlight without affecting forward distribution and output. Panels are field rotatable in 90° increments and replaceable with quick disconnects behind each panel. Panels are mounted directly to the heatsink portion of the fixture for superior conduction to the heatsink fins.

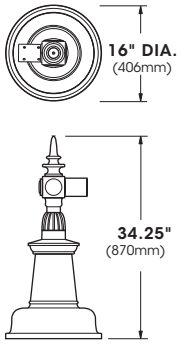
Teardrop Lens
Available in No Lens (NL) or clear Prismatic Refractive Acrylic (PRA) teardrop lens, -D or -S shapes. Lens is mechanically fastened to the frame and sealed with closed cell silicone gasketing.

LED Emitters
LED thermal management is designed to maintain an LED operating temperature below 90°C, well below the manufacturer's thermal maximum of 150°C, for long life, high lumen maintenance and color stability. High-power white LEDs are driven between 175mA and 1050mA. LEDs are available in 2700K, 3000K, 4000K or 5000K. All standard LEDs have a minimum of 70 CRI. Consult factory for other CRI and CCT options. See the Lumen Maintenance chart for TM-21 rated lifetimes.

True Amber LEDs
TRA - True Amber LEDs emit light in a narrow spectral bandwidth with a peak wavelength between 589-595nm and a 50% peak bandwidth of less than 20nm. True Amber has less than 0.04% blue light content and is suitable for wildlife areas. Available in 175mA, 350mA & 525mA drive currents.

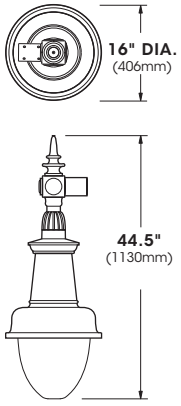
LED Drivers
Constant current electronic with a power factor of >0.90 and a minimum operating temperature of -40°F/-40°C. Drivers are UL and cUL recognized. Quick connectors facilitate wiring between the driver, optical arrays and incoming line voltage. Drivers accept an input of 120-277V (UNV), 50/60Hz or 347-480V, 50/60Hz. 0-10V dimming is standard; consult factory for DALI options. Driver lifetime exceeds 100,000 hours in a 25°C ambient environment. Driver has a minimum of 3kV internal surge protection. Luminaire supplied with a 20kV surge protector for field installation.

Finish
Super TGIC polyester powder coating is applied onto a metal substrate that 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.





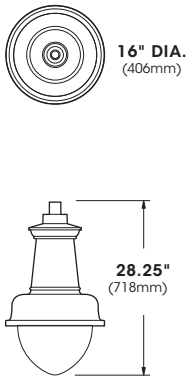
LCL-NL





LCL

(Shown with PRA-D Deep Lens)



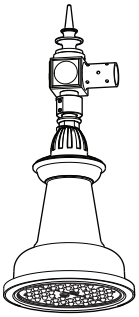


LCL-PM

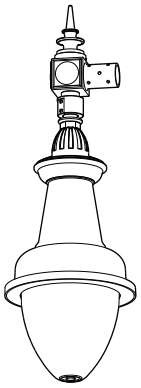
(Shown with PRA-S Shallow Lens)

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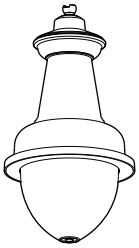
SPECIFICATIONS



LCL-NL
Max Weight = 39 lbs
Max EPA = 1.01
48 or 36 or 20 LED

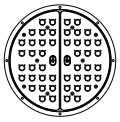


LCL
Max Weight = 44 lbs
Max EPA = 1.54
48 or 36 or 20 LED



LCL-PM
Max Weight = 39 lbs
Max EPA = 1.54
48 or 36 or 20 LED

PLED™ MODULE ARRAYS



48 LED Module



36 LED Module



20 LED Module

Module Array Wattage Table

LEDs \ mA	175	350	525	700	875	1050
20	11	21	32	43	54	65
36	19	38	58	78	97	117
48	26	51	77	104	130	156

ORDERING INFORMATION

Spec/Order Example: LCL-D/IV/48LED-525mA/30K/480/4-90/PC

Luminaire	Optics	LED	Voltage	Mounting	Finish	Options

Luminaire

LCL-NL
LCL-PRA-D
LCL-PRA-S

LCL-PM-NL
LCL-PM-PRA-D
LCL-PM-PRA-S

Optics

PLED™ Distribution Type

Narrow Throw Optics
- **II-FR**
- **IV-CL**
- **VSQ-N**

Medium Throw Optics
- **II**
- **III-M**
- **IV**
- **VSQ-M**

Wide Throw Optics
- **III-W**
- **IV-FT**
- **VSQ-W**

LED

# of LEDs	Drive Current	Color Temp - CCT
48LED	**1050mA**	**27K** (2700K)
36LED	**875mA**	**30K** (3000K)
20LED	**700mA**	**40K** (4000K)
	525mA	**50K** (5000K)
	350mA	**TRA**[1] True Amber
	175mA	

NOTES:
1 - TRA available in 175mA, 350mA & 525mA drive currents only

Voltage

- **UNV** (120-277)
- **347**
- **480**

Mounting

Arm Mount
- **1**
- **2-180**
- **2-90**
- **3-90**
- **3-120**
- **4-90**

Wall Mount
- **WM**

Finish

Standard Textured Finish
- **9005-T** Black
- **9003-T** White
- **7004-T** Grey
- **8019-T** Dark Bronze
- **6005-T** Green

Premium Finish
- **RUST** Rust
- **PC** Patina Copper

For smooth finish replace suffix "T" with "S". Consult factory for custom colors.

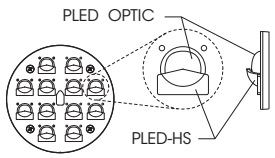
Options

- **HS** PLED House Side Shield
- **HLSW** High-Low Dimming Switch Line Voltage Triggered
- **FSP** Bluetooth Programmable Photo/Motion Sensor (Factory - Motion 50/100; Photo 75fc)
- **PC+V** Button Photocell + Voltage (Ex: PC120V)
- **TPR#** Twist Lock Receptacle Only (Specify # of Pins)
- **Z18T** Zhaga B18 Receptacle Only (Top Mount)
- **Z18B** Zhaga B18 Receptacle Only (Bottom Mount)
- **SF** Single Fuse (120V; 277V)
- **DF** Double Fuse (208V; 240V)

OPTIONS

HS (PLED) Optic Level House-Side/Back Light Shields

Optic-level house-side/backlight shields are affixed over each individual PLED refractor. Shields are opaque black composite and block backlight, optimizing the distribution at the curb line without affecting the forward distribution. See individual IES files for performance.



High-Low Dimming for Switches (HLSW)

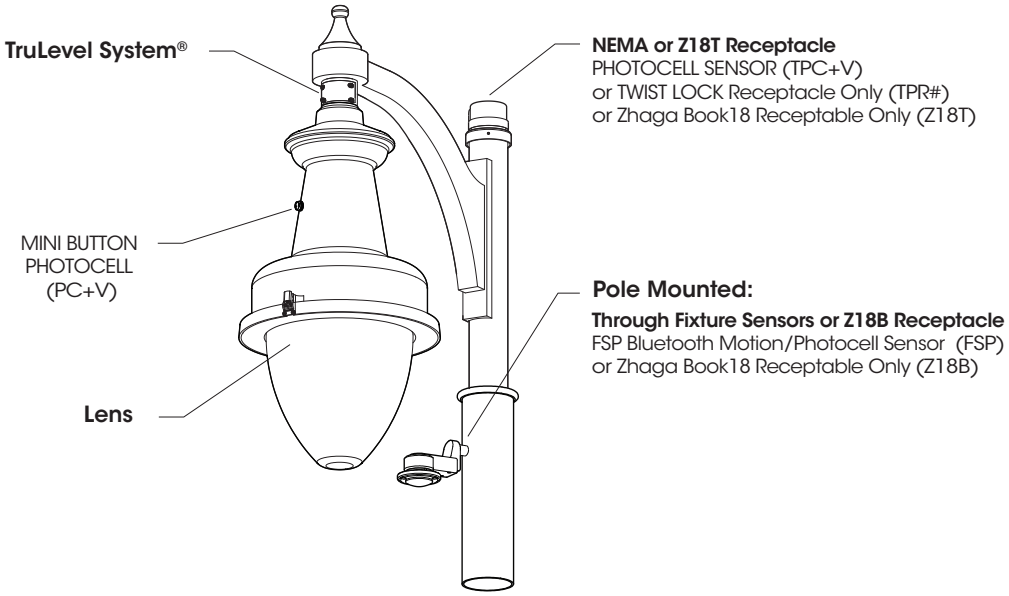
The HLSW is a small electronic switch that provides high-low dimming control through the LED driver's 0-10V control. Switching is done by adding a secondary AC switched hot trigger line to the HLSW in addition to the normal AC power line. When the trigger line is powered, the fixture operates at 100%. With no power to the trigger, the fixture operates at 50% or 25%. Switches for the trigger line can be a normal AC switch/breaker or a timed switch/breaker.

Bluetooth Motion/Photo Sensor (FSP)

The FSP is a PIR motion sensor with an integrated photocell and 0-10V dimming. Point-to-point, programmable with a Bluetooth device and app. Line voltage input. Factory settings: no motion - 50%, motion - 100%, delay - 15 min., photocell - 75fc.

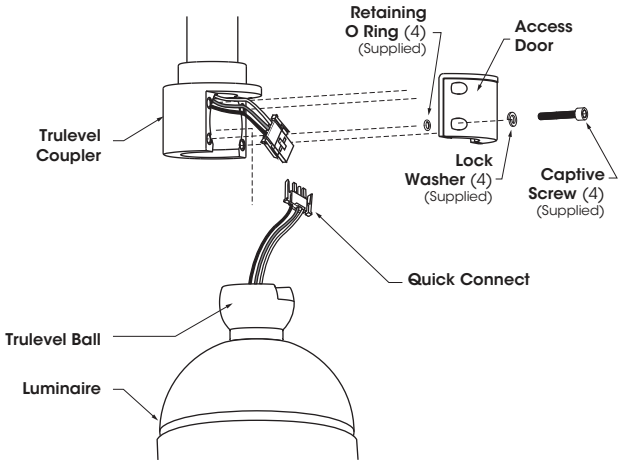
Wireless & Other Fixture Controls & Sensors

A wide variety of sensor and control solutions can be integrated and factory installed. Consult factory for specific project needs. Control and sensor nodes can be mounted to NEMA or Zhaga Book 18 receptacles, as well as through-fixture PIR and microwave sensors. Most outdoor controls and sensors can be supplied with 0-10V (standard) or DALI dimming.

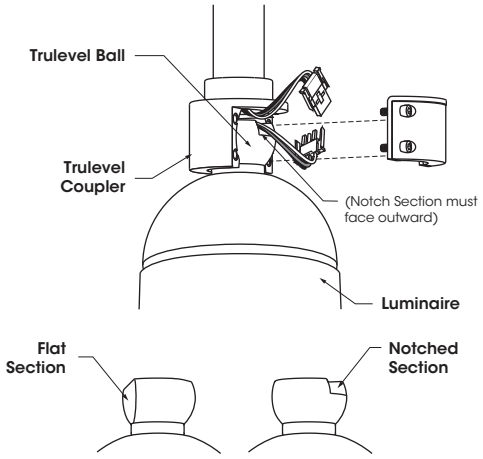


INSTALLATION DETAILS

Trulevel System® Assembly



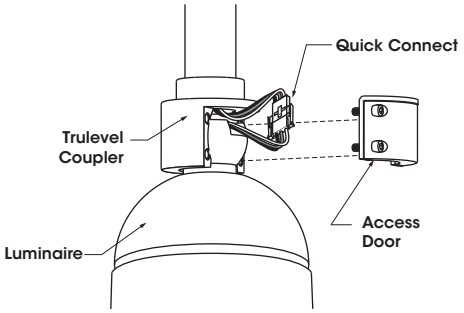
1. Loosen (4) Captive Screws and remove Access Door from Trulevel Coupler, pull out Quick Connect from Trulevel Coupler and Trulevel Ball.



2. Place Trulevel Ball inside of Trulevel Coupler as illustrated.

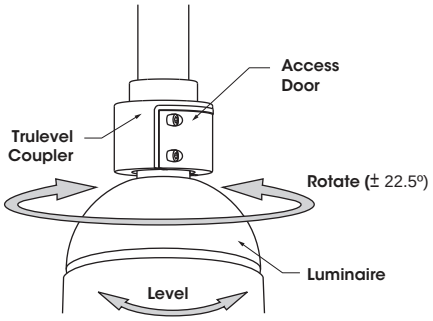
   A - Notched Section of Trulevel Ball must face outward as illustrated.

   B - Flat Section of Trulevel Ball must face inward.



3. Connect Quick Connect components, push components inside of Trulevel Coupler cavity, replace Access Door and loosely secure, do not tighten.

   Fixture will suspend without Access Door during installation.



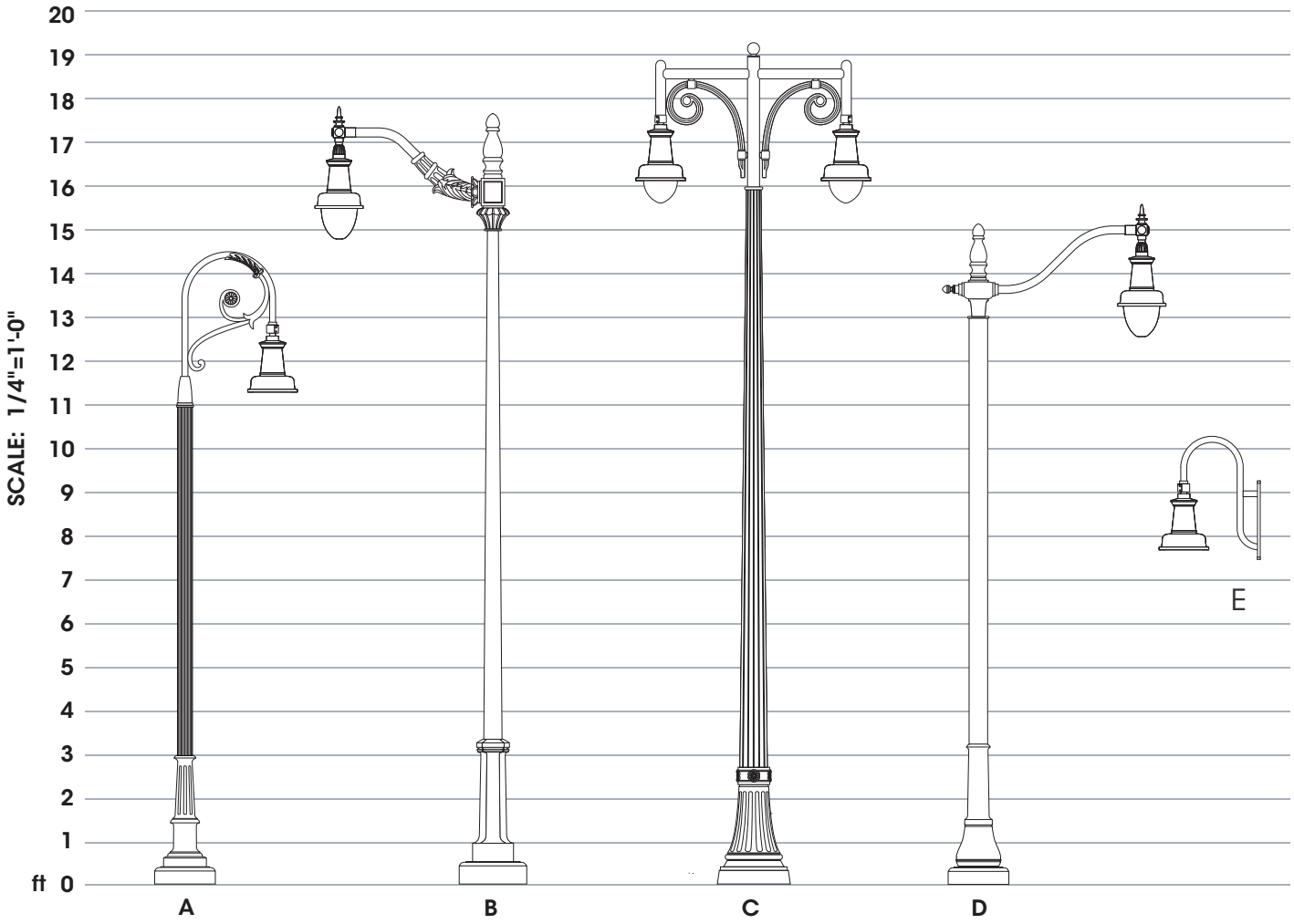
4. Rotate (left to right ± 22.5°) and level Luminaire to desired position. Tighten Access Door.

   (Tighten each bolt to recommended torque: **10 ft-lb, foot-pound**)

   Trulevel Pendant Mount is intended to allow for fixture leveling, but is not intended to be "free-swinging" upon proper installation.

Trulevel® System Assembly

SAMPLE ASSEMBLIES



A. 4-1060-11'/XPO-1/LCL-PM-NL/LED/ACCESSORIES/FINISH
B. 11-1035T-15'/XPY-1/LCL-PRA-D/LED/ACCESSORIES/FINISH
C. 44-1050C-16'/XCR-2-180/LCL-PM-PRA-S/LED/ACCESSORIES/FINISH
D. 85-1050-13'/XPY-S/LCL-PRA-D/LED/ACCESSORIES/FINISH
E. WM-XPJ/LCL-PM-NL/LED/ACCESSORIES/FINISH

Sample Assemblies show a small offering of Poles, Bases, Shafts, Arms, & Luminaires from the U.S. Outdoor Lighting Brand. Please visit usaltg.com for the full product offering.

ELECTRICAL DATA GUIDE - AMPERAGE CHART

Electrical Load			Current (A)				
No. LED	mA	Watts	120V	208V	277V	347V	480V
20	175	11	0.09	0.05	0.04	0.03	0.02
20	350	21	0.18	0.10	0.08	0.06	0.04
20	525	32	0.27	0.15	0.12	0.09	0.07
20	700	43	0.36	0.21	0.16	0.12	0.09
20	875	54	0.45	0.26	0.20	0.16	0.11
20	1050	65	0.54	0.31	0.24	0.19	0.14
36	175	19	0.16	0.09	0.07	0.06	0.04
36	350	38	0.32	0.18	0.14	0.11	0.08
36	525	58	0.48	0.28	0.21	0.17	0.12
36	700	78	0.65	0.37	0.28	0.22	0.16
36	875	97	0.81	0.47	0.35	0.28	0.20
36	1050	117	0.98	0.56	0.42	0.34	0.24
48	175	26	0.21	0.12	0.09	0.07	0.05
48	350	51	0.43	0.25	0.18	0.15	0.11
48	525	77	0.64	0.37	0.28	0.22	0.16
48	700	104	0.86	0.50	0.37	0.30	0.22
48	875	130	1.08	0.62	0.47	0.37	0.27
48	1050	156	1.30	0.75	0.56	0.45	0.33

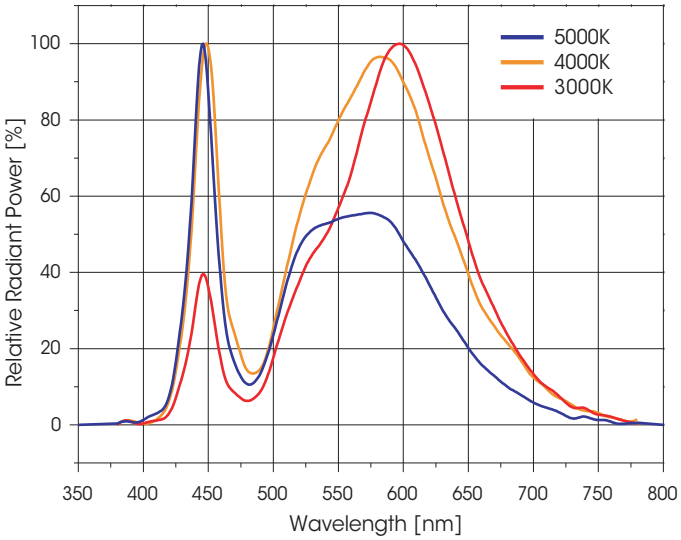
LM-80 LUMEN MAINTENANCE

Drive Current Range	LED Life (Lumen Depreciation)		
	@100,000hrs	@150,000hrs	@200,000hrs
175mA-700mA	L98 (0.98x)	L96 (0.96x)	*L94 (0.94x)
875mA-1050mA	L91 (0.91x)	L86 (0.86x)	*L81 (0.81x)

*Theoretical - Falls Outside of 6x Test Time.

Lumen Depreciation Calculations Done in Accordance With IESNA TM-21 & LM-80 (25°C Ambient)

WHITE LED RELATIVE SPECTRAL BANDWIDTH



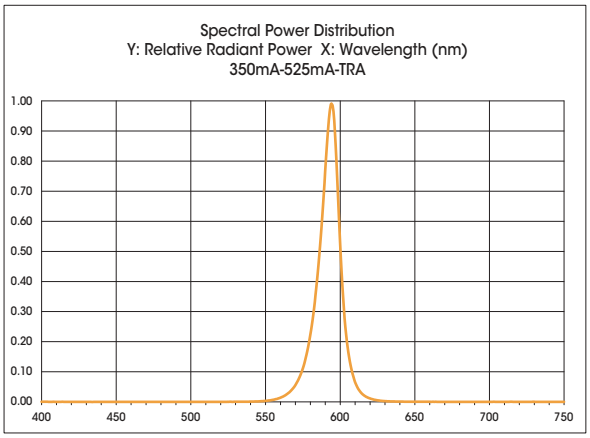
TRUE AMBER (TRA) SPD & PERCENT BLUE LIGHT CALCULATION

BLUE LIGHT CONTENT CALCULATION:

Total Watts (380-700nm)	Total Watts - Blue (400-500nm)	% Blue
17.2408%	0.0071%	**0.04%**

*%Blue = [Total Watts - Blue (400-500) / Total Watts (380-700)] * 100%*

Peak SPD100% : 594nm
SPD50% : 588nm - 602nm



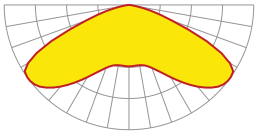
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PHOTOMETRIC GUIDE - PLED-NL OPTICS

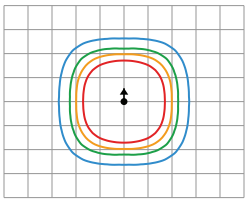
NARROW THROW PLED OPTICS

- Focused Distributions with Lower Max Candelas.
- Designed for High Footcandle Levels (10fc-100fc).
- Tighter Pole Spacings for Uniformity.
- Highest Level of Glare Control.
- Sport Courts, Auto Dealerships, Glare Control Situations.

PLED TYPE-VSQ-N

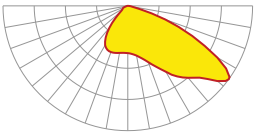


Max CD:
54°V, 45°H

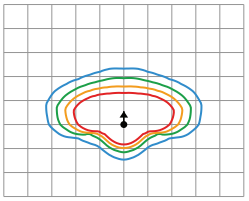


LCS % Luminaire Lumens:
FL=7.3%, FM=31.7%, FH=10.7%, FVH=0.2%
BL=7.3%, BM=31.7%, BH=10.7%, BVH=0.2%
UL=0.0%, UH=0.0%

PLED TYPE-II-FR

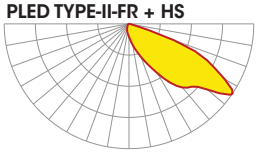


Max CD:
54°V, 73°H

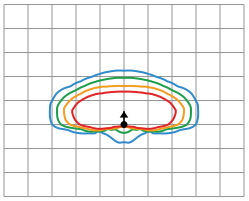


LCS % Luminaire Lumens:
FL=14.7%, FM=49.8%, FH=12.2%, FVH=0.4%
BL=8.9%, BM=11.1%, BH=2.5%, BVH=0.3%
UL=0.0%, UH=0.0%

PLED TYPE-II-FR + HS

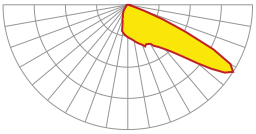


Max CD:
56°V, 75°H

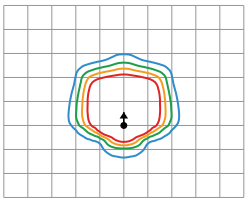


LCS % Luminaire Lumens:
FL=13.9%, FM=63.3%, FH=16.0%, FVH=0.3%
BL=1.4%, BM=3.9%, BH=1.1%, BVH=0.0%
UL=0.0%, UH=0.0%

PLED TYPE-IV-CL

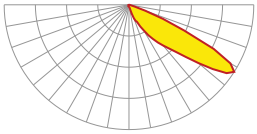


Max CD:
57.5°V, 30°H

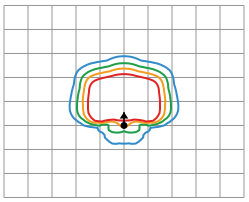


LCS % Luminaire Lumens:
FL=13.6%, FM=56.3%, FH=15.1%, FVH=0.2%
BL=7.5%, BM=6.3%, BH=0.9%, BVH=0.2%
UL=0.0%, UH=0.0%

PLED TYPE-IV-CL + XHS



Max CD:
57.5°V, 30°H

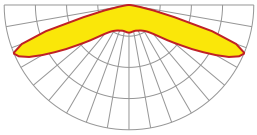


LCS % Luminaire Lumens:
FL=4.9%, FM=70.6%, FH=22.1%, FVH=0.2%
BL=0.7%, BM=1.2%, BH=0.3%, BVH=0.0%
UL=0.0%, UH=0.0%

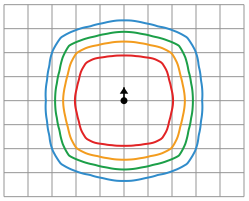
MEDIUM THROW PLED OPTICS

- Standard Area & Roadway Distributions, Max Candela from 64° to 69°.
- Designed for 0.50fc to 10fc.
- Larger Pole Spacings for Uniformity.
- Mid Level of Glare Control.
- Typical Site, Area, & Roadway Applications. Residential Areas.
- Commercial & Industrial.
- IES Low/Medium/High Use Parking Lots.

PLED TYPE-VSQ-M

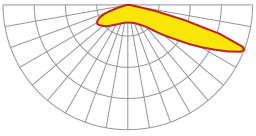


Max CD:
67°V, 45°H

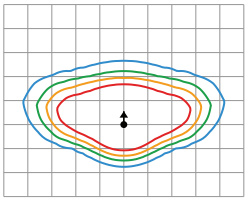


LCS % Luminaire Lumens:
FL=4.1%, FM=21.7%, FH=23.7%, FVH=0.5%
BL=4.1%, BM=21.7%, BH=23.7%, BVH=0.5%
UL=0.0%, UH=0.0%

PLED TYPE-II

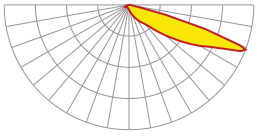


Max CD:
69°V, 77°H

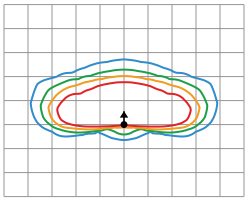


LCS % Luminaire Lumens:
FL=6.5%, FM=33.9%, FH=28.6%, FVH=0.8%
BL=6.3%, BM=17.4%, BH=6.3%, BVH=0.3%
UL=0.0%, UH=0.0%

PLED TYPE-II + HS

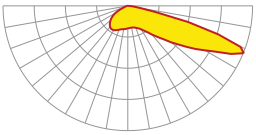


Max CD:
69°V, 77°H

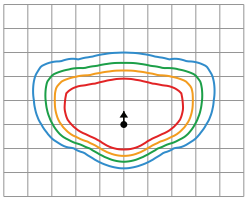


LCS % Luminaire Lumens:
FL=6.9%, FM=48.2%, FH=38.3%, FVH=0.6%
BL=1.0%, BM=2.6%, BH=2.4%, BVH=0.0%
UL=0.0%, UH=0.0%

PLED TYPE-III-M

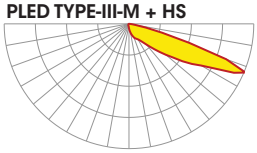


Max CD:
68°V, 61°H

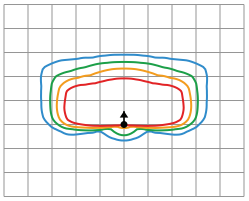


LCS % Luminaire Lumens:
FL=6.4%, FM=33.4%, FH=31.7%, FVH=0.8%
BL=6.5%, BM=16.1%, BH=4.9%, BVH=0.2%
UL=0.0%, UH=0.0%

PLED TYPE-III-M + HS

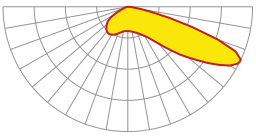


Max CD:
67°V, 60°H

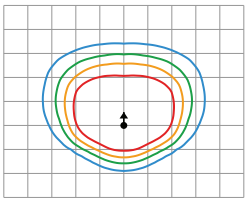


LCS % Luminaire Lumens:
FL=6.2%, FM=45.6%, FH=43.1%, FVH=0.6%
BL=0.9%, BM=2.1%, BH=1.5%, BVH=0.0%
UL=0.0%, UH=0.0%

PLED TYPE-IV

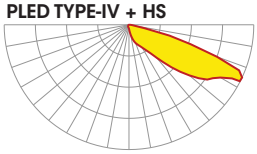


Max CD:
64°V, 52.5°H

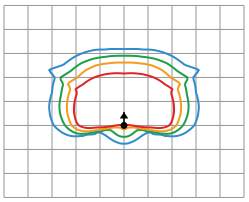


LCS % Luminaire Lumens:
FL=5.9%, FM=35.4%, FH=30.8%, FVH=0.8%
BL=5.8%, BM=16.5%, BH=4.6%, BVH=0.3%
UL=0.0%, UH=0.0%

PLED TYPE-IV + HS



Max CD:
65°V, 54°H



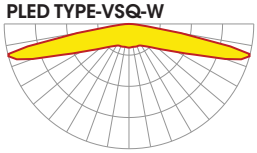
LCS % Luminaire Lumens:
FL=5.6%, FM=50.0%, FH=38.8%, FVH=0.6%
BL=0.8%, BM=2.7%, BH=1.5%, BVH=0.0%
UL=0.0%, UH=0.0%

PHOTOMETRIC GUIDE - PLED-NL OPTICS

WIDE THROW PLED OPTICS

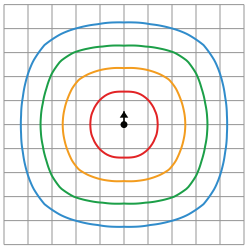
- Wide Throw Distributions, Max Candela from 73° to 75°.
- Designed for 0.50fc to 10fc with Maximum Coverage.
- Largest Pole Spacings for Uniformity.
- Lower Level of Glare Control.
- Typical Site, Area, & Roadway Applications.
- Commercial & Industrial.
- Excellent Bollard Optics for Extreme Coverage.

PLED TYPE-VSQ-W

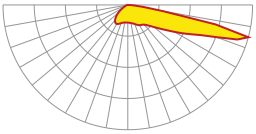


Max CD:
75°V, 45°H

LCS % Luminaire Lumens:
FL=3.5%, FM=15.0%, FH=29.8%, FVH=1.7%
BL=3.5%, BM=15.0%, BH=29.8%, BVH=1.7%
UL=0.0%, UH=0.0%

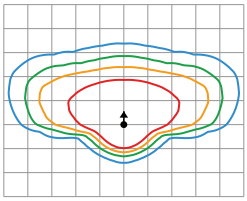


PLED TYPE-III-W

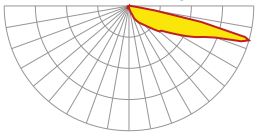


Max CD:
75°V, 68°H

LCS % Luminaire Lumens:
FL=6.4%, FM=28.9%, FH=40.7%, FVH=1.8%
BL=6.5%, BM=11.9%, BH=3.7%, BVH=0.2%
UL=0.0%, UH=0.0%

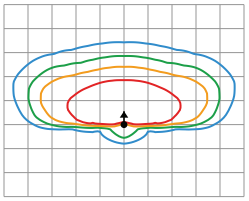


PLED TYPE-III-W + HS

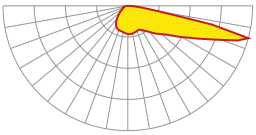


Max CD:
74°V, 69°H

LCS % Luminaire Lumens:
FL=5.3%, FM=38.0%, FH=51.0%, FVH=1.7%
BL=0.8%, BM=1.7%, BH=1.4%, BVH=0.1%
UL=0.0%, UH=0.0%

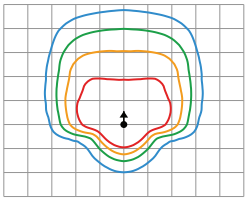


PLED TYPE-IV-FT

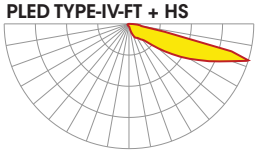


Max CD:
75°V, 30°H

LCS % Luminaire Lumens:
FL=7.2%, FM=28.4%, FH=39.8%, FVH=1.8%
BL=6.9%, BM=11.4%, BH=4.1%, BVH=0.4%
UL=0.0%, UH=0.0%

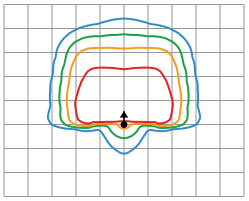


PLED TYPE-IV-FT + HS



Max CD:
73°V, 31°H

LCS % Luminaire Lumens:
FL=3.7%, FM=35.3%, FH=54.4%, FVH=2.1%
BL=0.9%, BM=1.9%, BH=1.6%, BVH=0.0%
UL=0.0%, UH=0.0%



PHOTOMETRIC GUIDE - DarkSky Compliance

Stated compliance below references DarkSky Luminaires Program Guidelines v3.1 published on 10/16/2025. For further information, see the DarkSky International website. Compliance below is based on optical & photometric performance and utilizing LED's with a CCT of 3000K or below. Other Luminaire and mounting requirements should be verified for full compliance depending on options. **PLED-NL (No Lens)** Optic Options required to meet DarkSky criteria:

2.1 Residential DarkSky Luminaire criteria - All PLED-NL Optics meet criteria with a maximum of 1,000 lumen output. PLED-PRA does not qualify.
2.2 Commercial DarkSky Luminaire criteria - All PLED-NL Optics meet criteria. PLED-PRA does not qualify.
2.3 Pedestrian DarkSky Luminaire criteria - For all mounting heights 4ft and below, all PLED-NL Optics meet criteria. For mounting heights above 4ft, all Narrow Throw PLED-NL Optics and the PLED-NL Medium Throw Type-II meet the criteria. PLED-PRA does not qualify.
2.4 Wildlife DarkSky Luminaire criteria - All Narrow Throw PLED-NL Optics meet this criteria with the True Amber (TRA) LED Option and 5,000 Lumen output or less. Determine if HS and/or EGS shields are suitable for beach side shielding depending on application. PLED-PRA does not qualify.

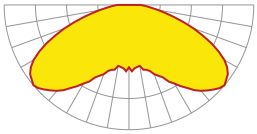
Note: U.S. Outdoor Lighting makes no claim on the validity or suitability of the DarkSky Luminaire Criteria. Information above is strictly to show compliance and suitability. Contact Factory for further information on compliance and options.

PHOTOMETRIC GUIDE - PLED-PRA OPTICS

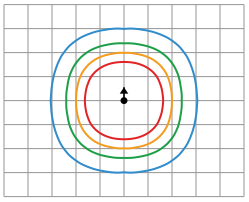
NARROW THROW PLED-PRA OPTICS

- Focused Distributions with Lower Max Candelas.
- Designed for High Footcandle Levels (10fc-100fc).
- Tighter Pole Spacings for Uniformity.
- Highest Level of Glare Control.
- Sport Courts, Auto Dealerships, Glare Control Situations.

PLED TYPE-VSQ-N

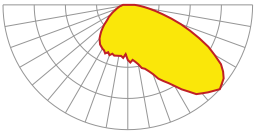


Max CD:
50°V, 45°H

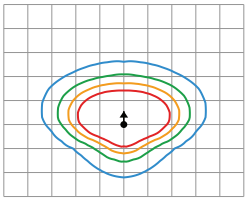


LCS % Luminaire Lumens:
FL=6.5%, FM=26.5%, FH=13.0%, FVH=2.0%
BL=6.5%, BM=26.5%, BH=13.0%, BVH=2.0%
UL=1.8%, UH=2.2%

PLED TYPE-II-FR

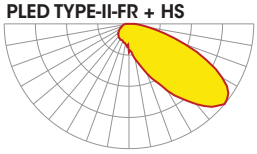


Max CD:
47.5°V, 65°H

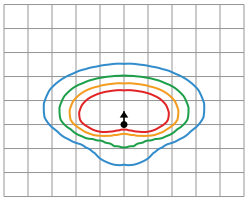


LCS % Luminaire Lumens:
FL=11.8%, FM=39.2%, FH=14.5%, FVH=1.9%
BL=7.3%, BM=14.0%, BH=5.7%, BVH=1.4%
UL=1.7%, UH=2.4%

PLED TYPE-II-FR + HS

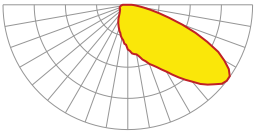


Max CD:
50°V, 65°H

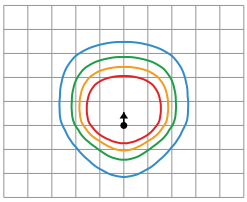


LCS % Luminaire Lumens:
FL=11.2%, FM=47.5%, FH=18.1%, FVH=2.0%
BL=2.9%, BM=8.2%, BH=4.9%, BVH=1.3%
UL=1.6%, UH=2.3%

PLED TYPE-IV-CL

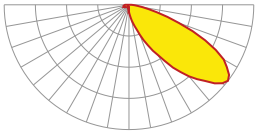


Max CD:
52.5°V, 25°H

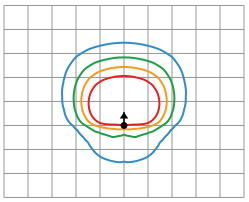


LCS % Luminaire Lumens:
FL=10.9%, FM=44.3%, FH=18.7%, FVH=1.7%
BL=5.9%, BM=9.2%, BH=4.1%, BVH=1.4%
UL=1.6%, UH=2.3%

PLED TYPE-IV-CL + XHS



Max CD:
52.5°V, 0°H

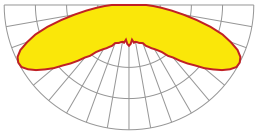


LCS % Luminaire Lumens:
FL=6.2%, FM=52.7%, FH=25.7%, FVH=2.0%
BL=1.1%, BM=3.6%, BH=3.6%, BVH=1.4%
UL=1.6%, UH=2.0%

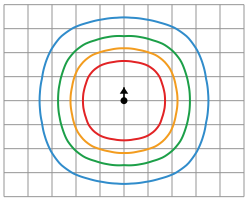
MEDIUM THROW PLED-PRA OPTICS

- Standard Area & Roadway Distributions, Max Candela from 64° to 69°.
- Designed for 0.50fc to 10fc.
- Larger Pole Spacings for Uniformity.
- Mid Level of Glare Control.
- Typical Site, Area, & Roadway Applications. Residential Areas.
- Commercial & Industrial.
- IES Low/Medium/High Use Parking Lots.

PLED TYPE-VSQ-M

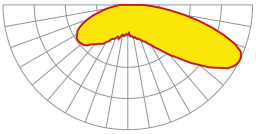


Max CD:
62.5°V, 45°H

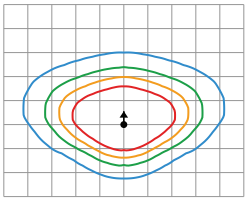


LCS % Luminaire Lumens:
FL=3.9%, FM=20.8%, FH=19.7%, FVH=3.4%
BL=3.9%, BM=20.8%, BH=19.7%, BVH=3.4%
UL=2.5%, UH=2.0%

PLED TYPE-II

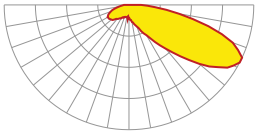


Max CD:
65°V, 75°H

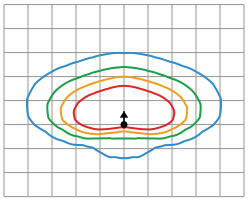


LCS % Luminaire Lumens:
FL=6.0%, FM=29.9%, FH=23.2%, FVH=3.8%
BL=5.2%, BM=16.7%, BH=8.9%, BVH=1.9%
UL=2.2%, UH=2.2%

PLED TYPE-II + HS

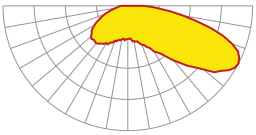


Max CD:
62.5°V, 75°H

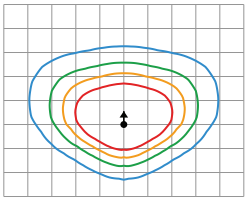


LCS % Luminaire Lumens:
FL=6.2%, FM=39.7%, FH=29.8%, FVH=4.2%
BL=1.7%, BM=6.2%, BH=6.1%, BVH=1.8%
UL=2.2%, UH=2.1%

PLED TYPE-III-M

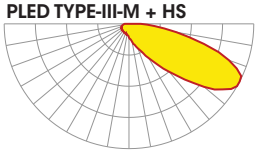


Max CD:
62.5°V, 65°H

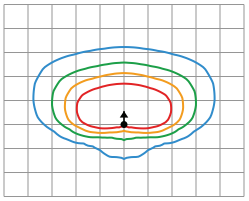


LCS % Luminaire Lumens:
FL=5.9%, FM=30.2%, FH=25.1%, FVH=4.1%
BL=5.3%, BM=15.6%, BH=7.8%, BVH=1.8%
UL=2.3%, UH=2.2%

PLED TYPE-III-M + HS

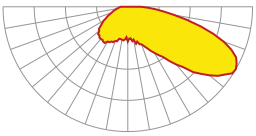


Max CD:
62.5°V, 65°H

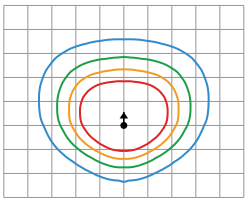


LCS % Luminaire Lumens:
FL=5.8%, FM=39.3%, FH=32.5%, FVH=4.5%
BL=1.7%, BM=5.4%, BH=5.0%, BVH=1.6%
UL=2.3%, UH=2.0%

PLED TYPE-IV

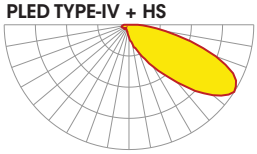


Max CD:
60°V, 45°H

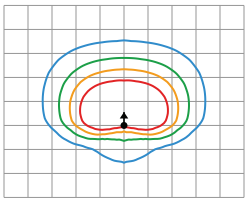


LCS % Luminaire Lumens:
FL=5.5%, FM=31.2%, FH=25.4%, FVH=3.9%
BL=4.9%, BM=15.4%, BH=7.6%, BVH=1.8%
UL=2.2%, UH=2.1%

PLED TYPE-IV + HS



Max CD:
57.5°V, 45°H



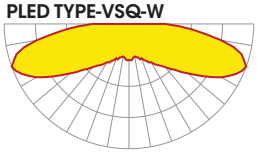
LCS % Luminaire Lumens:
FL=5.5%, FM=41.4%, FH=31.7%, FVH=3.9%
BL=1.5%, BM=5.5%, BH=4.8%, BVH=1.6%
UL=2.1%, UH=2.0%

PHOTOMETRIC GUIDE - PLED-PRA OPTICS

WIDE THROW PLED-PRA OPTICS

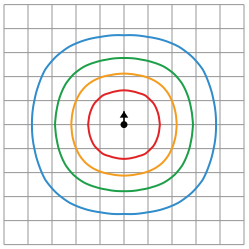
- Wide Throw Distributions, Max Candela from 73° to 75°.
- Designed for 0.50fc to 10fc with Maximum Coverage.
- Largest Pole Spacings for Uniformity.
- Lower Level of Glare Control.
- Typical Site, Area, & Roadway Applications.
- Commercial & Industrial.
- Excellent Bollard Optics for Extreme Coverage.

PLED TYPE-VSQ-W

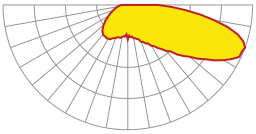


Max CD:
70°V, 55°H

LCS % Luminaire Lumens:
FL=3.2%, FM=15.9%, FH=21.6%, FVH=6.2%
BL=3.2%, BM=15.9%, BH=21.6%, BVH=6.2%
UL=4.3%, UH=2.1%

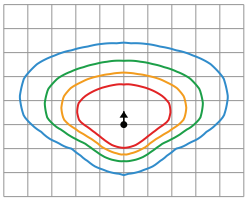


PLED TYPE-III-W

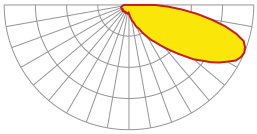


Max CD:
70°V, 65°H

LCS % Luminaire Lumens:
FL=5.6%, FM=27.6%, FH=29.0%, FVH=6.6%
BL=5.1%, BM=12.3%, BH=6.5%, BVH=2.0%
UL=3.1%, UH=2.2%

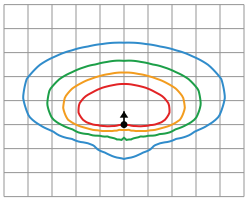


PLED TYPE-III-W + HS

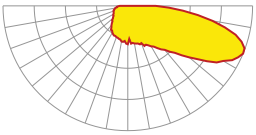


Max CD:
67.5°V, 65°H

LCS % Luminaire Lumens:
FL=4.9%, FM=34.0%, FH=35.6%, FVH=7.6%
BL=1.3%, BM=4.4%, BH=4.9%, BVH=1.8%
UL=3.3%, UH=2.0%

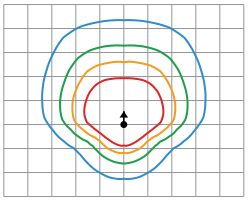


PLED TYPE-IV-FT

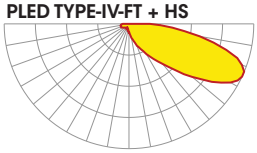


Max CD:
67.5°V, 25°H

LCS % Luminaire Lumens:
FL=5.9%, FM=27.5%, FH=30.6%, FVH=7.0%
BL=5.0%, BM=10.5%, BH=6.0%, BVH=1.9%
UL=3.2%, UH=2.2%

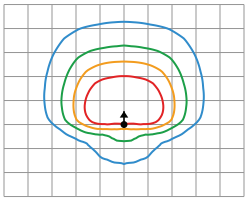


PLED TYPE-IV-FT + HS



Max CD:
65°V, 35°H

LCS % Luminaire Lumens:
FL=3.9%, FM=32.7%, FH=38.5%, FVH=7.8%
BL=1.2%, BM=4.2%, BH=4.6%, BVH=1.8%
UL=3.4%, UH=2.0%



PHOTOMETRIC GUIDE - DarkSky Compliance

Stated compliance below references DarkSky Luminaires Program Guidelines v3.1 published on 10/16/2025. For further information, see the DarkSky International website. Compliance below is based on optical & photometric performance and utilizing LED's with a CCT of 3000K or below. Other Luminaire and mounting requirements should be verified for full compliance depending on options. **PLED-NL (No Lens)** Optic Options required to meet DarkSky criteria:

2.1 Residential DarkSky Luminaire criteria - All PLED-NL Optics meet criteria with a maximum of 1,000 lumen output. PLED-PRA does not qualify.
2.2 Commercial DarkSky Luminaire criteria - All PLED-NL Optics meet criteria. PLED-PRA does not qualify.
2.3 Pedestrian DarkSky Luminaire criteria - For all mounting heights 4ft and below, all PLED-NL Optics meet criteria. For mounting heights above 4ft, all Narrow Throw PLED-NL Optics and the PLED-NL Medium Throw Type-II meet the criteria. PLED-PRA does not qualify.
2.4 Wildlife DarkSky Luminaire criteria - All Narrow Throw PLED-NL Optics meet this criteria with the True Amber (TRA) LED Option and 5,000 Lumen output or less. Determine if HS and/or EGS shields are suitable for beach side shielding depending on application. PLED-PRA does not qualify.

Note: U.S. Outdoor Lighting makes no claim on the validity or suitability of the DarkSky Luminaire Criteria. Information above is strictly to show compliance and suitability. Contact Factory for further information on compliance and options.

PHOTOMETRIC DATA GUIDE - LUMEN TABLES

LCL-PLED-NL																			
No. LED	mA	Watts	Dist'n	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			Watts	TRA (590nm)		
				Lumens	LPW	BUG	Lumens	LPW	BUG	Lumens	LPW	BUG	Lumens	LPW	BUG		Lumens	LPW	BUG
20	175	10.7	II	1733	162	B1-U0-G1	1878	176	B1-U0-G1	1926	180	B1-U0-G1	1974	184	B1-U0-G1	8.3	667	80	B0-U0-G0
			II-FR	1745	163	B1-U0-G0	1891	177	B1-U0-G0	1939	181	B1-U0-G0	1988	186	B1-U0-G0		672	81	B0-U0-G0
			III-M	1764	165	B1-U0-G1	1911	179	B1-U0-G1	1960	183	B1-U0-G1	2009	188	B1-U0-G1		679	82	B0-U0-G0
			III-W	1637	153	B0-U0-G1	1774	166	B1-U0-G1	1820	170	B1-U0-G1	1865	174	B1-U0-G1		630	76	B0-U0-G1
			IV	1750	164	B1-U0-G1	1896	177	B1-U0-G1	1945	182	B1-U0-G1	1993	186	B1-U0-G1		674	81	B0-U0-G0
			IV-CL	1752	164	B1-U0-G0	1899	177	B1-U0-G0	1947	182	B1-U0-G0	1995	186	B1-U0-G0		675	81	B0-U0-G0
			IV-FT	1594	149	B0-U0-G1	1728	161	B1-U0-G1	1772	166	B1-U0-G1	1816	170	B1-U0-G1		614	74	B0-U0-G1
			VSQ-M	1794	168	B1-U0-G0	1944	182	B1-U0-G0	1993	186	B1-U0-G0	2043	191	B1-U0-G0		690	83	B1-U0-G0
			VSQ-N	1829	171	B1-U0-G0	1982	185	B1-U0-G0	2033	190	B1-U0-G0	2084	195	B1-U0-G0		704	85	B1-U0-G0
			VSQ-W	1751	164	B2-U0-G1	1897	177	B2-U0-G1	1946	182	B2-U0-G1	1994	186	B2-U0-G1		674	81	B1-U0-G1
			II-HS	1268	119	B0-U0-G0	1374	128	B0-U0-G0	1409	132	B0-U0-G0	1444	135	B0-U0-G0		488	59	B0-U0-G0
			II-FR-HS	1290	121	B0-U0-G0	1398	131	B0-U0-G0	1433	134	B0-U0-G0	1468	137	B0-U0-G0		497	60	B0-U0-G0
			III-M-HS	1283	120	B0-U0-G0	1390	130	B0-U0-G0	1425	133	B0-U0-G0	1461	137	B0-U0-G0		494	60	B0-U0-G0
			III-W-HS	1255	117	B0-U0-G1	1360	127	B0-U0-G1	1395	130	B0-U0-G1	1429	134	B0-U0-G1		483	58	B0-U0-G0
			IV-HS	1325	124	B0-U0-G0	1436	134	B0-U0-G0	1472	138	B0-U0-G0	1509	141	B0-U0-G0		510	61	B0-U0-G0
			IV-FT-HS	1252	117	B0-U0-G1	1357	127	B0-U0-G1	1391	130	B0-U0-G1	1426	133	B0-U0-G1		482	58	B0-U0-G1
			IV-CL-XHS	1162	109	B0-U0-G0	1260	118	B0-U0-G0	1291	121	B0-U0-G0	1323	124	B0-U0-G0		447	54	B0-U0-G0
20	350	21.3	II	3333	156	B1-U0-G1	3612	170	B1-U0-G1	3704	174	B1-U0-G1	3796	178	B1-U0-G1	16.6	1081	65	B0-U0-G0
			II-FR	3356	158	B1-U0-G1	3636	171	B1-U0-G1	3729	175	B1-U0-G1	3822	179	B1-U0-G1		1088	66	B0-U0-G0
			III-M	3392	159	B1-U0-G1	3675	173	B1-U0-G1	3769	177	B1-U0-G1	3863	181	B1-U0-G1		1100	66	B0-U0-G0
			III-W	3149	148	B1-U0-G1	3412	160	B1-U0-G1	3499	164	B1-U0-G1	3587	168	B1-U0-G1		1021	62	B0-U0-G1
			IV	3366	158	B1-U0-G1	3647	171	B1-U0-G1	3740	176	B1-U0-G1	3834	180	B1-U0-G1		1091	66	B0-U0-G0
			IV-CL	3370	158	B1-U0-G0	3651	171	B1-U0-G0	3745	176	B1-U0-G0	3838	180	B1-U0-G0		1093	66	B0-U0-G0
			IV-FT	3066	144	B1-U0-G1	3322	156	B1-U0-G1	3407	160	B1-U0-G1	3492	164	B1-U0-G1		994	60	B0-U0-G1
			VSQ-M	3450	162	B2-U0-G1	3738	175	B2-U0-G1	3834	180	B2-U0-G1	3929	184	B2-U0-G1		1118	67	B1-U0-G0
			VSQ-N	3518	165	B2-U0-G0	3812	179	B2-U0-G0	3909	184	B2-U0-G0	4007	188	B2-U0-G0		1141	69	B1-U0-G0
			VSQ-W	3368	158	B3-U0-G1	3648	171	B3-U0-G1	3742	176	B3-U0-G1	3836	180	B3-U0-G1		1091	66	B1-U0-G1
			II-HS	2438	114	B0-U0-G1	2642	124	B0-U0-G1	2709	127	B0-U0-G1	2776	130	B0-U0-G1		790	48	B0-U0-G0
			II-FR-HS	2480	116	B0-U0-G0	2687	126	B0-U0-G0	2756	129	B0-U0-G0	2824	133	B0-U0-G0		804	48	B0-U0-G0
			III-M-HS	2467	116	B0-U0-G1	2672	125	B0-U0-G1	2741	129	B0-U0-G1	2809	132	B0-U0-G1		800	48	B0-U0-G0
			III-W-HS	2414	113	B0-U0-G1	2616	123	B0-U0-G1	2683	126	B0-U0-G1	2749	129	B0-U0-G1		783	47	B0-U0-G1
			IV-HS	2548	120	B0-U0-G1	2760	130	B0-U0-G1	2831	133	B0-U0-G1	2901	136	B0-U0-G1		826	50	B0-U0-G0
			IV-FT-HS	2407	113	B0-U0-G1	2609	122	B0-U0-G1	2675	126	B0-U0-G1	2742	129	B0-U0-G1		780	47	B0-U0-G1
			IV-CL-XHS	2235	105	B0-U0-G0	2421	114	B0-U0-G0	2483	117	B0-U0-G0	2545	119	B0-U0-G0		725	44	B0-U0-G0
20	525	32.2	II	4834	150	B1-U0-G1	5237	163	B1-U0-G1	5372	167	B1-U0-G1	5506	171	B1-U0-G1	25.1	1274	51	B1-U0-G1
			II-FR	4867	151	B1-U0-G1	5272	164	B1-U0-G1	5408	168	B1-U0-G1	5543	172	B1-U0-G1		1282	51	B1-U0-G0
			III-M	4919	153	B1-U0-G1	5329	165	B1-U0-G1	5465	170	B1-U0-G1	5602	174	B1-U0-G1		1296	52	B0-U0-G0
			III-W	4567	142	B1-U0-G2	4948	154	B1-U0-G2	5075	158	B1-U0-G2	5202	162	B1-U0-G2		1203	48	B0-U0-G1
			IV	4882	152	B1-U0-G1	5289	164	B1-U0-G1	5425	168	B1-U0-G1	5560	173	B1-U0-G1		1286	51	B0-U0-G1
			IV-CL	4887	152	B1-U0-G1	5295	164	B1-U0-G1	5431	169	B1-U0-G1	5566	173	B1-U0-G1		1288	51	B0-U0-G0
			IV-FT	4447	138	B1-U0-G1	4818	150	B1-U0-G2	4941	153	B1-U0-G2	5065	157	B1-U0-G2		1172	47	B0-U0-G1
			VSQ-M	5003	155	B3-U0-G1	5421	168	B3-U0-G1	5560	173	B3-U0-G1	5698	177	B3-U0-G1		1318	53	B1-U0-G0
			VSQ-N	5102	158	B2-U0-G1	5528	172	B2-U0-G1	5669	176	B2-U0-G1	5811	180	B2-U0-G1		1344	54	B1-U0-G0
			VSQ-W	4884	152	B3-U0-G1	5291	164	B3-U0-G1	5427	169	B3-U0-G1	5562	173	B3-U0-G1		1287	51	B1-U0-G1
			II-HS	3535	110	B0-U0-G1	3831	119	B0-U0-G1	3928	122	B0-U0-G1	4026	125	B0-U0-G1		932	37	B0-U0-G0
			II-FR-HS	3596	112	B0-U0-G1	3897	121	B0-U0-G1	3996	124	B0-U0-G1	4096	127	B0-U0-G1		948	38	B0-U0-G0
			III-M-HS	3577	111	B0-U0-G1	3875	120	B0-U0-G1	3974	123	B0-U0-G1	4074	127	B0-U0-G1		942	38	B0-U0-G0
			III-W-HS	3501	109	B0-U0-G1	3793	118	B0-U0-G2	3890	121	B0-U0-G2	3987	124	B0-U0-G2		923	37	B0-U0-G1
			IV-HS	3695	115	B0-U0-G1	4003	124	B0-U0-G1	4105	127	B0-U0-G1	4208	131	B0-U0-G1		973	39	B0-U0-G0
			IV-FT-HS	3491	108	B0-U0-G2	3783	117	B0-U0-G2	3880	120	B0-U0-G2	3976	123	B0-U0-G2		920	37	B0-U0-G1
			IV-CL-XHS	3241	101	B0-U0-G1	3512	109	B0-U0-G1	3601	112	B0-U0-G1	3691	115	B0-U0-G1		854	34	B0-U0-G0
20	700	43.1	II	6196	144	B2-U0-G1	6713	156	B2-U0-G2	6885	160	B2-U0-G2	7057	164	B2-U0-G2	N/A	N/A		
			II-FR	6238	145	B2-U0-G1	6758	157	B2-U0-G1	6931	161	B2-U0-G1	7104	165	B2-U0-G1				
			III-M	6304	146	B2-U0-G2	6830	158	B2-U0-G2	7005	163	B2-U0-G2	7180	167	B2-U0-G2				
			III-W	5854	136	B1-U0-G2	6342	147	B1-U0-G2	6504	151	B1-U0-G2	6667	155	B1-U0-G2				
			IV	6257	145	B2-U0-G2	6779	157	B2-U0-G2	6953	161	B2-U0-G2	7126	165	B2-U0-G2				
			IV-CL	6264	145	B1-U0-G1	6787	157	B2-U0-G1	6961	162	B2-U0-G1	7134	166	B2-U0-G1				
			IV-FT	5700	132	B1-U0-G2	6175	143	B1-U0-G2	6333	147	B1-U0-G2	6491	151	B1-U0-G2				
			VSQ-M	6413	149	B3-U0-G1	6948	161	B3-U0-G1	7126	165	B3-U0-G1	7304	169	B3-U0-G1				
			VSQ-N	6540	152	B2-U0-G1	7085	164	B2-U0-G1	7267	169	B2-U0-G1	7448	173	B2-U0-G1				
			VSQ-W	6260	145	B3-U0-G2	6782	157	B3-U0-G2	6956	161	B3-U0-G2	7129	165	B3-U0-G2				
			II-HS	4531	105	B0-U0-G1	4910	114	B1-U0-G2	5035	117	B1-U0-G2	5161	120	B1-U0-G2				
			II-FR-HS	4610	107	B0-U0-G1	4994	116	B0-U0-G1	5122	119	B0-U0-G1	5250	122	B0-U0-G1				
			III-M-HS	4585	106	B0-U0-G2	4967	115	B0-U0-G2	5094	118	B0-U0-G2	5221	121	B0-U0-G2				
			III-W-HS	4488	104	B0-U0-G2	4862	113	B0-U0-G2	4986	116	B0-U0-G2	5111	119	B0-U0-G2				
			IV-HS	4735	110	B0-U0-G2	5130	119	B0-U0-G2	5262	122	B0-U0-G2	5393	125	B0-U0-G2				
			IV-FT-HS	4475	104	B0-U0-G2	4848	112	B0-U0-G2	4973	115	B0-U0-G2	5097	118	B0-U0-G2				
			IV-CL-XHS	4154	96	B0-U0-G1	4501	104	B0-U0-G1	4616	107	B0-U0-G1	4731	110	B0-U0-G1				

PHOTOMETRIC DATA GUIDE - LUMEN TABLES

LCL-PLED-NL																		
No. LED	mA	Watts	Dist'n	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			Watts	TRA (590nm)		
				Lumens	LPW	BUG	Lumens	LPW	BUG	Lumens	LPW	BUG	Lumens	LPW	BUG		Lumens	LPW	BUG
20	875	54.1	II	7432	137	B2-U0-G2	8052	149	B2-U0-G2	8258	153	B2-U0-G2	8464	156	B2-U0-G2	N/A	N/A		
			II-FR	7482	138	B2-U0-G1	8106	150	B2-U0-G1	8313	154	B2-U0-G1	8521	158	B2-U0-G1				
			III-M	7562	140	B2-U0-G2	8193	151	B2-U0-G2	8403	155	B2-U0-G2	8613	159	B2-U0-G2				
			III-W	7021	130	B1-U0-G2	7607	141	B1-U0-G2	7802	144	B2-U0-G2	7996	148	B2-U0-G2				
			IV	7505	139	B2-U0-G2	8131	150	B2-U0-G2	8339	154	B2-U0-G2	8548	158	B2-U0-G2				
			IV-CL	7514	139	B2-U0-G1	8140	150	B2-U0-G1	8349	154	B2-U0-G1	8557	158	B2-U0-G1				
			IV-FT	6837	126	B1-U0-G2	7407	137	B2-U0-G2	7597	140	B2-U0-G2	7787	144	B2-U0-G2				
			VSQ-M	7692	142	B3-U0-G2	8334	154	B3-U0-G2	8547	158	B3-U0-G2	8761	162	B3-U0-G2				
			VSQ-N	7845	145	B2-U0-G1	8498	157	B3-U0-G1	8716	161	B3-U0-G1	8934	165	B3-U0-G1				
			VSQ-W	7508	139	B3-U0-G2	8135	150	B3-U0-G2	8343	154	B3-U0-G2	8551	158	B4-U0-G2				
			II-HS	5435	100	B1-U0-G2	5889	109	B1-U0-G2	6040	112	B1-U0-G2	6190	114	B1-U0-G2				
			II-FR-HS	5529	102	B0-U0-G1	5990	111	B1-U0-G1	6144	114	B1-U0-G1	6297	116	B1-U0-G1				
			III-M-HS	5499	102	B0-U0-G2	5958	110	B0-U0-G2	6110	113	B0-U0-G2	6263	116	B0-U0-G2				
			III-W-HS	5382	99	B0-U0-G2	5832	108	B0-U0-G2	5981	111	B0-U0-G2	6130	113	B0-U0-G2				
			IV-HS	5680	105	B0-U0-G2	6154	114	B0-U0-G2	6311	117	B0-U0-G2	6469	120	B0-U0-G2				
			IV-FT-HS	5368	99	B0-U0-G2	5815	107	B0-U0-G2	5964	110	B0-U0-G2	6113	113	B0-U0-G2				
			IV-CL-XHS	4983	92	B0-U0-G1	5399	100	B0-U0-G1	5537	102	B0-U0-G1	5675	105	B0-U0-G1				
20	1050	65.1	II	8530	131	B2-U0-G2	9241	142	B2-U0-G2	9478	146	B2-U0-G2	9714	149	B2-U0-G2	N/A	N/A		
			II-FR	8587	132	B2-U0-G1	9303	143	B2-U0-G1	9541	147	B2-U0-G1	9780	150	B2-U0-G1				
			III-M	8679	133	B2-U0-G2	9403	144	B2-U0-G2	9644	148	B2-U0-G2	9885	152	B2-U0-G2				
			III-W	8058	124	B2-U0-G2	8730	134	B2-U0-G2	8954	138	B2-U0-G2	9178	141	B2-U0-G2				
			IV	8614	132	B2-U0-G2	9332	143	B2-U0-G2	9571	147	B2-U0-G2	9810	151	B2-U0-G2				
			IV-CL	8623	132	B2-U0-G1	9342	144	B2-U0-G1	9582	147	B2-U0-G1	9821	151	B2-U0-G1				
			IV-FT	7846	121	B2-U0-G2	8501	131	B2-U0-G2	8718	134	B2-U0-G2	8936	137	B2-U0-G2				
			VSQ-M	8828	136	B3-U0-G2	9565	147	B3-U0-G2	9809	151	B3-U0-G2	10054	154	B3-U0-G2				
			VSQ-N	9003	138	B3-U0-G1	9753	150	B3-U0-G1	10003	154	B3-U0-G1	10253	157	B3-U0-G1				
			VSQ-W	8617	132	B4-U0-G2	9336	143	B4-U0-G2	9575	147	B4-U0-G2	9815	151	B4-U0-G2				
			II-HS	6238	96	B1-U0-G2	6758	104	B1-U0-G2	6931	106	B1-U0-G2	7105	109	B1-U0-G2				
			II-FR-HS	6346	97	B1-U0-G1	6875	106	B1-U0-G1	7051	108	B1-U0-G1	7227	111	B1-U0-G1				
			III-M-HS	6311	97	B0-U0-G2	6838	105	B0-U0-G2	7013	108	B0-U0-G2	7188	110	B0-U0-G2				
			III-W-HS	6177	95	B0-U0-G2	6693	103	B0-U0-G2	6864	105	B0-U0-G2	7036	108	B0-U0-G2				
			IV-HS	6519	100	B0-U0-G2	7062	108	B0-U0-G2	7243	111	B0-U0-G2	7424	114	B1-U0-G2				
			IV-FT-HS	6160	95	B0-U0-G2	6674	103	B0-U0-G2	6845	105	B1-U0-G2	7016	108	B1-U0-G2				
			IV-CL-XHS	5719	88	B0-U0-G1	6196	95	B0-U0-G1	6354	98	B0-U0-G1	6513	100	B0-U0-G1				
36	175	19.3	II	3120	162	B1-U0-G1	3380	175	B1-U0-G1	3467	180	B1-U0-G1	3553	184	B1-U0-G1	15.1	1280	85	B1-U0-G1
			II-FR	3141	163	B1-U0-G1	3403	176	B1-U0-G1	3490	181	B1-U0-G1	3577	185	B1-U0-G1		1289	85	B1-U0-G0
			III-M	3174	164	B1-U0-G1	3440	178	B1-U0-G1	3528	183	B1-U0-G1	3616	187	B1-U0-G1		1303	86	B0-U0-G0
			III-W	2948	153	B1-U0-G1	3194	165	B1-U0-G1	3275	170	B1-U0-G1	3357	174	B1-U0-G1		1210	80	B0-U0-G1
			IV	3151	163	B1-U0-G1	3414	177	B1-U0-G1	3501	181	B1-U0-G1	3589	186	B1-U0-G1		1293	86	B0-U0-G1
			IV-CL	3154	163	B1-U0-G0	3417	177	B1-U0-G0	3505	182	B1-U0-G0	3592	186	B1-U0-G0		1294	86	B0-U0-G0
			IV-FT	2870	149	B1-U0-G1	3109	161	B1-U0-G1	3189	165	B1-U0-G1	3269	169	B1-U0-G1		1178	78	B0-U0-G1
			VSQ-M	3230	167	B2-U0-G1	3499	181	B2-U0-G1	3588	186	B2-U0-G1	3678	191	B2-U0-G1		1325	88	B1-U0-G0
			VSQ-N	3293	171	B2-U0-G0	3568	185	B2-U0-G0	3659	190	B2-U0-G0	3751	194	B2-U0-G0		1351	89	B1-U0-G0
			VSQ-W	3152	163	B2-U0-G1	3415	177	B3-U0-G1	3503	182	B3-U0-G1	3590	186	B3-U0-G1		1293	86	B1-U0-G1
			II-HS	2282	118	B0-U0-G1	2473	128	B0-U0-G1	2536	131	B0-U0-G1	2599	135	B0-U0-G1		936	62	B0-U0-G0
			II-FR-HS	2321	120	B0-U0-G0	2515	130	B0-U0-G0	2579	134	B0-U0-G0	2644	137	B0-U0-G0		953	63	B0-U0-G0
			III-M-HS	2309	120	B0-U0-G1	2502	130	B0-U0-G1	2565	133	B0-U0-G1	2629	136	B0-U0-G1		948	63	B0-U0-G0
			III-W-HS	2260	117	B0-U0-G1	2448	127	B0-U0-G1	2511	130	B0-U0-G1	2573	133	B0-U0-G1		928	61	B0-U0-G1
			IV-HS	2385	124	B0-U0-G1	2584	134	B0-U0-G1	2650	137	B0-U0-G1	2716	141	B0-U0-G1		979	65	B0-U0-G0
			IV-FT-HS	2253	117	B0-U0-G1	2441	126	B0-U0-G1	2504	130	B0-U0-G1	2567	133	B0-U0-G1		925	61	B0-U0-G1
			IV-CL-XHS	2092	108	B0-U0-G0	2267	117	B0-U0-G0	2324	120	B0-U0-G0	2382	123	B0-U0-G0		858	57	B0-U0-G0
36	350	38.4	II	6000	156	B2-U0-G1	6500	169	B2-U0-G2	6667	174	B2-U0-G2	6834	178	B2-U0-G2	30	2074	69	B1-U0-G1
			II-FR	6040	157	B2-U0-G1	6544	170	B2-U0-G1	6712	175	B2-U0-G1	6880	179	B2-U0-G1		2088	70	B1-U0-G0
			III-M	6105	159	B1-U0-G2	6614	172	B2-U0-G2	6784	177	B2-U0-G2	6953	181	B2-U0-G2		2110	70	B1-U0-G1
			III-W	5669	148	B1-U0-G2	6141	160	B1-U0-G2	6299	164	B1-U0-G2	6456	168	B1-U0-G2		1959	65	B1-U0-G1
			IV	6059	158	B2-U0-G2	6565	171	B2-U0-G2	6733	175	B2-U0-G2	6901	180	B2-U0-G2		2094	70	B1-U0-G1
			IV-CL	6066	158	B1-U0-G1	6572	171	B1-U0-G1	6740	176	B2-U0-G1	6909	180	B2-U0-G1		2097	70	B1-U0-G0
			IV-FT	5519	144	B1-U0-G2	5980	156	B1-U0-G2	6133	160	B1-U0-G2	6286	164	B1-U0-G2		1908	64	B1-U0-G1
			VSQ-M	6210	162	B3-U0-G1	6728	175	B3-U0-G1	6901	180	B3-U0-G1	7073	184	B3-U0-G1		2147	72	B2-U0-G0
			VSQ-N	6333	165	B2-U0-G1	6861	179	B2-U0-G1	7037	183	B2-U0-G1	7213	188	B2-U0-G1		2189	73	B1-U0-G0
			VSQ-W	6062	158	B3-U0-G2	6568	171	B3-U0-G2	6736	175	B3-U0-G2	6904	180	B3-U0-G2		2095	70	B2-U0-G1
			II-HS	4388	114	B0-U0-G1	4754	124	B1-U0-G2	4876	127	B1-U0-G2	4998	130	B1-U0-G2		1517	51	B0-U0-G0
			II-FR-HS	4464	116	B0-U0-G1	4836	126	B0-U0-G1	4960	129	B0-U0-G1	5084	132	B0-U0-G1		1543	51	B0-U0-G0
			III-M-HS	4439	116	B0-U0-G2	4810	125	B0-U0-G2	4933	128	B0-U0-G2	5056	132	B0-U0-G2		1535	51	B0-U0-G1
			III-W-HS	4345	113	B0-U0-G2	4708	123	B0-U0-G2	4828	126	B0-U0-G2	4949	129	B0-U0-G2		1502	50	B0-U0-G1
			IV-HS	4585	119	B0-U0-G1	4968	129	B0-U0-G2	5095	133	B0-U0-G2	5222	136	B0-U0-G2		1585	53	B0-U0-G0
			IV-FT-HS	4333	113	B0-U0-G2	4695	122	B0-U0-G2	4815	125	B0-U0-G2	4935	129	B0-U0-G2		1498	50	B0-U0-G1
			IV-CL-XHS	4023	105	B0-U0-G1	4358	113	B0-U0-G1	4470	116	B0-U0-G1	4582	119	B0-U0-G1		1391	46	B0-U0-G0

PHOTOMETRIC DATA GUIDE - LUMEN TABLES

LCL-PLED-NL																			
No. LED	mA	Watts	Dist'n	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			Watts	TRA (590nm)		
				Lumens	LPW	BUG	Lumens	LPW	BUG	Lumens	LPW	BUG	Lumens	LPW	BUG		Lumens	LPW	BUG
36	525	58	II	8701	150	B2-U0-G2	9427	163	B2-U0-G2	9669	167	B2-U0-G2	9910	171	B2-U0-G2	45.2	2445	54	B1-U0-G1
			II-FR	8760	151	B2-U0-G1	9490	164	B2-U0-G1	9734	168	B2-U0-G1	9977	172	B2-U0-G1		2461	54	B1-U0-G1
			III-M	8854	153	B2-U0-G2	9592	165	B2-U0-G2	9838	170	B2-U0-G2	10084	174	B2-U0-G2		2487	55	B1-U0-G1
			III-W	8220	142	B2-U0-G2	8906	154	B2-U0-G2	9134	157	B2-U0-G2	9363	161	B2-U0-G2		2310	51	B1-U0-G1
			IV	8787	152	B2-U0-G2	9520	164	B2-U0-G2	9764	168	B2-U0-G2	10008	173	B2-U0-G2		2469	55	B1-U0-G1
			IV-CL	8797	152	B2-U0-G1	9531	164	B2-U0-G1	9775	169	B2-U0-G1	10019	173	B2-U0-G1		2471	55	B1-U0-G0
			IV-FT	8004	138	B2-U0-G2	8672	150	B2-U0-G2	8894	153	B2-U0-G2	9116	157	B2-U0-G2		2249	50	B1-U0-G1
			VSQ-M	9006	155	B3-U0-G2	9757	168	B3-U0-G2	10007	173	B3-U0-G2	10257	177	B3-U0-G2		2530	56	B2-U0-G1
			VSQ-N	9184	158	B3-U0-G1	9950	172	B3-U0-G1	10205	176	B3-U0-G1	10460	180	B3-U0-G1		2580	57	B1-U0-G0
			VSQ-W	8791	152	B4-U0-G2	9524	164	B4-U0-G2	9768	168	B4-U0-G2	10012	173	B4-U0-G2		2469	55	B2-U0-G1
			II-HS	6364	110	B1-U0-G2	6895	119	B1-U0-G2	7071	122	B1-U0-G2	7248	125	B1-U0-G2		1788	40	B0-U0-G1
			II-FR-HS	6474	112	B1-U0-G1	7013	121	B1-U0-G1	7193	124	B1-U0-G1	7373	127	B1-U0-G1		1819	40	B0-U0-G0
			III-M-HS	6438	111	B0-U0-G2	6976	120	B0-U0-G2	7154	123	B0-U0-G2	7333	126	B0-U0-G2		1809	40	B0-U0-G1
			III-W-HS	6302	109	B0-U0-G2	6827	118	B0-U0-G2	7002	121	B0-U0-G2	7177	124	B0-U0-G2		1770	39	B0-U0-G1
			IV-HS	6650	115	B0-U0-G2	7205	124	B0-U0-G2	7389	127	B1-U0-G2	7574	131	B1-U0-G2		1868	41	B0-U0-G1
			IV-FT-HS	6285	108	B0-U0-G2	6809	117	B1-U0-G2	6983	120	B1-U0-G2	7157	123	B1-U0-G2		1766	39	B0-U0-G1
			IV-CL-XHS	5834	101	B0-U0-G1	6320	109	B0-U0-G1	6482	112	B0-U0-G1	6644	115	B0-U0-G1		1639	36	B0-U0-G0
36	700	77.6	II	11153	144	B2-U0-G2	12083	156	B2-U0-G2	12392	160	B2-U0-G2	12702	164	B2-U0-G2	N/A	N/A		
			II-FR	11228	145	B3-U0-G1	12164	157	B3-U0-G1	12476	161	B3-U0-G1	12787	165	B3-U0-G1				
			III-M	11348	146	B2-U0-G2	12294	158	B2-U0-G2	12609	162	B2-U0-G2	12924	167	B2-U0-G2				
			III-W	10537	136	B2-U0-G2	11415	147	B2-U0-G2	11708	151	B2-U0-G2	12000	155	B2-U0-G2				
			IV	11263	145	B2-U0-G2	12202	157	B2-U0-G2	12515	161	B2-U0-G2	12827	165	B2-U0-G2				
			IV-CL	11275	145	B2-U0-G1	12215	157	B2-U0-G2	12528	161	B2-U0-G2	12842	165	B2-U0-G2				
			IV-FT	10260	132	B2-U0-G2	11115	143	B2-U0-G2	11400	147	B2-U0-G2	11685	151	B2-U0-G2				
			VSQ-M	11543	149	B4-U0-G2	12506	161	B4-U0-G2	12826	165	B4-U0-G2	13147	169	B4-U0-G2				
			VSQ-N	11772	152	B3-U0-G1	12753	164	B3-U0-G1	13080	169	B3-U0-G1	13407	173	B3-U0-G1				
			VSQ-W	11268	145	B4-U0-G2	12207	157	B4-U0-G2	12520	161	B4-U0-G2	12833	165	B4-U0-G2				
			II-HS	8157	105	B1-U0-G2	8837	114	B1-U0-G2	9063	117	B1-U0-G2	9290	120	B1-U0-G2				
			II-FR-HS	8297	107	B1-U0-G1	8989	116	B1-U0-G1	9219	119	B1-U0-G1	9450	122	B1-U0-G1				
			III-M-HS	8252	106	B1-U0-G2	8940	115	B1-U0-G2	9170	118	B1-U0-G2	9399	121	B1-U0-G2				
			III-W-HS	8077	104	B1-U0-G2	8751	113	B1-U0-G2	8975	116	B1-U0-G2	9199	119	B1-U0-G2				
			IV-HS	8524	110	B1-U0-G2	9234	119	B1-U0-G2	9471	122	B1-U0-G2	9707	125	B1-U0-G2				
			IV-FT-HS	8055	104	B1-U0-G2	8727	112	B1-U0-G2	8950	115	B1-U0-G2	9174	118	B1-U0-G2				
			IV-CL-XHS	7477	96	B0-U0-G1	8101	104	B0-U0-G1	8309	107	B0-U0-G2	8516	110	B0-U0-G2				
36	875	97.4	II	13378	137	B2-U0-G2	14493	149	B3-U0-G2	14864	153	B3-U0-G2	15236	156	B3-U0-G2	N/A	N/A		
			II-FR	13467	138	B3-U0-G1	14590	150	B3-U0-G1	14964	154	B3-U0-G2	15338	157	B3-U0-G2				
			III-M	13612	140	B2-U0-G2	14746	151	B2-U0-G2	15124	155	B2-U0-G2	15502	159	B3-U0-G2				
			III-W	12639	130	B2-U0-G3	13692	141	B2-U0-G3	14043	144	B2-U0-G3	14394	148	B2-U0-G3				
			IV	13509	139	B2-U0-G2	14636	150	B2-U0-G2	15011	154	B2-U0-G2	15386	158	B3-U0-G2				
			IV-CL	13524	139	B3-U0-G2	14652	150	B3-U0-G2	15028	154	B3-U0-G2	15403	158	B3-U0-G2				
			IV-FT	12306	126	B2-U0-G3	13332	137	B2-U0-G3	13674	140	B2-U0-G3	14015	144	B2-U0-G3				
			VSQ-M	13846	142	B4-U0-G2	15000	154	B4-U0-G2	15385	158	B4-U0-G2	15770	162	B4-U0-G2				
			VSQ-N	14120	145	B3-U0-G1	15297	157	B3-U0-G1	15689	161	B3-U0-G1	16081	165	B4-U0-G1				
			VSQ-W	13515	139	B4-U0-G3	14642	150	B4-U0-G3	15017	154	B4-U0-G3	15392	158	B4-U0-G3				
			II-HS	9784	100	B1-U0-G2	10599	109	B1-U0-G2	10871	112	B1-U0-G2	11143	114	B1-U0-G2				
			II-FR-HS	9952	102	B1-U0-G1	10782	111	B1-U0-G1	11058	114	B1-U0-G1	11335	116	B1-U0-G2				
			III-M-HS	9898	102	B1-U0-G2	10724	110	B1-U0-G2	10998	113	B1-U0-G2	11273	116	B1-U0-G2				
			III-W-HS	9688	99	B1-U0-G2	10496	108	B1-U0-G3	10765	111	B1-U0-G3	11034	113	B1-U0-G3				
			IV-HS	10224	105	B1-U0-G2	11076	114	B1-U0-G2	11360	117	B1-U0-G2	11644	120	B1-U0-G2				
			IV-FT-HS	9662	99	B1-U0-G3	10468	107	B1-U0-G3	10736	110	B1-U0-G3	11004	113	B1-U0-G3				
			IV-CL-XHS	8969	92	B0-U0-G2	9717	100	B0-U0-G2	9966	102	B0-U0-G2	10215	105	B0-U0-G2				
36	1050	117.1	II	15353	131	B3-U0-G2	16633	142	B3-U0-G3	17060	146	B3-U0-G3	17486	149	B3-U0-G3	N/A	N/A		
			II-FR	15456	132	B3-U0-G2	16745	143	B3-U0-G2	17174	147	B3-U0-G2	17603	150	B3-U0-G2				
			III-M	15622	133	B3-U0-G2	16924	145	B3-U0-G3	17358	148	B3-U0-G3	17792	152	B3-U0-G3				
			III-W	14505	124	B2-U0-G3	15714	134	B3-U0-G3	16117	138	B3-U0-G3	16520	141	B3-U0-G3				
			IV	15504	132	B3-U0-G2	16797	143	B3-U0-G3	17228	147	B3-U0-G3	17658	151	B3-U0-G3				
			IV-CL	15522	133	B3-U0-G2	16816	144	B3-U0-G2	17247	147	B3-U0-G2	17678	151	B3-U0-G2				
			IV-FT	14123	121	B2-U0-G3	15301	131	B3-U0-G3	15693	134	B3-U0-G3	16085	137	B3-U0-G3				
			VSQ-M	15891	136	B4-U0-G2	17216	147	B4-U0-G2	17657	151	B4-U0-G2	18098	155	B4-U0-G2				
			VSQ-N	16205	138	B4-U0-G1	17556	150	B4-U0-G2	18006	154	B4-U0-G2	18456	158	B4-U0-G2				
			VSQ-W	15511	132	B4-U0-G3	16804	144	B4-U0-G3	17235	147	B5-U0-G3	17666	151	B5-U0-G3				
			II-HS	11229	96	B1-U0-G2	12165	104	B1-U0-G2	12477	107	B1-U0-G2	12788	109	B1-U0-G2				
			II-FR-HS	11422	98	B1-U0-G2	12374	106	B1-U0-G2	12691	108	B1-U0-G2	13009	111	B1-U0-G2				
			III-M-HS	11360	97	B1-U0-G2	12307	105	B1-U0-G3	12623	108	B1-U0-G3	12938	110	B1-U0-G3				
			III-W-HS	11119	95	B1-U0-G3	12046	103	B1-U0-G3	12355	106	B1-U0-G3	12664	108	B1-U0-G3				
			IV-HS	11734	100	B1-U0-G2	12712	109	B1-U0-G2	13038	111	B1-U0-G3	13363	114	B1-U0-G3				
			IV-FT-HS	11089	95	B1-U0-G3	12013	103	B1-U0-G3	12321	105	B1-U0-G3	12629	108	B1-U0-G3				
			IV-CL-XHS	10294	88	B0-U0-G2	11152	95	B0-U0-G2	11438	98	B0-U0-G2	11723	100	B0-U0-G2				

PHOTOMETRIC DATA GUIDE - LUMEN TABLES

LCL-PLED-NL																			
No. LED	mA	Watts	Dist'n	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			Watts	TRA (590nm)		
				Lumens	LPW	BUG	Lumens	LPW	BUG	Lumens	LPW	BUG	Lumens	LPW	BUG		Lumens	LPW	BUG
48	175	25.7	II	4160	162	B1-U0-G1	4507	175	B1-U0-G1	4623	180	B1-U0-G1	4738	184	B1-U0-G1	20	1707	85	B1-U0-G1
			II-FR	4188	163	B1-U0-G1	4538	177	B1-U0-G1	4654	181	B1-U0-G1	4770	186	B1-U0-G1		1719	86	B1-U0-G0
			III-M	4233	165	B1-U0-G1	4586	178	B1-U0-G1	4703	183	B1-U0-G1	4821	188	B1-U0-G1		1737	87	B1-U0-G1
			III-W	3930	153	B1-U0-G1	4258	166	B1-U0-G1	4367	170	B1-U0-G1	4476	174	B1-U0-G2		1613	81	B0-U0-G1
			IV	4201	163	B1-U0-G1	4552	177	B1-U0-G1	4668	182	B1-U0-G1	4785	186	B1-U0-G1		1724	86	B1-U0-G1
			IV-CL	4206	164	B1-U0-G0	4557	177	B1-U0-G1	4673	182	B1-U0-G1	4790	186	B1-U0-G1		1726	86	B1-U0-G0
			IV-FT	3827	149	B1-U0-G1	4146	161	B1-U0-G1	4252	165	B1-U0-G1	4359	170	B1-U0-G1		1570	79	B0-U0-G1
			VSQ-M	4306	168	B3-U0-G1	4665	182	B3-U0-G1	4784	186	B3-U0-G1	4904	191	B3-U0-G1		1767	88	B1-U0-G0
			VSQ-N	4391	171	B2-U0-G1	4757	185	B2-U0-G1	4879	190	B2-U0-G1	5001	195	B2-U0-G1		1802	90	B1-U0-G0
			VSQ-W	4203	164	B3-U0-G1	4554	177	B3-U0-G1	4670	182	B3-U0-G1	4787	186	B3-U0-G1		1725	86	B2-U0-G1
			II-HS	3043	118	B0-U0-G1	3297	128	B0-U0-G1	3381	132	B0-U0-G1	3465	135	B0-U0-G1		1249	62	B0-U0-G0
			II-FR-HS	3095	120	B0-U0-G0	3354	131	B0-U0-G1	3439	134	B0-U0-G1	3525	137	B0-U0-G1		1270	64	B0-U0-G0
			III-M-HS	3078	120	B0-U0-G1	3335	130	B0-U0-G1	3420	133	B0-U0-G1	3506	136	B0-U0-G1		1263	63	B0-U0-G0
			III-W-HS	3013	117	B0-U0-G1	3265	127	B0-U0-G1	3348	130	B0-U0-G1	3431	134	B0-U0-G1		1236	62	B0-U0-G1
			IV-HS	3180	124	B0-U0-G1	3445	134	B0-U0-G1	3533	137	B0-U0-G1	3621	141	B0-U0-G1		1305	65	B0-U0-G0
			IV-FT-HS	3005	117	B0-U0-G1	3256	127	B0-U0-G1	3339	130	B0-U0-G2	3422	133	B0-U0-G2		1233	62	B0-U0-G1
			IV-CL-XHS	2789	109	B0-U0-G0	3022	118	B0-U0-G1	3099	121	B0-U0-G1	3177	124	B0-U0-G1		1144	57	B0-U0-G0
48	350	51.2	II	8000	156	B2-U0-G2	8667	169	B2-U0-G2	8890	174	B2-U0-G2	9112	178	B2-U0-G2	39.9	2765	69	B1-U0-G1
			II-FR	8054	157	B2-U0-G1	8726	170	B2-U0-G1	8949	175	B2-U0-G1	9173	179	B2-U0-G1		2784	70	B1-U0-G1
			III-M	8140	159	B2-U0-G2	8819	172	B2-U0-G2	9045	177	B2-U0-G2	9271	181	B2-U0-G2		2814	71	B1-U0-G1
			III-W	7559	148	B1-U0-G2	8189	160	B2-U0-G2	8399	164	B2-U0-G2	8608	168	B2-U0-G2		2612	65	B1-U0-G1
			IV	8079	158	B2-U0-G2	8753	171	B2-U0-G2	8977	175	B2-U0-G2	9201	180	B2-U0-G2		2792	70	B1-U0-G1
			IV-CL	8088	158	B2-U0-G1	8763	171	B2-U0-G1	8987	176	B2-U0-G1	9212	180	B2-U0-G1		2796	70	B1-U0-G0
			IV-FT	7360	144	B2-U0-G2	7973	156	B2-U0-G2	8178	160	B2-U0-G2	8382	164	B2-U0-G2		2544	64	B1-U0-G1
			VSQ-M	8281	162	B3-U0-G2	8971	175	B3-U0-G2	9201	180	B3-U0-G2	9431	184	B3-U0-G2		2862	72	B2-U0-G1
			VSQ-N	8444	165	B3-U0-G1	9148	179	B3-U0-G1	9383	183	B3-U0-G1	9617	188	B3-U0-G1		2919	73	B1-U0-G0
			VSQ-W	8083	158	B3-U0-G2	8757	171	B4-U0-G2	8981	175	B4-U0-G2	9206	180	B4-U0-G2		2793	70	B2-U0-G1
			II-HS	5851	114	B1-U0-G2	6339	124	B1-U0-G2	6502	127	B1-U0-G2	6664	130	B1-U0-G2		2022	51	B0-U0-G1
			II-FR-HS	5952	116	B1-U0-G1	6448	126	B1-U0-G1	6613	129	B1-U0-G1	6779	132	B1-U0-G1		2057	52	B0-U0-G0
			III-M-HS	5920	116	B0-U0-G2	6414	125	B0-U0-G2	6578	128	B0-U0-G2	6742	132	B0-U0-G2		2046	51	B0-U0-G1
			III-W-HS	5794	113	B0-U0-G2	6277	123	B0-U0-G2	6438	126	B0-U0-G2	6599	129	B0-U0-G2		2003	50	B0-U0-G1
			IV-HS	6114	119	B0-U0-G2	6624	129	B0-U0-G2	6794	133	B0-U0-G2	6963	136	B0-U0-G2		2113	53	B0-U0-G1
			IV-FT-HS	5778	113	B0-U0-G2	6260	122	B0-U0-G2	6421	125	B0-U0-G2	6581	129	B0-U0-G2		1997	50	B0-U0-G1
			IV-CL-XHS	5364	105	B0-U0-G1	5811	113	B0-U0-G1	5960	116	B0-U0-G1	6109	119	B0-U0-G1		1854	46	B0-U0-G0
48	525	77.3	II	11602	150	B2-U0-G2	12570	163	B2-U0-G2	12892	167	B2-U0-G2	13214	171	B2-U0-G2	60.3	3260	54	B1-U0-G1
			II-FR	11680	151	B3-U0-G1	12654	164	B3-U0-G1	12978	168	B3-U0-G1	13303	172	B3-U0-G1		3281	54	B1-U0-G1
			III-M	11805	153	B2-U0-G2	12789	165	B2-U0-G2	13117	170	B2-U0-G2	13445	174	B2-U0-G2		3317	55	B1-U0-G1
			III-W	10961	142	B2-U0-G2	11875	154	B2-U0-G2	12180	158	B2-U0-G2	12484	162	B2-U0-G3		3079	51	B1-U0-G1
			IV	11717	152	B2-U0-G2	12693	164	B2-U0-G2	13019	168	B2-U0-G2	13344	173	B2-U0-G2		3292	55	B1-U0-G1
			IV-CL	11730	152	B2-U0-G1	12707	164	B2-U0-G2	13033	169	B2-U0-G2	13359	173	B2-U0-G2		3295	55	B1-U0-G0
			IV-FT	10673	138	B2-U0-G2	11563	150	B2-U0-G2	11859	153	B2-U0-G2	12155	157	B2-U0-G2		2998	50	B1-U0-G1
			VSQ-M	12009	155	B4-U0-G2	13010	168	B4-U0-G2	13343	173	B4-U0-G2	13677	177	B4-U0-G2		3373	56	B2-U0-G1
			VSQ-N	12246	158	B3-U0-G1	13267	172	B3-U0-G1	13607	176	B3-U0-G1	13947	180	B3-U0-G1		3440	57	B2-U0-G0
			VSQ-W	11722	152	B4-U0-G2	12699	164	B4-U0-G2	13025	168	B4-U0-G2	13350	173	B4-U0-G3		3293	55	B2-U0-G1
			II-HS	8485	110	B1-U0-G2	9193	119	B1-U0-G2	9429	122	B1-U0-G2	9664	125	B1-U0-G2		2384	40	B0-U0-G1
			II-FR-HS	8632	112	B1-U0-G1	9351	121	B1-U0-G1	9591	124	B1-U0-G1	9831	127	B1-U0-G1		2425	40	B0-U0-G0
			III-M-HS	8585	111	B1-U0-G2	9301	120	B1-U0-G2	9539	123	B1-U0-G2	9777	126	B1-U0-G2		2412	40	B0-U0-G1
			III-W-HS	8403	109	B1-U0-G2	9104	118	B1-U0-G2	9337	121	B1-U0-G2	9570	124	B1-U0-G2		2361	39	B0-U0-G1
			IV-HS	8867	115	B1-U0-G2	9607	124	B1-U0-G2	9853	127	B1-U0-G2	10099	131	B1-U0-G2		2491	41	B0-U0-G1
			IV-FT-HS	8380	108	B1-U0-G2	9078	117	B1-U0-G2	9311	120	B1-U0-G3	9544	123	B1-U0-G3		2354	39	B0-U0-G1
			IV-CL-XHS	7779	101	B0-U0-G1	8427	109	B0-U0-G2	8643	112	B0-U0-G2	8859	115	B0-U0-G2		2185	36	B0-U0-G0
48	700	103.5	II	14871	144	B3-U0-G2	16110	156	B3-U0-G3	16524	160	B3-U0-G3	16937	164	B3-U0-G3	N/A	N/A		
			II-FR	14971	145	B3-U0-G2	16219	157	B3-U0-G2	16634	161	B3-U0-G2	17050	165	B3-U0-G2				
			III-M	15131	146	B2-U0-G2	16392	158	B3-U0-G3	16813	162	B3-U0-G3	17233	167	B3-U0-G3				
			III-W	14049	136	B2-U0-G3	15221	147	B2-U0-G3	15611	151	B3-U0-G3	16001	155	B3-U0-G3				
			IV	15017	145	B2-U0-G2	16269	157	B3-U0-G3	16686	161	B3-U0-G3	17103	165	B3-U0-G3				
			IV-CL	15034	145	B3-U0-G2	16287	157	B3-U0-G2	16705	161	B3-U0-G2	17122	165	B3-U0-G2				
			IV-FT	13679	132	B2-U0-G3	14820	143	B3-U0-G3	15200	147	B3-U0-G3	15580	151	B3-U0-G3				
			VSQ-M	15392	149	B4-U0-G2	16675	161	B4-U0-G2	17102	165	B4-U0-G2	17530	169	B4-U0-G2				
			VSQ-N	15696	152	B3-U0-G1	17004	164	B4-U0-G2	17440	169	B4-U0-G2	17876	173	B4-U0-G2				
			VSQ-W	15024	145	B4-U0-G3	16276	157	B4-U0-G3	16693	161	B4-U0-G3	17110	165	B5-U0-G3				
			II-HS	10876	105	B1-U0-G2	11783	114	B1-U0-G2	12084	117	B1-U0-G2	12386	120	B1-U0-G2				
			II-FR-HS	11063	107	B1-U0-G1	11986	116	B1-U0-G2	12293	119	B1-U0-G2	12600	122	B1-U0-G2				
			III-M-HS	11003	106	B1-U0-G2	11921	115	B1-U0-G3	12226	118	B1-U0-G3	12531	121	B1-U0-G3				
			III-W-HS	10770	104	B1-U0-G3	11668	113	B1-U0-G3	11967	116	B1-U0-G3	12266	119	B1-U0-G3				
			IV-HS	11365	110	B1-U0-G2	12313	119	B1-U0-G2	12628	122	B1-U0-G2	12943	125	B1-U0-G3				
			IV-FT-HS	10740	104	B1-U0-G3	11636	112	B1-U0-G3	11934	115	B1-U0-G3	12232	118	B1-U0-G3				
			IV-CL-XHS	9970	96	B0-U0-G2	10801	104	B0-U0-G2	11078	107	B0-U0-G2	11355	110	B0-U0-G2				

PHOTOMETRIC DATA GUIDE - LUMEN TABLES

LCL-PLED-NL																		
No. LED	mA	Watts	Dist'n	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			Watts	TRA (590nm)		
				Lumens	LPW	BUG	Lumens	LPW	BUG	Lumens	LPW	BUG	Lumens	LPW	BUG		Lumens	LPW	BUG
48	875	129.8	II	17837	137	B3-U0-G3	19324	149	B3-U0-G3	19819	153	B3-U0-G3	20315	157	B3-U0-G3	N/A	N/A		
			II-FR	17957	138	B3-U0-G2	19454	150	B3-U0-G2	19952	154	B3-U0-G2	20451	158	B3-U0-G2				
			III-M	18149	140	B3-U0-G3	19662	151	B3-U0-G3	20166	155	B3-U0-G3	20670	159	B3-U0-G3				
			III-W	16852	130	B3-U0-G3	18257	141	B3-U0-G3	18724	144	B3-U0-G4	19192	148	B3-U0-G4				
			IV	18013	139	B3-U0-G3	19515	150	B3-U0-G3	20015	154	B3-U0-G3	20515	158	B3-U0-G3				
			IV-CL	18033	139	B3-U0-G2	19536	151	B3-U0-G2	20037	154	B3-U0-G2	20538	158	B3-U0-G2				
			IV-FT	16408	126	B3-U0-G3	17776	137	B3-U0-G3	18232	140	B3-U0-G3	18687	144	B3-U0-G3				
			VSQ-M	18462	142	B4-U0-G2	20001	154	B4-U0-G2	20513	158	B4-U0-G2	21026	162	B4-U0-G2				
			VSQ-N	18826	145	B4-U0-G2	20396	157	B4-U0-G2	20918	161	B4-U0-G2	21441	165	B4-U0-G2				
			VSQ-W	18021	139	B5-U0-G3	19523	150	B5-U0-G3	20023	154	B5-U0-G3	20524	158	B5-U0-G3				
			II-HS	13045	101	B1-U0-G3	14133	109	B1-U0-G3	14495	112	B1-U0-G3	14857	114	B1-U0-G3				
			II-FR-HS	13270	102	B1-U0-G2	14376	111	B1-U0-G2	14745	114	B1-U0-G2	15113	116	B1-U0-G2				
			III-M-HS	13198	102	B1-U0-G3	14299	110	B1-U0-G3	14665	113	B1-U0-G3	15031	116	B1-U0-G3				
			III-W-HS	12918	100	B1-U0-G3	13995	108	B1-U0-G3	14354	111	B1-U0-G3	14713	113	B1-U0-G4				
			IV-HS	13632	105	B1-U0-G3	14768	114	B1-U0-G3	15147	117	B1-U0-G3	15525	120	B1-U0-G3				
			IV-FT-HS	12883	99	B1-U0-G3	13957	108	B1-U0-G4	14315	110	B1-U0-G4	14672	113	B1-U0-G4				
			IV-CL-XHS	11959	92	B0-U0-G2	12956	100	B0-U0-G2	13288	102	B0-U0-G2	13620	105	B0-U0-G2				
48	1050	156.2	II	20471	131	B3-U0-G3	22178	142	B3-U0-G3	22746	146	B3-U0-G3	23315	149	B3-U0-G3	N/A	N/A		
			II-FR	20609	132	B3-U0-G2	22326	143	B3-U0-G2	22899	147	B3-U0-G2	23471	150	B3-U0-G2				
			III-M	20829	133	B3-U0-G3	22566	144	B3-U0-G3	23144	148	B3-U0-G3	23723	152	B3-U0-G4				
			III-W	19340	124	B3-U0-G4	20952	134	B3-U0-G4	21490	138	B3-U0-G4	22027	141	B3-U0-G4				
			IV	20673	132	B3-U0-G3	22396	143	B3-U0-G3	22970	147	B3-U0-G3	23545	151	B3-U0-G3				
			IV-CL	20696	132	B3-U0-G2	22421	144	B3-U0-G2	22996	147	B3-U0-G2	23571	151	B3-U0-G2				
			IV-FT	18831	121	B3-U0-G3	20401	131	B3-U0-G4	20924	134	B3-U0-G4	21447	137	B3-U0-G4				
			VSQ-M	21188	136	B5-U0-G3	22954	147	B5-U0-G3	23543	151	B5-U0-G3	24131	154	B5-U0-G3				
			VSQ-N	21607	138	B4-U0-G2	23408	150	B4-U0-G2	24008	154	B4-U0-G2	24608	158	B4-U0-G2				
			VSQ-W	20681	132	B5-U0-G3	22405	143	B5-U0-G3	22980	147	B5-U0-G3	23554	151	B5-U0-G3				
			II-HS	14972	96	B1-U0-G3	16220	104	B1-U0-G3	16636	107	B1-U0-G3	17051	109	B1-U0-G3				
			II-FR-HS	15230	98	B1-U0-G2	16499	106	B1-U0-G2	16922	108	B1-U0-G2	17345	111	B1-U0-G2				
			III-M-HS	15147	97	B1-U0-G3	16410	105	B1-U0-G3	16831	108	B1-U0-G3	17251	110	B1-U0-G3				
			III-W-HS	14826	95	B1-U0-G4	16062	103	B1-U0-G4	16474	105	B1-U0-G4	16886	108	B1-U0-G4				
			IV-HS	15645	100	B1-U0-G3	16949	109	B1-U0-G3	17384	111	B1-U0-G3	17818	114	B1-U0-G3				
			IV-FT-HS	14785	95	B1-U0-G4	16018	103	B1-U0-G4	16428	105	B1-U0-G4	16839	108	B1-U0-G4				
			IV-CL-XHS	13725	88	B0-U0-G2	14869	95	B0-U0-G2	15250	98	B0-U0-G2	15631	100	B0-U0-G2				

PHOTOMETRIC DATA GUIDE - LUMEN TABLES

LCL-PLED-PRA																			
No. LED	mA	Watts	Dist'n	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			Watts	TRA (590nm)		
				Lumens	LPW	BUG	Lumens	LPW	BUG	Lumens	LPW	BUG	Lumens	LPW	BUG		Lumens	LPW	BUG
20	175	10.7	II	1655	155	B1-U2-G1	1795	168	B1-U2-G1	1840	172	B1-U2-G1	1885	176	B1-U2-G1	8.3	637	77	B0-U2-G1
			II-FR	1649	154	B1-U2-G1	1788	167	B1-U2-G1	1833	171	B1-U2-G1	1878	176	B1-U2-G1		635	77	B0-U2-G1
			III-M	1686	158	B1-U2-G1	1828	171	B1-U2-G1	1874	175	B1-U2-G1	1920	179	B1-U2-G1		649	78	B0-U2-G1
			III-W	1564	146	B0-U2-G2	1696	159	B1-U3-G2	1738	162	B1-U3-G2	1781	166	B1-U3-G2		601	72	B0-U2-G1
			IV	1675	157	B1-U2-G1	1816	170	B1-U2-G1	1861	174	B1-U2-G1	1907	178	B1-U2-G1		644	78	B0-U2-G1
			IV-CL	1701	159	B0-U2-G1	1844	172	B0-U2-G1	1891	177	B1-U2-G1	1937	181	B1-U2-G1		655	79	B0-U2-G1
			IV-FT	1522	142	B0-U2-G2	1650	154	B0-U3-G2	1691	158	B0-U3-G2	1733	162	B0-U3-G2		585	70	B0-U2-G1
			VSQ-M	1725	161	B1-U2-G1	1871	175	B1-U2-G1	1918	179	B1-U2-G1	1965	184	B1-U2-G1		663	80	B1-U2-G1
			VSQ-N	1742	163	B1-U2-G1	1889	177	B1-U2-G1	1937	181	B1-U2-G1	1984	185	B1-U2-G1		671	81	B0-U2-G1
			VSQ-W	1680	157	B1-U3-G2	1821	170	B1-U3-G2	1867	174	B1-U3-G2	1914	179	B1-U3-G2		647	78	B1-U2-G1
			II-HS	1217	114	B0-U2-G1	1319	123	B0-U2-G1	1353	126	B0-U2-G1	1386	130	B0-U2-G1		469	57	B0-U2-G1
			II-FR-HS	1226	115	B0-U2-G1	1329	124	B0-U2-G1	1362	127	B0-U2-G1	1395	130	B0-U2-G1		472	57	B0-U2-G0
			III-M-HS	1233	115	B0-U2-G1	1337	125	B0-U2-G1	1371	128	B0-U2-G1	1404	131	B0-U2-G1		474	57	B0-U2-G1
			III-W-HS	1207	113	B0-U2-G1	1309	122	B0-U2-G1	1342	125	B0-U2-G2	1375	129	B0-U2-G2		464	56	B0-U2-G1
			IV-HS	1274	119	B0-U2-G1	1381	129	B0-U2-G1	1416	132	B0-U2-G1	1451	136	B0-U2-G1		490	59	B0-U2-G1
			IV-FT-HS	1204	113	B0-U2-G1	1305	122	B0-U2-G2	1338	125	B0-U2-G2	1371	128	B0-U2-G2		463	56	B0-U2-G1
			IV-CL-XHS	1141	107	B0-U2-G1	1238	116	B0-U2-G1	1269	119	B0-U2-G1	1300	121	B0-U2-G1		440	53	B0-U1-G0
20	350	21.3	II	3233	152	B1-U3-G2	3504	165	B1-U3-G2	3593	169	B1-U3-G2	3682	173	B1-U3-G2	16.6	1048	63	B0-U2-G1
			II-FR	3220	151	B1-U3-G1	3489	164	B1-U3-G1	3578	168	B1-U3-G1	3667	172	B1-U3-G1		1044	63	B0-U2-G1
			III-M	3293	155	B1-U3-G2	3569	168	B1-U3-G2	3659	172	B1-U3-G2	3750	176	B1-U3-G2		1067	64	B0-U2-G1
			III-W	3053	143	B1-U3-G2	3309	155	B1-U3-G2	3393	159	B1-U3-G2	3477	163	B1-U3-G3		990	60	B0-U2-G1
			IV	3270	154	B1-U3-G2	3544	166	B1-U3-G2	3634	171	B1-U3-G2	3724	175	B1-U3-G2		1060	64	B0-U2-G1
			IV-CL	3272	154	B1-U3-G1	3546	166	B1-U3-G1	3636	171	B1-U3-G1	3727	175	B1-U3-G1		1061	64	B0-U2-G1
			IV-FT	2971	139	B1-U3-G2	3220	151	B1-U3-G2	3302	155	B1-U3-G3	3383	159	B1-U3-G3		963	58	B0-U2-G1
			VSQ-M	3369	158	B2-U3-G2	3651	171	B2-U3-G2	3744	176	B2-U3-G2	3837	180	B2-U3-G2		1092	66	B1-U2-G1
			VSQ-N	3402	160	B1-U3-G1	3687	173	B1-U3-G1	3781	178	B2-U3-G1	3875	182	B2-U3-G1		1103	66	B1-U2-G1
			VSQ-W	3280	154	B2-U3-G2	3556	167	B2-U3-G2	3646	171	B2-U3-G2	3736	175	B2-U3-G3		1063	64	B1-U2-G1
			II-HS	2376	112	B1-U3-G1	2576	121	B1-U3-G2	2641	124	B1-U3-G2	2706	127	B1-U3-G2		770	46	B0-U2-G1
			II-FR-HS	2392	112	B1-U3-G1	2593	122	B1-U3-G1	2659	125	B1-U3-G1	2724	128	B1-U3-G1		775	47	B0-U2-G1
			III-M-HS	2407	113	B1-U3-G2	2609	122	B1-U3-G2	2675	126	B1-U3-G2	2741	129	B1-U3-G2		780	47	B0-U2-G1
			III-W-HS	2356	111	B1-U3-G2	2554	120	B1-U3-G2	2618	123	B1-U3-G2	2683	126	B1-U3-G2		764	46	B0-U2-G1
			IV-HS	2487	117	B1-U3-G1	2696	127	B1-U3-G2	2764	130	B1-U3-G2	2832	133	B1-U3-G2		806	49	B0-U2-G1
			IV-FT-HS	2351	110	B0-U3-G2	2548	120	B1-U3-G2	2612	123	B1-U3-G2	2677	126	B1-U3-G2		762	46	B0-U2-G1
			IV-CL-XHS	2195	103	B0-U2-G1	2379	112	B0-U2-G1	2439	115	B0-U2-G1	2500	117	B0-U3-G1		712	43	B0-U2-G1
20	525	32.2	II	4687	146	B1-U3-G2	5080	158	B1-U3-G2	5209	162	B1-U3-G2	5339	166	B1-U3-G2	25.1	1235	49	B1-U2-G1
			II-FR	4669	145	B1-U3-G1	5059	157	B1-U3-G1	5189	161	B1-U3-G2	5318	165	B1-U3-G2		1230	49	B0-U2-G1
			III-M	4775	148	B1-U3-G2	5174	161	B1-U3-G2	5306	165	B1-U3-G2	5437	169	B1-U3-G2		1258	50	B0-U2-G1
			III-W	4427	137	B1-U3-G3	4798	149	B1-U3-G3	4920	153	B1-U3-G3	5042	157	B1-U3-G3		1166	46	B0-U2-G1
			IV	4742	147	B1-U3-G2	5139	160	B1-U3-G2	5270	164	B1-U3-G2	5401	168	B1-U3-G2		1249	50	B0-U2-G1
			IV-CL	4745	147	B1-U3-G1	5142	160	B1-U3-G1	5273	164	B1-U3-G1	5405	168	B1-U3-G1		1250	50	B0-U2-G1
			IV-FT	4307	134	B1-U3-G3	4668	145	B1-U3-G3	4787	149	B1-U3-G3	4906	152	B1-U3-G3		1135	45	B0-U2-G1
			VSQ-M	4885	152	B2-U3-G2	5293	164	B3-U3-G2	5428	169	B3-U3-G2	5564	173	B3-U3-G2		1287	51	B1-U2-G1
			VSQ-N	4934	153	B2-U3-G1	5345	166	B2-U3-G2	5482	170	B2-U3-G2	5619	175	B2-U3-G2		1300	52	B1-U2-G1
			VSQ-W	4756	148	B3-U3-G3	5154	160	B3-U3-G3	5286	164	B3-U3-G3	5418	168	B3-U3-G3		1253	50	B1-U3-G1
			II-HS	3446	107	B1-U3-G2	3734	116	B1-U3-G2	3829	119	B1-U3-G2	3924	122	B1-U3-G2		908	36	B0-U2-G1
			II-FR-HS	3468	108	B1-U3-G1	3759	117	B1-U3-G1	3855	120	B1-U3-G1	3950	123	B1-U3-G1		914	36	B0-U2-G1
			III-M-HS	3491	108	B1-U3-G2	3783	117	B1-U3-G2	3879	120	B1-U3-G2	3976	123	B1-U3-G2		920	37	B0-U2-G1
			III-W-HS	3416	106	B1-U3-G3	3702	115	B1-U3-G3	3796	118	B1-U3-G3	3890	121	B1-U3-G3		900	36	B0-U2-G1
			IV-HS	3607	112	B1-U3-G2	3908	121	B1-U3-G2	4008	124	B1-U3-G2	4108	128	B1-U3-G2		950	38	B0-U2-G1
			IV-FT-HS	3407	106	B1-U3-G3	3693	115	B1-U3-G3	3787	118	B1-U3-G3	3880	120	B1-U3-G3		898	36	B0-U2-G1
			IV-CL-XHS	3184	99	B1-U3-G1	3450	107	B1-U3-G1	3538	110	B1-U3-G1	3625	113	B1-U3-G1		839	33	B0-U2-G1
20	700	43.1	II	6009	139	B2-U3-G3	6510	151	B2-U3-G3	6677	155	B2-U3-G3	6844	159	B2-U3-G3	N/A	N/A		
			II-FR	5986	139	B1-U3-G2	6485	150	B1-U3-G2	6651	154	B1-U3-G2	6817	158	B2-U3-G2				
			III-M	6120	142	B1-U3-G3	6631	154	B2-U3-G3	6801	158	B2-U3-G3	6971	162	B2-U3-G3				
			III-W	5675	132	B1-U3-G3	6148	143	B1-U3-G3	6306	146	B1-U3-G3	6463	150	B1-U3-G3				
			IV	6078	141	B1-U3-G3	6585	153	B2-U3-G3	6754	157	B2-U3-G3	6923	161	B2-U3-G3				
			IV-CL	6082	141	B1-U3-G2	6590	153	B1-U3-G2	6759	157	B1-U3-G2	6927	161	B1-U3-G2				
			IV-FT	5522	128	B1-U3-G3	5983	139	B1-U3-G3	6136	142	B1-U3-G3	6289	146	B1-U3-G3				
			VSQ-M	6262	145	B3-U3-G2	6785	157	B3-U3-G3	6959	161	B3-U3-G3	7133	165	B3-U3-G3				
			VSQ-N	6324	147	B2-U3-G2	6851	159	B2-U3-G2	7027	163	B2-U3-G2	7203	167	B2-U3-G2				
			VSQ-W	6097	141	B3-U3-G3	6606	153	B3-U3-G3	6775	157	B3-U3-G3	6943	161	B3-U3-G3				
			II-HS	4417	102	B1-U3-G2	4786	111	B1-U3-G2	4908	114	B1-U3-G2	5030	117	B1-U3-G2				
			II-FR-HS	4446	103	B1-U3-G1	4818	112	B1-U3-G1	4941	115	B1-U3-G1	5064	117	B1-U3-G2				
			III-M-HS	4474	104	B1-U3-G2	4849	113	B1-U3-G2	4972	115	B1-U3-G2	5096	118	B1-U3-G3				
			III-W-HS	4379	102	B1-U3-G3	4746	110	B1-U3-G3	4866	113	B1-U3-G3	4987	116	B1-U3-G3				
			IV-HS	4622	107	B1-U3-G2	5009	116	B1-U3-G2	5137	119	B1-U3-G2	5265	122	B1-U3-G2				
			IV-FT-HS	4368	101	B1-U3-G3	4734	110	B1-U3-G3	4854	113	B1-U3-G3	4975	115	B1-U3-G3				
			IV-CL-XHS	4080	95	B1-U3-G1	4422	103	B1-U3-G1	4534	105	B1-U3-G1	4647	108	B1-U3-G1				

PHOTOMETRIC DATA GUIDE - LUMEN TABLES

LCL-PLED-PRA																			
No. LED	mA	Watts	Dist'n	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			Watts	TRA (590nm)		
				Lumens	LPW	BUG	Lumens	LPW	BUG	Lumens	LPW	BUG	Lumens	LPW	BUG		Lumens	LPW	BUG
20	875	54.1	II	7207	133	B2-U3-G3	7808	144	B2-U3-G3	8008	148	B2-U3-G3	8208	152	B2-U3-G3	N/A	N/A		
			II-FR	7179	133	B2-U3-G2	7778	144	B2-U3-G2	7977	147	B2-U3-G2	8176	151	B2-U3-G2				
			III-M	7341	136	B2-U3-G3	7954	147	B2-U3-G3	8157	151	B2-U3-G3	8361	155	B2-U3-G3				
			III-W	6807	126	B1-U3-G3	7375	136	B1-U3-G3	7564	140	B1-U3-G3	7752	143	B2-U3-G4				
			IV	7291	135	B2-U3-G3	7899	146	B2-U3-G3	8102	150	B2-U3-G3	8304	153	B2-U3-G3				
			IV-CL	7295	135	B1-U3-G2	7904	146	B1-U3-G2	8106	150	B1-U3-G2	8308	154	B1-U3-G2				
			IV-FT	6623	122	B1-U3-G3	7176	133	B1-U3-G3	7360	136	B1-U3-G4	7544	139	B1-U3-G4				
			VSQ-M	7511	139	B3-U3-G3	8137	150	B3-U3-G3	8346	154	B3-U3-G3	8555	158	B3-U3-G3				
			VSQ-N	7586	140	B2-U3-G2	8218	152	B3-U3-G2	8428	156	B3-U3-G2	8639	160	B3-U3-G2				
			VSQ-W	7313	135	B3-U3-G3	7924	146	B3-U3-G3	8127	150	B3-U3-G4	8329	154	B3-U3-G4				
			II-HS	5298	98	B1-U3-G2	5741	106	B1-U3-G3	5887	109	B1-U3-G3	6034	112	B1-U3-G3				
			II-FR-HS	5333	99	B1-U3-G2	5779	107	B1-U3-G2	5927	110	B1-U3-G2	6075	112	B1-U3-G2				
			III-M-HS	5367	99	B1-U3-G3	5816	108	B1-U3-G3	5964	110	B1-U3-G3	6112	113	B1-U3-G3				
			III-W-HS	5252	97	B1-U3-G3	5692	105	B1-U3-G3	5837	108	B1-U3-G3	5982	111	B1-U3-G3				
			IV-HS	5545	102	B1-U3-G2	6009	111	B1-U3-G3	6162	114	B1-U3-G3	6315	117	B1-U3-G3				
			IV-FT-HS	5240	97	B1-U3-G3	5678	105	B1-U3-G3	5823	108	B1-U3-G3	5968	110	B1-U3-G3				
			IV-CL-XHS	4894	90	B1-U3-G1	5303	98	B1-U3-G2	5439	101	B1-U3-G2	5574	103	B1-U3-G2				
20	1050	65.1	II	8272	127	B2-U3-G3	8962	138	B2-U3-G3	9191	141	B2-U3-G3	9420	145	B2-U3-G3	N/A	N/A		
			II-FR	8239	127	B2-U3-G2	8927	137	B2-U3-G2	9155	141	B2-U3-G2	9383	144	B2-U3-G2				
			III-M	8426	129	B2-U3-G3	9129	140	B2-U3-G3	9362	144	B2-U3-G3	9596	147	B2-U3-G3				
			III-W	7812	120	B2-U3-G4	8464	130	B2-U3-G4	8681	133	B2-U3-G4	8897	137	B2-U3-G4				
			IV	8368	129	B2-U3-G3	9065	139	B2-U3-G3	9297	143	B2-U3-G3	9529	146	B2-U3-G3				
			IV-CL	8372	129	B1-U3-G2	9070	139	B2-U3-G2	9303	143	B2-U3-G2	9536	146	B2-U3-G2				
			IV-FT	7602	117	B1-U3-G4	8237	127	B1-U3-G4	8447	130	B2-U3-G4	8658	133	B2-U3-G4				
			VSQ-M	8620	132	B3-U3-G3	9340	143	B3-U3-G3	9578	147	B3-U3-G3	9817	151	B3-U3-G3				
			VSQ-N	8704	134	B3-U3-G2	9432	145	B3-U3-G2	9673	149	B3-U3-G2	9914	152	B3-U3-G2				
			VSQ-W	8393	129	B3-U3-G4	9094	140	B3-U3-G4	9327	143	B3-U3-G4	9560	147	B3-U3-G4				
			II-HS	6080	93	B1-U3-G3	6587	101	B1-U3-G3	6756	104	B1-U3-G3	6925	106	B1-U3-G3				
			II-FR-HS	6121	94	B1-U3-G2	6632	102	B1-U3-G2	6802	104	B1-U3-G2	6972	107	B1-U3-G2				
			III-M-HS	6160	95	B1-U3-G3	6674	103	B1-U3-G3	6845	105	B1-U3-G3	7016	108	B1-U3-G3				
			III-W-HS	6028	93	B1-U3-G3	6532	100	B1-U3-G3	6698	103	B1-U3-G4	6865	105	B1-U3-G4				
			IV-HS	6365	98	B1-U3-G3	6896	106	B1-U3-G3	7072	109	B1-U3-G3	7249	111	B1-U3-G3				
			IV-FT-HS	6014	92	B1-U3-G3	6516	100	B1-U3-G4	6683	103	B1-U3-G4	6850	105	B1-U3-G4				
			IV-CL-XHS	5617	86	B1-U3-G2	6085	93	B1-U3-G2	6242	96	B1-U3-G2	6398	98	B1-U3-G2				
36	175	19.3	II	2981	154	B1-U3-G2	3230	167	B1-U3-G2	3312	172	B1-U3-G2	3394	176	B1-U3-G2	15.1	1147	76	B0-U2-G1
			II-FR	2968	154	B1-U3-G1	3216	167	B1-U3-G1	3298	171	B1-U3-G1	3380	175	B1-U3-G1		1142	76	B0-U2-G1
			III-M	3036	157	B1-U3-G2	3290	170	B1-U3-G2	3373	175	B1-U3-G2	3457	179	B1-U3-G2		1168	77	B0-U2-G1
			III-W	2815	146	B1-U3-G2	3051	158	B1-U3-G2	3128	162	B1-U3-G2	3205	166	B1-U3-G2		1083	72	B0-U2-G1
			IV	3016	156	B1-U3-G2	3268	169	B1-U3-G2	3350	174	B1-U3-G2	3433	178	B1-U3-G2		1160	77	B0-U2-G1
			IV-CL	3063	159	B1-U3-G1	3319	172	B1-U3-G1	3403	176	B1-U3-G1	3488	181	B1-U3-G1		1179	78	B0-U2-G1
			IV-FT	2739	142	B1-U3-G2	2969	154	B1-U3-G2	3044	158	B1-U3-G2	3119	162	B1-U3-G2		1054	70	B0-U2-G1
			VSQ-M	3106	161	B2-U3-G2	3366	174	B2-U3-G2	3451	179	B2-U3-G2	3537	183	B2-U3-G2		1194	79	B1-U2-G1
			VSQ-N	3137	163	B1-U3-G1	3399	176	B1-U3-G1	3485	181	B1-U3-G1	3571	185	B1-U3-G1		1207	80	B1-U2-G1
			VSQ-W	3024	157	B2-U3-G2	3278	170	B2-U3-G2	3361	174	B2-U3-G2	3444	178	B2-U3-G2		1163	77	B1-U2-G1
			II-HS	2191	114	B1-U2-G1	2374	123	B1-U3-G1	2434	126	B1-U3-G2	2495	129	B1-U3-G2		843	56	B0-U2-G1
			II-FR-HS	2206	114	B0-U3-G1	2391	124	B1-U3-G1	2451	127	B1-U3-G1	2512	130	B1-U3-G1		848	56	B0-U2-G1
			III-M-HS	2219	115	B1-U2-G2	2405	125	B1-U3-G2	2466	128	B1-U3-G2	2527	131	B1-U3-G2		854	57	B0-U2-G1
			III-W-HS	2173	113	B0-U3-G2	2354	122	B1-U3-G2	2414	125	B1-U3-G2	2474	128	B1-U3-G2		836	55	B0-U2-G1
			IV-HS	2293	119	B1-U2-G1	2485	129	B1-U3-G1	2548	132	B1-U3-G2	2611	135	B1-U3-G2		882	58	B0-U2-G1
			IV-FT-HS	2167	112	B0-U3-G2	2348	122	B0-U3-G2	2408	125	B1-U3-G2	2468	128	B1-U3-G2		833	55	B0-U2-G1
			IV-CL-XHS	2054	106	B0-U2-G1	2227	115	B0-U2-G1	2283	118	B0-U2-G1	2339	121	B0-U2-G1		791	52	B0-U2-G1
36	350	38.4	II	5818	152	B2-U3-G2	6304	164	B2-U3-G3	6466	168	B2-U3-G3	6627	173	B2-U3-G3	30	1886	63	B1-U2-G1
			II-FR	5796	151	B1-U3-G2	6279	164	B1-U3-G2	6440	168	B1-U3-G2	6601	172	B1-U3-G2		1879	63	B1-U2-G1
			III-M	5927	154	B1-U3-G3	6422	167	B2-U3-G3	6586	172	B2-U3-G3	6751	176	B2-U3-G3		1922	64	B1-U2-G1
			III-W	5496	143	B1-U3-G3	5954	155	B1-U3-G3	6107	159	B1-U3-G3	6259	163	B1-U3-G3		1782	59	B1-U3-G2
			IV	5887	153	B1-U3-G3	6377	166	B1-U3-G3	6541	170	B2-U3-G3	6705	175	B2-U3-G3		1908	64	B1-U2-G1
			IV-CL	5890	153	B1-U3-G2	6381	166	B1-U3-G2	6544	170	B1-U3-G2	6708	175	B1-U3-G2		1909	64	B1-U2-G1
			IV-FT	5348	139	B1-U3-G3	5794	151	B1-U3-G3	5943	155	B1-U3-G3	6091	159	B1-U3-G3		1733	58	B0-U3-G2
			VSQ-M	6065	158	B3-U3-G2	6569	171	B3-U3-G2	6738	175	B3-U3-G3	6907	180	B3-U3-G3		1965	66	B1-U2-G1
			VSQ-N	6123	159	B2-U3-G2	6634	173	B2-U3-G2	6804	177	B2-U3-G2	6974	182	B2-U3-G2		1986	66	B1-U2-G1
			VSQ-W	5905	154	B3-U3-G3	6398	167	B3-U3-G3	6562	171	B3-U3-G3	6726	175	B3-U3-G3		1914	64	B1-U3-G2
			II-HS	4277	111	B1-U3-G2	4635	121	B1-U3-G2	4753	124	B1-U3-G2	4871	127	B1-U3-G2		1387	46	B0-U2-G1
			II-FR-HS	4306	112	B1-U3-G1	4665	121	B1-U3-G1	4784	125	B1-U3-G1	4904	128	B1-U3-G1		1396	47	B0-U2-G1
			III-M-HS	4332	113	B1-U3-G2	4695	122	B1-U3-G2	4815	125	B1-U3-G2	4934	128	B1-U3-G2		1405	47	B0-U2-G1
			III-W-HS	4241	110	B1-U3-G3	4595	120	B1-U3-G3	4712	123	B1-U3-G3	4829	126	B1-U3-G3		1374	46	B0-U2-G2
			IV-HS	4476	117	B1-U3-G2	4851	126	B1-U3-G2	4974	130	B1-U3-G2	5098	133	B1-U3-G2		1451	48	B0-U2-G1
			IV-FT-HS	4231	110	B1-U3-G3	4584	119	B1-U3-G3	4701	122	B1-U3-G3	4818	125	B1-U3-G3		1371	46	B0-U2-G2
			IV-CL-XHS	3951	103	B1-U3-G1	4281	111	B1-U3-G1	4391	114	B1-U3-G1	4500	117	B1-U3-G1		1281	43	B0-U2-G1

PHOTOMETRIC DATA GUIDE - LUMEN TABLES

LCL-PLED-PRA																			
No. LED	mA	Watts	Dist'n	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			Watts	TRA (590nm)		
				Lumens	LPW	BUG	Lumens	LPW	BUG	Lumens	LPW	BUG	Lumens	LPW	BUG		Lumens	LPW	BUG
36	525	58	II	8438	145	B2-U3-G3	9142	158	B2-U3-G3	9376	162	B2-U3-G3	9610	166	B2-U3-G3	45.2	2223	49	B1-U2-G1
			II-FR	8405	145	B2-U3-G2	9106	157	B2-U3-G2	9339	161	B2-U3-G2	9573	165	B2-U3-G2		2214	49	B1-U3-G1
			III-M	8595	148	B2-U3-G3	9312	161	B2-U3-G3	9550	165	B2-U3-G3	9788	169	B2-U3-G3		2264	50	B1-U3-G1
			III-W	7969	137	B2-U3-G4	8634	149	B2-U3-G4	8855	153	B2-U3-G4	9076	156	B2-U3-G4		2100	46	B1-U3-G2
			IV	8537	147	B2-U3-G3	9248	159	B2-U3-G3	9485	164	B2-U3-G3	9721	168	B2-U3-G3		2249	50	B1-U2-G1
			IV-CL	8541	147	B2-U3-G2	9253	160	B2-U3-G2	9491	164	B2-U3-G2	9728	168	B2-U3-G2		2250	50	B1-U3-G1
			IV-FT	7754	134	B1-U3-G4	8402	145	B2-U3-G4	8617	149	B2-U3-G4	8832	152	B2-U3-G4		2043	45	B1-U3-G2
			VSQ-M	8795	152	B3-U3-G3	9528	164	B3-U3-G3	9772	168	B3-U3-G3	10015	173	B3-U3-G3		2317	51	B1-U3-G1
			VSQ-N	8879	153	B3-U3-G2	9620	166	B3-U3-G2	9866	170	B3-U3-G2	10113	174	B3-U3-G2		2340	52	B1-U3-G1
			VSQ-W	8562	148	B3-U3-G4	9276	160	B3-U3-G4	9514	164	B3-U3-G4	9752	168	B3-U3-G4		2256	50	B1-U3-G2
			II-HS	6202	107	B1-U3-G3	6719	116	B1-U3-G3	6892	119	B1-U3-G3	7064	122	B1-U3-G3		1634	36	B0-U2-G1
			II-FR-HS	6244	108	B1-U3-G2	6765	117	B1-U3-G2	6938	120	B1-U3-G2	7112	123	B1-U3-G2		1645	36	B0-U2-G1
			III-M-HS	6283	108	B1-U3-G3	6807	117	B1-U3-G3	6981	120	B1-U3-G3	7156	123	B1-U3-G3		1655	37	B0-U2-G1
			III-W-HS	6149	106	B1-U3-G3	6662	115	B1-U3-G4	6833	118	B1-U3-G4	7003	121	B1-U3-G4		1620	36	B0-U3-G2
			IV-HS	6492	112	B1-U3-G3	7033	121	B1-U3-G3	7214	124	B1-U3-G3	7394	127	B1-U3-G3		1710	38	B0-U2-G1
			IV-FT-HS	6135	106	B1-U3-G3	6646	115	B1-U3-G4	6816	118	B1-U3-G4	6986	120	B1-U3-G4		1616	36	B0-U3-G2
			IV-CL-XHS	5730	99	B1-U3-G2	6208	107	B1-U3-G2	6367	110	B1-U3-G2	6526	113	B1-U3-G2		1510	33	B0-U2-G1
36	700	77.6	II	10815	139	B2-U3-G3	11717	151	B3-U3-G3	12017	155	B3-U3-G3	12318	159	B3-U3-G3	N/A	N/A		
			II-FR	10773	139	B2-U3-G2	11671	150	B2-U3-G3	11970	154	B2-U3-G3	12269	158	B2-U3-G3				
			III-M	11017	142	B2-U3-G3	11935	154	B2-U3-G3	12241	158	B2-U3-G3	12547	162	B2-U3-G4				
			III-W	10215	132	B2-U3-G4	11066	143	B2-U3-G4	11350	146	B2-U3-G4	11634	150	B2-U3-G5				
			IV	10941	141	B2-U3-G3	11852	153	B2-U3-G3	12156	157	B2-U3-G3	12461	161	B2-U3-G3				
			IV-CL	10947	141	B2-U3-G2	11860	153	B2-U3-G2	12164	157	B2-U3-G2	12468	161	B2-U3-G2				
			IV-FT	9940	128	B2-U3-G4	10768	139	B2-U3-G4	11044	142	B2-U3-G5	11321	146	B2-U3-G5				
			VSQ-M	11271	145	B3-U3-G3	12210	157	B3-U3-G3	12524	161	B3-U3-G3	12837	165	B4-U3-G3				
			VSQ-N	11382	147	B3-U3-G3	12330	159	B3-U3-G3	12647	163	B3-U3-G3	12963	167	B3-U3-G3				
			VSQ-W	10974	141	B3-U3-G4	11889	153	B4-U3-G4	12193	157	B4-U3-G5	12498	161	B4-U4-G5				
			II-HS	7950	102	B1-U3-G3	8613	111	B2-U3-G3	8834	114	B2-U3-G3	9054	117	B2-U3-G3				
			II-FR-HS	8003	103	B1-U3-G2	8670	112	B1-U3-G2	8893	115	B1-U3-G2	9115	117	B1-U3-G2				
			III-M-HS	8054	104	B1-U3-G3	8726	112	B1-U3-G3	8949	115	B1-U3-G3	9173	118	B1-U3-G3				
			III-W-HS	7882	102	B1-U3-G4	8539	110	B1-U3-G4	8758	113	B1-U3-G4	8977	116	B1-U3-G4				
			IV-HS	8321	107	B1-U3-G3	9015	116	B1-U3-G3	9246	119	B1-U3-G3	9476	122	B1-U3-G3				
			IV-FT-HS	7863	101	B1-U3-G4	8518	110	B1-U3-G4	8736	113	B1-U3-G4	8955	115	B1-U3-G4				
			IV-CL-XHS	7344	95	B1-U3-G2	7957	103	B1-U3-G2	8160	105	B1-U3-G2	8364	108	B1-U3-G2				
36	875	97.4	II	12973	133	B3-U3-G3	14054	144	B3-U3-G4	14414	148	B3-U3-G4	14774	152	B3-U3-G4	N/A	N/A		
			II-FR	12921	133	B2-U3-G3	13999	144	B3-U3-G3	14358	147	B3-U3-G3	14717	151	B3-U3-G3				
			III-M	13214	136	B3-U3-G4	14316	147	B3-U3-G4	14683	151	B3-U3-G4	15049	155	B3-U3-G4				
			III-W	12252	126	B2-U3-G5	13274	136	B2-U3-G5	13614	140	B2-U3-G5	13954	143	B2-U3-G5				
			IV	13123	135	B2-U3-G4	14217	146	B3-U3-G4	14581	150	B3-U3-G4	14945	153	B3-U3-G4				
			IV-CL	13131	135	B2-U3-G2	14226	146	B2-U3-G3	14590	150	B2-U3-G3	14955	154	B2-U3-G3				
			IV-FT	11922	122	B2-U3-G5	12916	133	B2-U3-G5	13247	136	B2-U3-G5	13578	139	B2-U3-G5				
			VSQ-M	13520	139	B4-U3-G3	14648	150	B4-U3-G3	15023	154	B4-U3-G4	15398	158	B4-U3-G4				
			VSQ-N	13652	140	B3-U3-G3	14790	152	B3-U3-G3	15169	156	B3-U3-G3	15548	160	B3-U3-G3				
			VSQ-W	13165	135	B4-U4-G5	14262	146	B4-U4-G5	14628	150	B4-U4-G5	14994	154	B4-U4-G5				
			II-HS	9536	98	B2-U3-G3	10331	106	B2-U3-G3	10596	109	B2-U3-G3	10860	111	B2-U3-G3				
			II-FR-HS	9600	99	B1-U3-G2	10401	107	B2-U3-G2	10667	110	B2-U3-G2	10934	112	B2-U3-G2				
			III-M-HS	9660	99	B1-U3-G3	10466	107	B2-U3-G3	10734	110	B2-U3-G3	11002	113	B2-U3-G3				
			III-W-HS	9454	97	B1-U3-G4	10243	105	B2-U3-G5	10505	108	B2-U3-G5	10767	111	B2-U3-G5				
			IV-HS	9981	102	B1-U3-G3	10814	111	B2-U3-G3	11091	114	B2-U3-G3	11368	117	B2-U3-G3				
			IV-FT-HS	9432	97	B1-U3-G4	10219	105	B1-U3-G5	10480	108	B1-U3-G5	10742	110	B1-U3-G5				
			IV-CL-XHS	8810	90	B1-U3-G2	9544	98	B1-U3-G2	9789	101	B1-U3-G2	10034	103	B1-U3-G2				
36	1050	117.1	II	14888	127	B3-U3-G4	16130	138	B3-U3-G4	16543	141	B3-U3-G4	16956	145	B3-U3-G4	N/A	N/A		
			II-FR	14830	127	B3-U3-G3	16066	137	B3-U3-G3	16478	141	B3-U3-G3	16890	144	B3-U3-G3				
			III-M	15166	130	B3-U3-G4	16430	140	B3-U3-G4	16851	144	B3-U3-G4	17272	147	B3-U3-G4				
			III-W	14061	120	B2-U3-G5	15234	130	B2-U3-G5	15624	133	B3-U3-G5	16015	137	B3-U3-G5				
			IV	15060	129	B3-U3-G4	16316	139	B3-U3-G4	16734	143	B3-U3-G4	17152	146	B3-U3-G4				
			IV-CL	15070	129	B2-U3-G3	16326	139	B2-U3-G3	16745	143	B2-U3-G3	17163	147	B3-U3-G3				
			IV-FT	13683	117	B2-U3-G5	14824	127	B2-U3-G5	15204	130	B2-U3-G5	15584	133	B2-U3-G5				
			VSQ-M	15515	132	B4-U3-G4	16810	144	B4-U3-G4	17240	147	B4-U3-G4	17671	151	B4-U3-G4				
			VSQ-N	15668	134	B3-U3-G3	16974	145	B3-U3-G3	17410	149	B3-U3-G3	17845	152	B3-U3-G3				
			VSQ-W	15108	129	B4-U4-G5	16369	140	B4-U4-G5	16788	143	B4-U4-G5	17207	147	B4-U4-G5				
			II-HS	10944	93	B2-U3-G3	11856	101	B2-U3-G3	12160	104	B2-U3-G4	12464	106	B2-U3-G4				
			II-FR-HS	11018	94	B2-U3-G2	11937	102	B2-U3-G3	12243	105	B2-U3-G3	12548	107	B2-U3-G3				
			III-M-HS	11087	95	B2-U3-G4	12011	103	B2-U3-G4	12320	105	B2-U3-G4	12628	108	B2-U3-G4				
			III-W-HS	10850	93	B2-U3-G5	11755	100	B2-U3-G5	12056	103	B2-U3-G5	12357	106	B2-U3-G5				
			IV-HS	11455	98	B2-U3-G3	12410	106	B2-U3-G3	12728	109	B2-U3-G4	13047	111	B2-U3-G4				
			IV-FT-HS	10825	92	B1-U3-G5	11728	100	B2-U3-G5	12028	103	B2-U3-G5	12328	105	B2-U3-G5				
			IV-CL-XHS	10110	86	B1-U3-G2	10953	94	B1-U3-G2	11234	96	B1-U3-G3	11515	98	B1-U3-G3				

PHOTOMETRIC DATA GUIDE - LUMEN TABLES

LCL-PLED-PRA																			
No. LED	mA	Watts	Dist'n	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			Watts	TRA (590nm)		
				Lumens	LPW	BUG	Lumens	LPW	BUG	Lumens	LPW	BUG	Lumens	LPW	BUG		Lumens	LPW	BUG
48	175	25.7	II	3973	155	B1-U3-G2	4305	168	B1-U3-G2	4415	172	B1-U3-G2	4525	176	B1-U3-G2	20	1528	76	B1-U2-G1
			II-FR	3958	154	B1-U3-G1	4288	167	B1-U3-G1	4398	171	B1-U3-G1	4508	175	B1-U3-G1		1523	76	B1-U2-G1
			III-M	4047	157	B1-U3-G2	4385	171	B1-U3-G2	4497	175	B1-U3-G2	4609	179	B1-U3-G2		1557	78	B1-U2-G1
			III-W	3753	146	B1-U3-G3	4067	158	B1-U3-G3	4171	162	B1-U3-G3	4275	166	B1-U3-G3		1444	72	B0-U2-G1
			IV	4019	156	B1-U3-G2	4356	169	B1-U3-G2	4467	174	B1-U3-G2	4578	178	B1-U3-G2		1547	77	B1-U2-G1
			IV-CL	4083	159	B1-U3-G1	4424	172	B1-U3-G1	4537	177	B1-U3-G1	4651	181	B1-U3-G1		1571	79	B0-U2-G1
			IV-FT	3652	142	B1-U3-G3	3957	154	B1-U3-G3	4059	158	B1-U3-G3	4160	162	B1-U3-G3		1405	70	B0-U2-G1
			VSQ-M	4142	161	B2-U3-G2	4488	175	B2-U3-G2	4602	179	B2-U3-G2	4717	184	B2-U3-G2		1593	80	B1-U2-G1
			VSQ-N	4182	163	B2-U3-G1	4531	176	B2-U3-G1	4647	181	B2-U3-G1	4763	185	B2-U3-G1		1609	80	B1-U2-G1
			VSQ-W	4032	157	B2-U3-G3	4369	170	B2-U3-G3	4480	174	B2-U3-G3	4592	179	B2-U3-G3		1551	78	B1-U3-G1
			II-HS	2920	114	B1-U3-G2	3165	123	B1-U3-G2	3246	126	B1-U3-G2	3326	129	B1-U3-G2		1123	56	B0-U2-G1
			II-FR-HS	2940	114	B1-U3-G1	3186	124	B1-U3-G1	3268	127	B1-U3-G1	3349	130	B1-U3-G1		1131	57	B0-U2-G1
			III-M-HS	2958	115	B1-U3-G2	3206	125	B1-U3-G2	3288	128	B1-U3-G2	3369	131	B1-U3-G2		1138	57	B0-U2-G1
			III-W-HS	2896	113	B1-U3-G2	3139	122	B1-U3-G3	3219	125	B1-U3-G3	3298	128	B1-U3-G3		1114	56	B0-U2-G1
			IV-HS	3056	119	B1-U3-G2	3312	129	B1-U3-G2	3397	132	B1-U3-G2	3481	135	B1-U3-G2		1176	59	B0-U2-G1
			IV-FT-HS	2889	112	B1-U3-G2	3131	122	B1-U3-G3	3211	125	B1-U3-G3	3291	128	B1-U3-G3		1112	56	B0-U2-G1
			IV-CL-XHS	2739	107	B0-U3-G1	2969	116	B0-U3-G1	3044	118	B1-U3-G1	3119	121	B1-U3-G1		1054	53	B0-U2-G1
48	350	51.2	II	7758	152	B2-U3-G3	8405	164	B2-U3-G3	8621	168	B2-U3-G3	8836	173	B2-U3-G3	39.9	2515	63	B1-U3-G1
			II-FR	7727	151	B2-U3-G2	8372	164	B2-U3-G2	8587	168	B2-U3-G2	8801	172	B2-U3-G2		2505	63	B1-U3-G1
			III-M	7903	154	B2-U3-G3	8562	167	B2-U3-G3	8781	172	B2-U3-G3	9001	176	B2-U3-G3		2562	64	B1-U3-G2
			III-W	7327	143	B1-U3-G3	7939	155	B2-U3-G4	8142	159	B2-U3-G4	8345	163	B2-U3-G4		2375	60	B1-U3-G2
			IV	7849	153	B2-U3-G3	8503	166	B2-U3-G3	8721	170	B2-U3-G3	8939	175	B2-U3-G3		2544	64	B1-U3-G1
			IV-CL	7852	153	B1-U3-G2	8508	166	B2-U3-G2	8726	170	B2-U3-G2	8944	175	B2-U3-G2		2546	64	B1-U3-G1
			IV-FT	7130	139	B1-U3-G3	7725	151	B1-U3-G4	7923	155	B1-U3-G4	8121	159	B1-U3-G4		2311	58	B1-U3-G2
			VSQ-M	8085	158	B3-U3-G3	8760	171	B3-U3-G3	8984	175	B3-U3-G3	9208	180	B3-U3-G3		2621	66	B2-U3-G1
			VSQ-N	8165	159	B3-U3-G2	8846	173	B3-U3-G2	9073	177	B3-U3-G2	9299	182	B3-U3-G2		2646	66	B1-U3-G1
			VSQ-W	7873	154	B3-U3-G3	8530	167	B3-U3-G4	8748	171	B3-U3-G4	8967	175	B3-U3-G4		2552	64	B2-U3-G2
			II-HS	5703	111	B1-U3-G3	6178	121	B1-U3-G3	6337	124	B1-U3-G3	6495	127	B1-U3-G3		1849	46	B1-U2-G1
			II-FR-HS	5740	112	B1-U3-G2	6220	121	B1-U3-G2	6379	125	B1-U3-G2	6538	128	B1-U3-G2		1861	47	B0-U2-G1
			III-M-HS	5777	113	B1-U3-G3	6259	122	B1-U3-G3	6419	125	B1-U3-G3	6580	129	B1-U3-G3		1873	47	B0-U2-G1
			III-W-HS	5654	110	B1-U3-G3	6126	120	B1-U3-G3	6283	123	B1-U3-G3	6439	126	B1-U3-G3		1833	46	B0-U3-G2
			IV-HS	5969	117	B1-U3-G3	6467	126	B1-U3-G3	6632	130	B1-U3-G3	6798	133	B1-U3-G3		1935	48	B0-U2-G1
			IV-FT-HS	5640	110	B1-U3-G3	6112	119	B1-U3-G3	6267	122	B1-U3-G3	6423	125	B1-U3-G3		1828	46	B0-U3-G2
			IV-CL-XHS	5268	103	B1-U3-G2	5708	111	B1-U3-G2	5854	114	B1-U3-G2	6000	117	B1-U3-G2		1708	43	B0-U2-G1
48	525	77.3	II	11251	146	B3-U3-G3	12189	158	B3-U3-G3	12502	162	B3-U3-G3	12814	166	B3-U3-G3	60.3	2964	49	B1-U3-G2
			II-FR	11206	145	B2-U3-G2	12142	157	B2-U3-G3	12453	161	B2-U3-G3	12763	165	B2-U3-G3		2952	49	B1-U3-G1
			III-M	11460	148	B2-U3-G3	12416	161	B2-U3-G4	12734	165	B2-U3-G4	13052	169	B3-U3-G4		3019	50	B1-U3-G2
			III-W	10626	137	B2-U3-G4	11512	149	B2-U3-G5	11807	153	B2-U3-G5	12102	157	B2-U3-G5		2800	46	B1-U3-G2
			IV	11381	147	B2-U3-G3	12331	160	B2-U3-G3	12647	164	B2-U3-G3	12963	168	B2-U3-G4		2998	50	B1-U3-G2
			IV-CL	11388	147	B2-U3-G2	12338	160	B2-U3-G2	12654	164	B2-U3-G2	12970	168	B2-U3-G2		3001	50	B1-U3-G1
			IV-FT	10340	134	B2-U3-G4	11202	145	B2-U3-G5	11489	149	B2-U3-G5	11777	152	B2-U3-G5		2724	45	B1-U3-G2
			VSQ-M	11725	152	B3-U3-G3	12702	164	B4-U3-G3	13029	169	B4-U3-G3	13355	173	B4-U3-G3		3089	51	B2-U3-G2
			VSQ-N	11839	153	B3-U3-G3	12828	166	B3-U3-G3	13156	170	B3-U3-G3	13484	174	B3-U3-G3		3119	52	B1-U3-G1
			VSQ-W	11417	148	B3-U3-G4	12369	160	B4-U3-G5	12686	164	B4-U4-G5	13003	168	B4-U4-G5		3008	50	B2-U3-G2
			II-HS	8270	107	B2-U3-G3	8960	116	B2-U3-G3	9189	119	B2-U3-G3	9419	122	B2-U3-G3		2179	36	B1-U2-G1
			II-FR-HS	8325	108	B1-U3-G2	9020	117	B1-U3-G2	9251	120	B1-U3-G2	9482	123	B1-U3-G2		2193	36	B0-U3-G1
			III-M-HS	8378	108	B1-U3-G3	9077	117	B1-U3-G3	9309	120	B1-U3-G3	9541	123	B1-U3-G3		2207	37	B1-U2-G1
			III-W-HS	8199	106	B1-U3-G4	8883	115	B1-U3-G4	9111	118	B1-U3-G4	9338	121	B1-U3-G4		2160	36	B0-U3-G2
			IV-HS	8656	112	B1-U3-G3	9379	121	B1-U3-G3	9619	124	B1-U3-G3	9858	128	B1-U3-G3		2281	38	B0-U2-G1
			IV-FT-HS	8179	106	B1-U3-G4	8861	115	B1-U3-G4	9088	118	B1-U3-G4	9315	121	B1-U3-G4		2155	36	B0-U3-G2
			IV-CL-XHS	7640	99	B1-U3-G2	8278	107	B1-U3-G2	8489	110	B1-U3-G2	8701	113	B1-U3-G2		2013	33	B0-U2-G1
48	700	103.5	II	14420	139	B3-U3-G4	15623	151	B3-U3-G4	16023	155	B3-U3-G4	16423	159	B3-U3-G4	N/A	N/A		
			II-FR	14363	139	B3-U3-G3	15561	150	B3-U3-G3	15960	154	B3-U3-G3	16359	158	B3-U3-G3				
			III-M	14689	142	B3-U3-G4	15914	154	B3-U3-G4	16322	158	B3-U3-G4	16729	162	B3-U3-G4				
			III-W	13619	132	B2-U3-G5	14755	143	B2-U3-G5	15133	146	B2-U3-G5	15511	150	B3-U3-G5				
			IV	14587	141	B3-U3-G4	15805	153	B3-U3-G4	16209	157	B3-U3-G4	16614	161	B3-U3-G4				
			IV-CL	14596	141	B2-U3-G3	15814	153	B2-U3-G3	16219	157	B2-U3-G3	16624	161	B2-U3-G3				
			IV-FT	13252	128	B2-U3-G5	14358	139	B2-U3-G5	14726	142	B2-U3-G5	15093	146	B2-U3-G5				
			VSQ-M	15028	145	B4-U3-G4	16282	157	B4-U3-G4	16699	161	B4-U3-G4	17116	165	B4-U3-G4				
			VSQ-N	15175	147	B3-U3-G3	16440	159	B3-U3-G3	16862	163	B3-U3-G3	17285	167	B3-U3-G3				
			VSQ-W	14632	141	B4-U4-G5	15851	153	B4-U4-G5	16258	157	B4-U4-G5	16664	161	B4-U4-G5				
			II-HS	10600	102	B2-U3-G3	11484	111	B2-U3-G3	11778	114	B2-U3-G3	12073	117	B2-U3-G4				
			II-FR-HS	10671	103	B2-U3-G2	11561	112	B2-U3-G3	11857	115	B2-U3-G3	12153	117	B2-U3-G3				
			III-M-HS	10738	104	B2-U3-G3	11634	112	B2-U3-G4	11932	115	B2-U3-G4	12231	118	B2-U3-G4				
			III-W-HS	10509	102	B2-U3-G5	11386	110	B2-U3-G5	11678	113	B2-U3-G5	11969	116	B2-U3-G5				
			IV-HS	11094	107	B2-U3-G3	12019	116	B2-U3-G3	12327	119	B2-U3-G3	12636	122	B2-U3-G3				
			IV-FT-HS	10483	101	B1-U3-G5	11358	110	B2-U3-G5	11649	113	B2-U3-G5	11940	115	B2-U3-G5				
			IV-CL-XHS	9792	95	B1-U3-G2	10609	103	B1-U3-G2	10881	105	B1-U3-G2	11153	108	B1-U3-G3				

PHOTOMETRIC DATA GUIDE - LUMEN TABLES

LCL-PLED-PRA																		
No. LED	mA	Watts	Dist'n	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			Watts	TRA (590nm)		
				Lumens	LPW	BUG	Lumens	LPW	BUG	Lumens	LPW	BUG	Lumens	LPW	BUG		Lumens	LPW	BUG
48	875	129.8	II	17296	133	B3-U3-G4	18739	144	B3-U3-G4	19219	148	B3-U3-G4	19700	152	B3-U3-G4	N/A	N/A		
			II-FR	17228	133	B3-U3-G3	18666	144	B3-U3-G3	19144	147	B3-U3-G3	19622	151	B3-U3-G3				
			III-M	17619	136	B3-U3-G4	19087	147	B3-U3-G5	19577	151	B3-U3-G5	20067	155	B3-U3-G5				
			III-W	16336	126	B3-U3-G5	17698	136	B3-U4-G5	18152	140	B3-U4-G5	18605	143	B3-U4-G5				
			IV	17497	135	B3-U3-G4	18956	146	B3-U3-G4	19442	150	B3-U3-G5	19928	154	B3-U3-G5				
			IV-CL	17508	135	B3-U3-G3	18968	146	B3-U3-G3	19454	150	B3-U3-G3	19940	154	B3-U3-G3				
			IV-FT	15896	122	B2-U3-G5	17222	133	B3-U4-G5	17663	136	B3-U4-G5	18104	139	B3-U4-G5				
			VSQ-M	18027	139	B4-U3-G4	19529	150	B4-U3-G4	20030	154	B4-U3-G4	20531	158	B4-U3-G4				
			VSQ-N	18202	140	B3-U3-G3	19720	152	B4-U3-G3	20226	156	B4-U3-G3	20731	160	B4-U3-G3				
			VSQ-W	17552	135	B4-U4-G5	19017	147	B4-U4-G5	19504	150	B4-U4-G5	19990	154	B4-U4-G5				
			II-HS	12714	98	B2-U3-G4	13775	106	B2-U3-G4	14128	109	B2-U3-G4	14481	112	B2-U3-G4				
			II-FR-HS	12800	99	B2-U3-G3	13868	107	B2-U3-G3	14223	110	B2-U3-G3	14578	112	B2-U3-G3				
			III-M-HS	12880	99	B2-U3-G4	13955	108	B2-U3-G4	14313	110	B2-U3-G4	14670	113	B2-U3-G4				
			III-W-HS	12605	97	B2-U3-G5	13657	105	B2-U3-G5	14007	108	B2-U3-G5	14357	111	B2-U3-G5				
			IV-HS	13308	103	B2-U3-G4	14418	111	B2-U3-G4	14788	114	B2-U3-G4	15157	117	B2-U3-G4				
			IV-FT-HS	12576	97	B2-U3-G5	13624	105	B2-U3-G5	13974	108	B2-U3-G5	14323	110	B2-U3-G5				
			IV-CL-XHS	11746	90	B1-U3-G3	12726	98	B1-U3-G3	13052	101	B1-U3-G3	13378	103	B1-U3-G3				
48	1050	156.2	II	19851	127	B3-U3-G5	21506	138	B3-U3-G5	22058	141	B3-U3-G5	22609	145	B3-U4-G5	N/A	N/A		
			II-FR	19773	127	B3-U3-G3	21422	137	B3-U4-G3	21971	141	B3-U4-G3	22520	144	B3-U4-G3				
			III-M	20221	129	B3-U3-G5	21907	140	B3-U3-G5	22468	144	B3-U4-G5	23030	147	B3-U4-G5				
			III-W	18749	120	B3-U4-G5	20312	130	B3-U4-G5	20833	133	B3-U4-G5	21354	137	B3-U4-G5				
			IV	20081	129	B3-U3-G5	21755	139	B3-U3-G5	22312	143	B3-U3-G5	22870	146	B3-U4-G5				
			IV-CL	20093	129	B3-U3-G3	21769	139	B3-U4-G3	22327	143	B3-U4-G3	22885	147	B3-U4-G3				
			IV-FT	18244	117	B3-U4-G5	19765	127	B3-U4-G5	20272	130	B3-U4-G5	20779	133	B3-U4-G5				
			VSQ-M	20688	132	B4-U3-G4	22413	143	B4-U4-G5	22988	147	B4-U4-G5	23562	151	B4-U4-G5				
			VSQ-N	20891	134	B4-U3-G3	22633	145	B4-U4-G3	23213	149	B4-U4-G3	23793	152	B4-U4-G3				
			VSQ-W	20145	129	B4-U4-G5	21823	140	B4-U4-G5	22384	143	B4-U4-G5	22944	147	B4-U4-G5				
			II-HS	14592	93	B2-U3-G4	15809	101	B2-U3-G4	16214	104	B2-U3-G4	16619	106	B3-U3-G4				
			II-FR-HS	14691	94	B2-U3-G3	15915	102	B2-U3-G3	16324	105	B2-U3-G3	16732	107	B2-U3-G3				
			III-M-HS	14783	95	B2-U3-G4	16016	103	B2-U3-G4	16426	105	B2-U3-G4	16836	108	B2-U3-G5				
			III-W-HS	14467	93	B2-U3-G5	15673	100	B2-U3-G5	16075	103	B2-U4-G5	16477	105	B2-U4-G5				
			IV-HS	15274	98	B2-U3-G4	16548	106	B2-U3-G4	16972	109	B2-U3-G4	17395	111	B2-U3-G4				
			IV-FT-HS	14433	92	B2-U3-G5	15636	100	B2-U4-G5	16037	103	B2-U4-G5	16439	105	B2-U4-G5				
			IV-CL-XHS	13481	86	B1-U3-G3	14605	94	B2-U3-G3	14979	96	B2-U3-G3	15353	98	B2-U3-G3				