U.S. ARCHITECTURAL LIGHTING

PROJECT NAME:

PROJECT TYPE:

QBIX

SQUARE ARCHITECTURAL SCONCE

Housing
Low Copper (<0.2% copper) A365 aluminum alloy Housing. IP65 User-accessible Driver Housing with Field Replaceable LED Modules and Power Supplies. High temperature rated silicone gasket. Mechanically captive and vandal-proof stainless-steel fasteners. Separate Conduit Wiring Box (Optional)

PLED™ Optics
Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. LED optics completely seal each individual emitter to meet an IP66 rating. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side, maximizing usable light. Optional house side shields are available that cover each individual optic. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce standard site/area distributions. Panels are field replaceable and field rotatable in 90° increments. Quick-disconnects are provided above each panel for fast field replacement. No lens (NL) and all flat lens options will provide "U0" no uplight optical packages that are Dark Sky friendly.

ALED™ Optics
Emitters (LED's) tuned for high resolution (80 CRI), low color over angle (COA), and high intensity are arrayed on a PCB panel with each emitter located on a copper thermal transfer pad. Collimating optics molded in PMMA acrylic are positioned over each emitter to deliver a specified and uniform distribution of light in either symmetric or asymmetric patterns to maximize delivered footcandles and visual impact. Optional holographic diffusing films are added to further refine the shape and uniformity of the beam. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. ALED™ Uplight beam (only) is field adjustable +/- 10 degrees vertically via a patented field accessible hex socket Aiming Port on the upper right-hand side of the fixture.

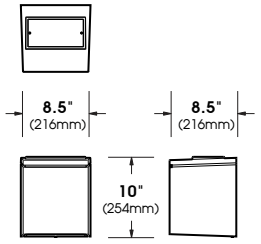
LED Driver(s)
Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V,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

LED Emitters
High output LED's are utilized with drive currents ranging from 175mA to 875mA. 70 Minimum (PLED™) / 80 Minimum (ALED™). LED's are available in standard Neutral White (4000K), or optional Cool White (5000K), Soft White (3000K), or Warm White (2700K). Consult Factory for other LED options.

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

Finish
Super TGIC polyester polymer coating, pre-treated with a four-stage process for maximum adhesion and color retention. Standard Colors Black, White, Grey, Dark Bronze. Optional Marine Grade (1000hrs B117), and available RAL and custom color finishes provided in either polyester powder or liquid.

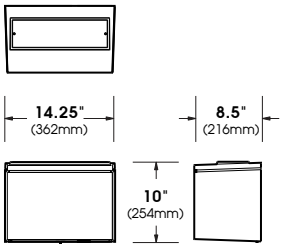




QBX-C (Compact)

(Shown with Accent Light up & Area Light down)





QBX-M (Medium)

(Shown with Accent Light up & Area Light down)

2026314

SPECIFICATIONS

EPA & WEIGHT







QBX-C-AU
Max Weight = 14 lbs
10 LED Max (ALED™)

Accent Light (ALED™) up, no light down





QBX-C-AD
Max Weight = 14 lbs
16 LED Max (ALED™)

No light up, Accent Light (ALED™) down





QBX-C-PD
Max Weight = 14 lbs
16 LED Max (PLED™)

No light up, Area Light (PLED™) down





QBX-C-AP
Max Weight = 14 lbs
10 LED Max (ALED™)
16 LED Max (PLED™)

Accent Light (ALED™) up, Area Light (PLED™) down





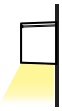
QBX-C-AA
Max Weight = 14 lbs
10 LED Max (ALED™ up)
16 LED Max (ALED™ dn)

Accent Light (ALED™) up, Accent Light (ALED™) down



w/ Ambiance Low Luminence Lens





QBX-C-PD-AL
Max Weight = 22 lbs
16 LED Max (PLED™)

No light up, Area Light (PLED™) down





QBX-C-AP-AL
Max Weight = 22 lbs
10 LED Max (ALED™)
16 LED Max (PLED™)

Accent Light (ALED™) up, Area Light (PLED™) down







QBX-M-AU
Max Weight = 22 lbs
20 LED Max (ALED™)

Accent Light (ALED™) up, no light down

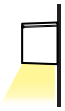




QBX-M-AD
Max Weight = 22 lbs
32 LED Max (ALED™)

No light up, Accent Light (ALED™) down





QBX-M-PD
Max Weight = 22 lbs
32 LED Max (PLED™)

No light up, Area Light (PLED™) down

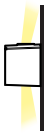




QBX-M-AP
Max Weight = 22 lbs
20 LED Max (ALED™)
32 LED Max (PLED™)

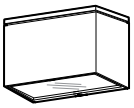
Accent Light (ALED™) up, Area Light (PLED™) down





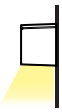
QBX-M-AA
Max Weight = 22 lbs
20 LED Max (ALED™ up)
32 LED Max (ALED™ dn)

Accent Light (ALED™) up, Accent Light (ALED™) down



w/ Ambiance Low Luminence Lens





QBX-M-PD-AL
Max Weight = 22 lbs
32 LED Max (PLED™)

No light up, Area Light (PLED™) down





QBX-M-AP-AL
Max Weight = 22 lbs
20 LED Max (ALED™)
32 LED Max (PLED™)

Accent Light (ALED™) up, Area Light (PLED™) down

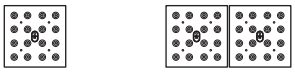
LED MODULES

ALED™
(Accent Up Light)



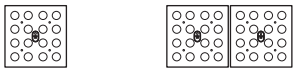
10 LED Module | 20 LED Module

PLED™
(Area Down Light)



16 LED Module | 32 LED Module

ALED™
(Accent Down Light)



16 LED Module | 32 LED Module

ORDERING INFORMATION

Spec/Order Example: QBX-C-PD/PLED-IV-FT/26W-16L-30K/UNV/9005-T/SP

Luminaire	Optics	LED Mode			Voltage	Finish	Options
Luminaire	**Optics**	**LED**			**Voltage**	**Finish**	**Options**

Luminaire

QBX-C-AU (Accent Up, No Down Light)

QBX-C-AD (No Up Light, Accent Down)

QBX-C-PD (No Up Light, Area Down)

QBX-C-AP (Accent Up, Area Down)

QBX-C-AA (Accent Up, Accent Down)

QBX-M-AU (Accent Up, No Down Light)

QBX-M-AD (No Up Light, Accent Down)

QBX-M-PD (No Up Light, Area Down)

QBX-M-AP (Accent Up, Area Down)

QBX-M-AA (Accent Up, Accent Down)

Optics

ALED™ Distribution Type
Accent Light Up/Down

- **NS** Narrow-Spot (~14°)
- **MW** MED-ASY (16° x 47°)
- **WW** WIDE-ASY (17° x 75°)

PLED™ Distribution Type
Area Down

- **PLED-II**
- **PLED-II-FR**
- **PLED-III-M**
- **PLED-III-W**
- **PLED-IV**
- **PLED-IV-FT**

Ambience™ Lens Options: (PLED™ only)

- **AL-ASY**

LED

Wattage & Drive Current	# of LEDs	Color Temp - CCT
Accent Up		
30W - 875mA	**10L**	**27K** (2700K)
24W - 700mA		**30K** (3000K)
18W - 525mA		**40K** (4000K)
12W - 350mA		**50K** (5000K)
		Consult Factory for Other LED Color, CCT, & CRI Options
Accent Down		
44W - 875mA	**16L**	**TRA**[1] True Amber
35W - 700mA		
26W - 525mA		Color Index
17W - 350mA		**CRI80**[2]
		CRI70[3]
Accent Up		
60W - 875mA	**20L**	
48W - 700mA		
36W - 525mA		
24W - 350mA		
Area & Accent Down		
88W - 875mA	**32L**	
70W - 700mA		
52W - 525mA		
34W - 350mA		

NOTES:
1 - 700mA & 875mA not for use with TRA LED's
2 - CRI80 standard on ALED™, optional on PLED™
3 - CRI70 for use with PLED™ only

Voltage

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

Finish

Standard Textured Finish

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

Premium Finishes

- **RUST** Rust
- **PC** Patina Copper
- **SV** Silver Vein
- **CV** Copper Vein
- **GV** Grey Vein
- **GM** Graphite Metallic
- **FBFT** Flat Black Fine Texture

For smooth finish replace suffix "T" with suffix "S" (Example: 9500-S)

Consult factory for custom colors

Options

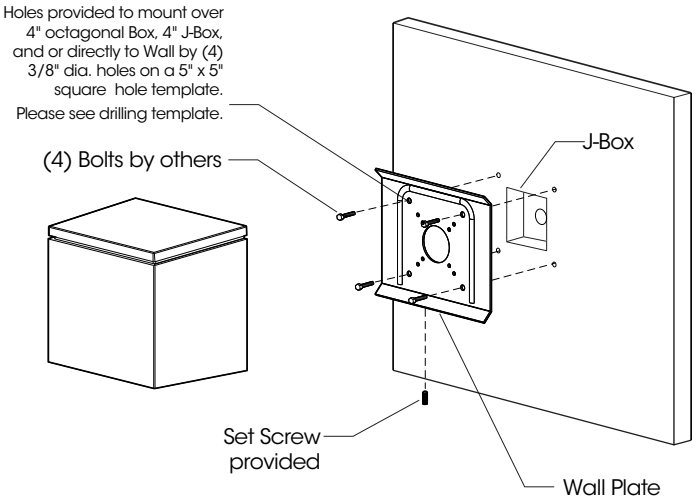
- **HS** Internal House Side Shield (PLED™ only)
- **SF** Single Fuse (120V, 277V)
- **DF** Double Fuse (208V, 240V)
- **EM** Emergency Driver

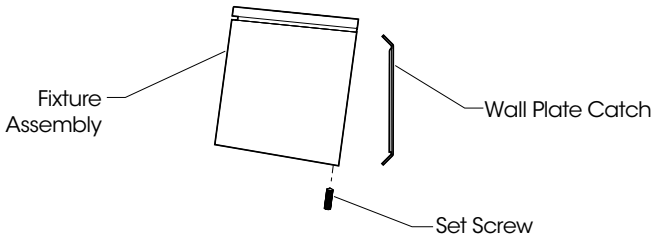
Dimming Controls*

- ☐ 0V-10V (Standard)
- **MS-F311** Blue-Tooth Programmable Photo/Motion Sensor (Factory - Motion 50/100; Photo 75fc)
- **MWS** Microwave Sensor
- **DMX** DMX/RDM
- **DALI** DALI
- ☐ 3rd Party Controls (Please specify)*

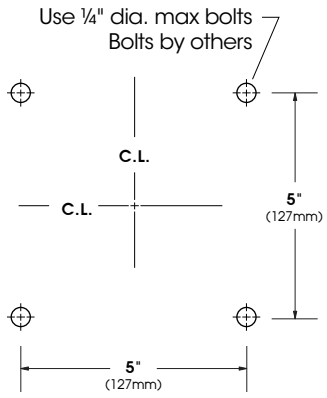
***NOTES:**
Compatible with all major OEM control systems, ex. NLight, Limelight, Enlighted, please contact factory for details.

INSTALLATION DETAIL





DRILLING TEMPLATE



ELECTRICAL DATA GUIDE - AMPERAGE CHART

Electrical Load			Current (A)				
No. LED	Nom. W	Watts	120V	208V	277V	347V	480V
10	12	12	0.10	0.06	0.04	0.04	0.03
10	18	18	0.15	0.09	0.07	0.05	0.04
10	24	24	0.20	0.12	0.09	0.07	0.05
10	30	30	0.25	0.14	0.11	0.09	0.06
16	17	17	0.14	0.08	0.06	0.05	0.04
16	26	26	0.22	0.12	0.09	0.07	0.05
16	35	35	0.29	0.17	0.12	0.10	0.07
16	44	43	0.36	0.21	0.16	0.12	0.09
20	24	25	0.21	0.12	0.09	0.07	0.05
20	36	36	0.30	0.18	0.13	0.10	0.08
20	48	48	0.40	0.23	0.17	0.14	0.10
20	60	60	0.50	0.29	0.22	0.17	0.13
32	34	34	0.28	0.16	0.12	0.10	0.07
32	52	52	0.43	0.25	0.19	0.15	0.11
32	70	69	0.58	0.33	0.25	0.20	0.14
32	88	87	0.72	0.42	0.31	0.25	0.18

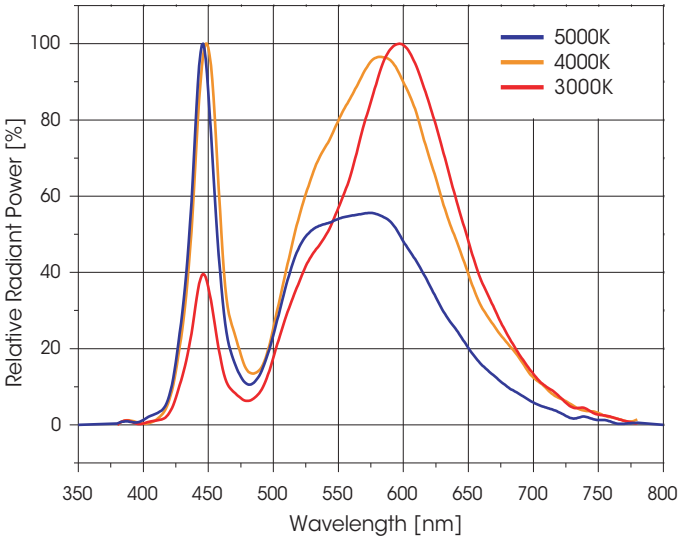
LM-80 LUMEN MAINTENANCE

Drive Range (Nom. W)	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



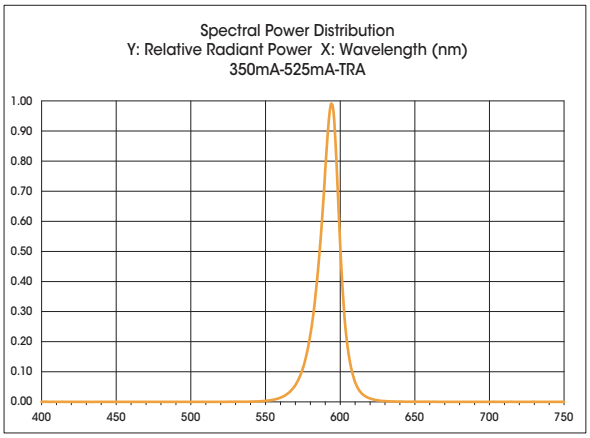
TRUE AMBER (TRA) SPD & PERCENT BLUE LIGHT CALCULATION

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



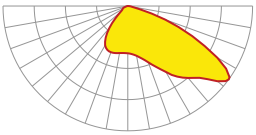
2026309

PHOTOMETRIC GUIDE - PLED OPTICS

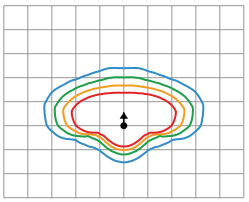
NARROW THROW PLED OPTICS

- 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-II-FR

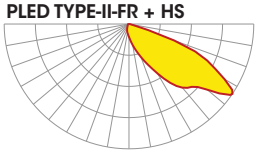


Max CD:
54°V, 73°H

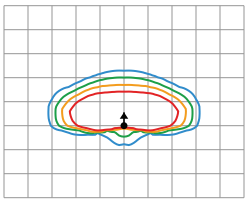


LCS % Luminaire Lumens:
FL=14.7%, FM=49.8%, FH=12.2%, FVH=0.4%
BL=8.9%, BM=11.1%, BH=2.5%, BVH=0.3%
UL=0.0%, UH=0.0%

PLED TYPE-II-FR + HS

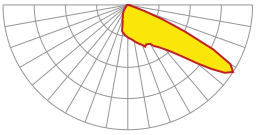


Max CD:
56°V, 75°H

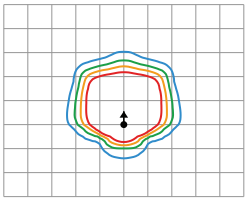


LCS % Luminaire Lumens:
FL=13.9%, FM=63.3%, FH=16.0%, FVH=0.3%
BL=1.4%, BM=3.9%, BH=1.1%, BVH=0.0%
UL=0.0%, UH=0.0%

PLED TYPE-IV-CL

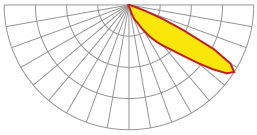


Max CD:
57.5°V, 30°H

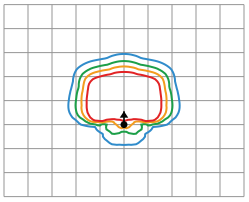


LCS % Luminaire Lumens:
FL=13.6%, FM=56.3%, FH=15.1%, FVH=0.2%
BL=7.5%, BM=6.3%, BH=0.9%, BVH=0.2%
UL=0.0%, UH=0.0%

PLED TYPE-IV-CL + XHS



Max CD:
57.5°V, 30°H

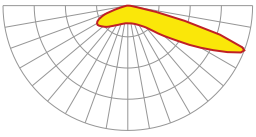


LCS % Luminaire Lumens:
FL=4.9%, FM=70.6%, FH=22.1%, FVH=0.2%
BL=0.7%, BM=1.2%, BH=0.3%, BVH=0.0%
UL=0.0%, UH=0.0%

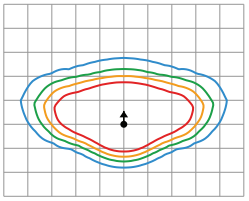
MEDIUM THROW PLED OPTICS

- 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-II

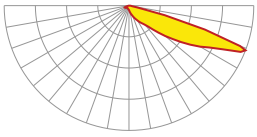


Max CD:
69°V, 77°H

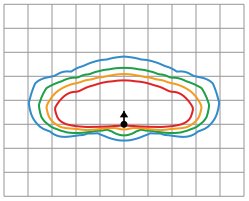


LCS % Luminaire Lumens:
FL=6.5%, FM=33.9%, FH=28.6%, FVH=0.8%
BL=6.3%, BM=17.4%, BH=6.3%, BVH=0.3%
UL=0.0%, UH=0.0%

PLED TYPE-II + HS

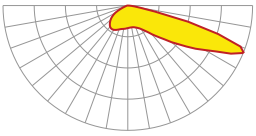


Max CD:
69°V, 77°H

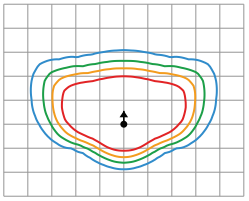


LCS % Luminaire Lumens:
FL=6.9%, FM=48.2%, FH=38.3%, FVH=0.6%
BL=1.0%, BM=2.6%, BH=2.4%, BVH=0.0%
UL=0.0%, UH=0.0%

PLED TYPE-III-M

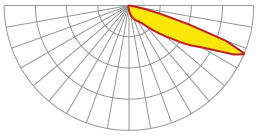


Max CD:
68°V, 61°H

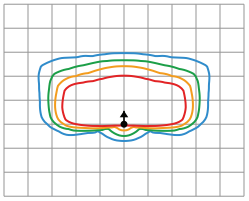


LCS % Luminaire Lumens:
FL=6.4%, FM=33.4%, FH=31.7%, FVH=0.8%
BL=6.5%, BM=16.1%, BH=4.9%, BVH=0.2%
UL=0.0%, UH=0.0%

PLED TYPE-III-M + HS

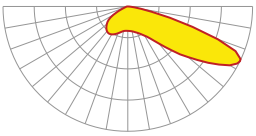


Max CD:
67°V, 60°H

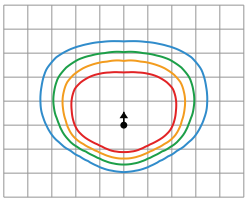


LCS % Luminaire Lumens:
FL=6.2%, FM=45.6%, FH=43.1%, FVH=0.6%
BL=0.9%, BM=2.1%, BH=1.5%, BVH=0.0%
UL=0.0%, UH=0.0%

PLED TYPE-IV

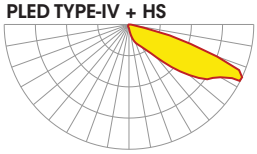


Max CD:
64°V, 52.5°H

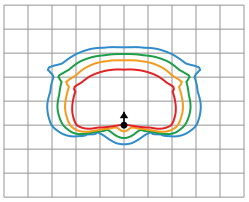


LCS % Luminaire Lumens:
FL=5.9%, FM=35.4%, FH=30.8%, FVH=0.8%
BL=5.8%, BM=16.5%, BH=4.6%, BVH=0.3%
UL=0.0%, UH=0.0%

PLED TYPE-IV + HS



Max CD:
65°V, 54°H



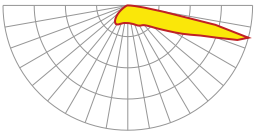
LCS % Luminaire Lumens:
FL=5.6%, FM=50.0%, FH=38.8%, FVH=0.6%
BL=0.8%, BM=2.7%, BH=1.5%, BVH=0.0%
UL=0.0%, UH=0.0%

PHOTOMETRIC GUIDE - PLED OPTICS

WIDE THROW PLED OPTICS

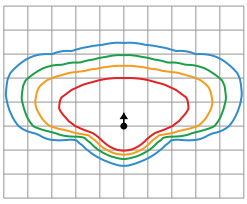
- Wide Throw Distributions, Max Candela from 73° to 75°.
- Designed for 0.50fc to 10fc with Maximum Coverage.
- Largest Pole Spacings for Uniformity.
- Lower Level of Glare Control.
- Typical Site, Area, & Roadway Applications.
- Commercial & Industrial.
- Excellent Bollard Optics for Extreme Coverage.

PLED TYPE-III-W

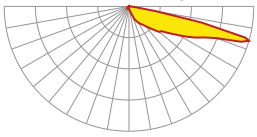


Max CD:
75°V, 68°H

LCS % Luminaire Lumens:
FL=6.4%, FM=28.9%, FH=40.6%, FVH=1.8%
BL=6.5%, BM=11.9%, BH=3.7%, BVH=0.2%
UL=0.0%, UH=0.0%

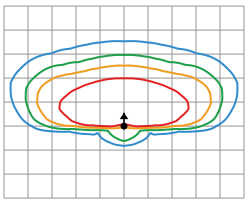


PLED TYPE-III-W + HS

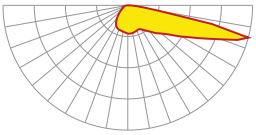


Max CD:
74°V, 69°H

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%

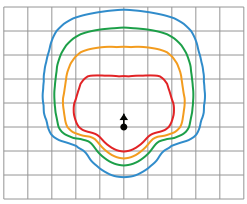


PLED TYPE-IV-FT

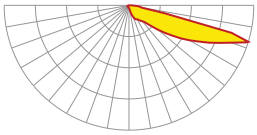


Max CD:
75°V, 30°H

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%

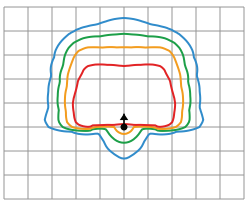


PLED TYPE-IV-FT + HS



Max CD:
73°V, 31°H

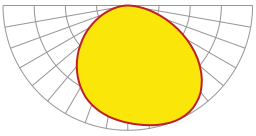
LCS % Luminaire Lumens:
FL=3.7%, FM=35.3%, FH=54.4%, FVH=2.1%
BL=0.9%, BM=1.9%, BH=1.6%, BVH=0.0%
UL=0.0%, UH=0.0%



ASYMMETRIC PLED-AL OPTICS

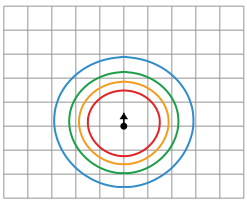
- Ambiance, Low-Glare lens Option.

PLED TYPE-ASY

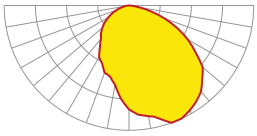


Max CD:
22.5°V, 45°H

LCS % Luminaire Lumens:
FL=14.0%, FM=30.4%, FH=11.2%, FVH=1.1%
BL=12.2%, BM=22.4%, BH=8.0%, BVH=0.8%
UL=0.0%, UH=0.0%

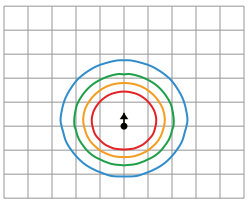


PLED TYPE-ASY + HS



Max CD:
20°V, 5°H

LCS % Luminaire Lumens:
FL=15.5%, FM=35.0%, FH=11.8%, FVH=0.7%
BL=10.9%, BM=19.4%, BH=6.2%, BVH=0.4%
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.

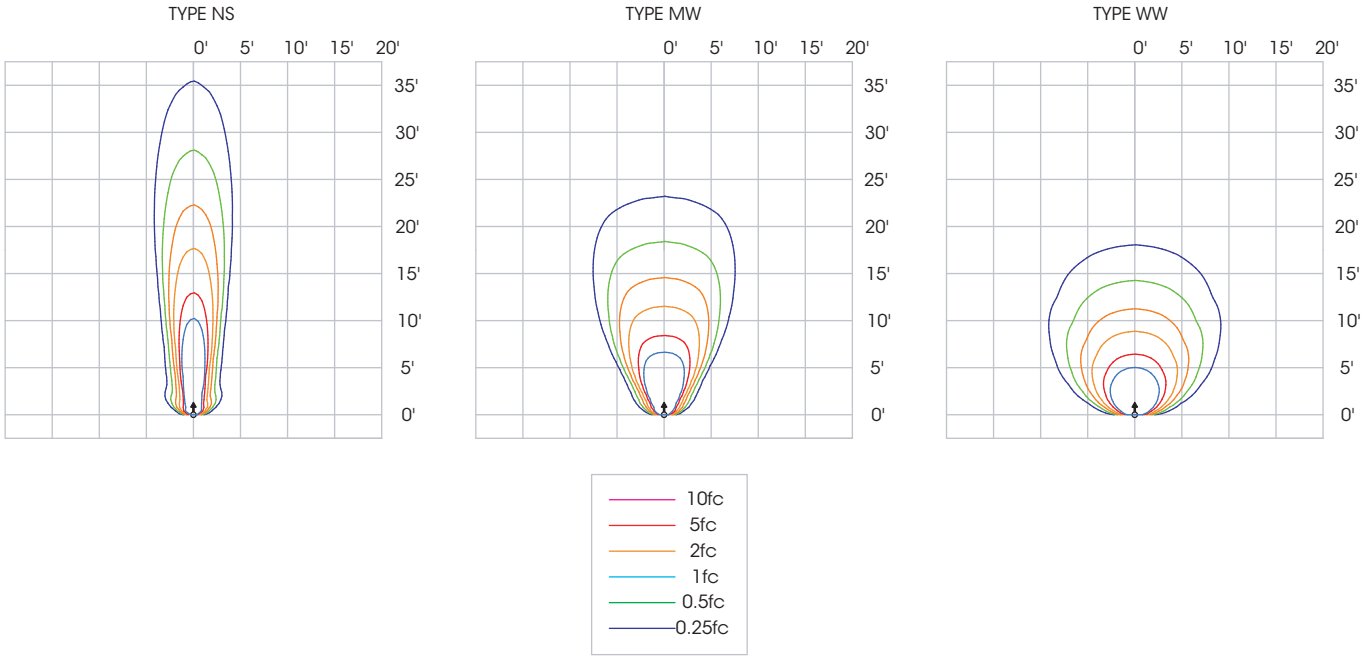
2.1 Residential DarkSky Luminaire criteria - All PLED Optics meet criteria with a maximum of 1,000 lumen output.
2.2 Commercial DarkSky Luminaire criteria - All PLED Optics meet criteria.
2.3 Pedestrian DarkSky Luminaire criteria - For all mounting heights 4ft and below, all PLED Optics meet criteria. For mounting heights above 4ft, all Narrow Throw PLED Optics and the PLED Medium Throw Type-II meet the criteria.
2.4 Wildlife DarkSky Luminaire criteria - All Narrow Throw PLED 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.

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.

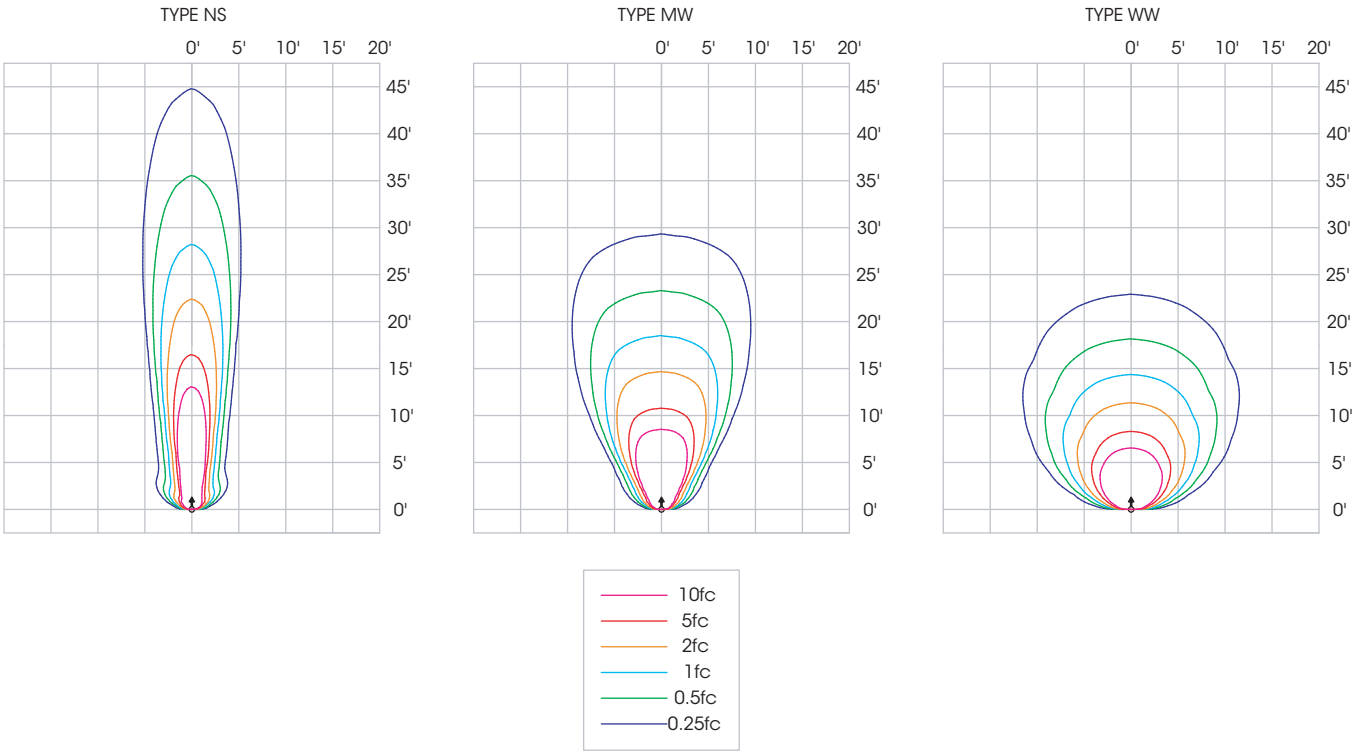
PHOTOMETRIC GUIDE - ALED OPTICS

ALED OPTICS

QBIX-C-AU-ALED-30W-10L-40K



QBIX-M-AU-ALED-60W-20L-40K



PHOTOMETRIC DATA GUIDE - LUMEN TABLES

QBX-C-PD

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
16	17	17	II	2667	157	B1-U0-G1	2889	170	B1-U0-G1	2963	174	B1-U0-G1	3037	179	B1-U0-G1	13.3	864	65	B0-U0-G0
			II-FR	2685	158	B1-U0-G1	2908	171	B1-U0-G1	2983	175	B1-U0-G1	3058	180	B1-U0-G1		870	65	B0-U0-G0
			III-M	2713	160	B1-U0-G1	2940	173	B1-U0-G1	3015	177	B1-U0-G1	3090	182	B1-U0-G1		879	66	B0-U0-G0
			III-W	2519	148	B1-U0-G1	2730	161	B1-U0-G1	2799	165	B1-U0-G1	2869	169	B1-U0-G1		816	61	B0-U0-G1
			IV	2693	158	B1-U0-G1	2918	172	B1-U0-G1	2992	176	B1-U0-G1	3067	180	B1-U0-G1		873	66	B0-U0-G0
			IV-CL	2696	159	B1-U0-G0	2921	172	B1-U0-G0	2996	176	B1-U0-G0	3070	181	B1-U0-G0		874	66	B0-U0-G0
			IV-FT	2453	144	B1-U0-G1	2658	156	B1-U0-G1	2726	160	B1-U0-G1	2794	164	B1-U0-G1		795	60	B0-U0-G1
			II-HS	1950	115	B0-U0-G1	2113	124	B0-U0-G1	2167	127	B0-U0-G1	2221	131	B0-U0-G1		632	48	B0-U0-G0
			II-FR-HS	1984	117	B0-U0-G0	2150	126	B0-U0-G0	2204	130	B0-U0-G0	2259	133	B0-U0-G0		643	48	B0-U0-G0
			III-M-HS	1973	116	B0-U0-G1	2138	126	B0-U0-G1	2193	129	B0-U0-G1	2247	132	B0-U0-G1		640	48	B0-U0-G0
			III-W-HS	1931	114	B0-U0-G1	2093	123	B0-U0-G1	2146	126	B0-U0-G1	2200	129	B0-U0-G1		626	47	B0-U0-G1
			IV-HS	2038	120	B0-U0-G1	2208	130	B0-U0-G1	2265	133	B0-U0-G1	2321	137	B0-U0-G1		661	50	B0-U0-G0
			IV-FT-HS	1926	113	B0-U0-G1	2087	123	B0-U0-G1	2140	126	B0-U0-G1	2194	129	B0-U0-G1		624	47	B0-U0-G1
			IV-CL-XHS	1788	105	B0-U0-G0	1937	114	B0-U0-G0	1987	117	B0-U0-G0	2036	120	B0-U0-G0		580	44	B0-U0-G0
16	26	25.8	II	3867	150	B1-U0-G1	4190	162	B1-U0-G1	4297	167	B1-U0-G1	4405	171	B1-U0-G1	20.1	1019	51	B0-U0-G0
			II-FR	3893	151	B1-U0-G1	4218	163	B1-U0-G1	4326	168	B1-U0-G1	4434	172	B1-U0-G1		1026	51	B0-U0-G0
			III-M	3935	153	B1-U0-G1	4263	165	B1-U0-G1	4372	169	B1-U0-G1	4481	174	B1-U0-G1		1037	52	B0-U0-G0
			III-W	3654	142	B1-U0-G1	3958	153	B1-U0-G1	4060	157	B1-U0-G1	4161	161	B1-U0-G1		963	48	B0-U0-G1
			IV	3905	151	B1-U0-G1	4231	164	B1-U0-G1	4340	168	B1-U0-G1	4448	172	B1-U0-G1		1029	51	B0-U0-G0
			IV-CL	3910	152	B1-U0-G0	4236	164	B1-U0-G0	4344	168	B1-U0-G0	4453	173	B1-U0-G1		1030	51	B0-U0-G0
			IV-FT	3557	138	B1-U0-G1	3854	149	B1-U0-G1	3953	153	B1-U0-G1	4052	157	B1-U0-G1		937	47	B0-U0-G1
			II-HS	2828	110	B0-U0-G1	3064	119	B0-U0-G1	3143	122	B0-U0-G1	3221	125	B0-U0-G1		745	37	B0-U0-G0
			II-FR-HS	2877	112	B0-U0-G0	3117	121	B0-U0-G0	3197	124	B0-U0-G0	3277	127	B0-U0-G1		758	38	B0-U0-G0
			III-M-HS	2861	111	B0-U0-G1	3100	120	B0-U0-G1	3180	123	B0-U0-G1	3259	126	B0-U0-G1		754	38	B0-U0-G0
			III-W-HS	2801	109	B0-U0-G1	3035	118	B0-U0-G1	3112	121	B0-U0-G1	3190	124	B0-U0-G1		738	37	B0-U0-G1
			IV-HS	2956	115	B0-U0-G1	3202	124	B0-U0-G1	3284	127	B0-U0-G1	3366	130	B0-U0-G1		778	39	B0-U0-G0
			IV-FT-HS	2793	108	B0-U0-G1	3026	117	B0-U0-G1	3104	120	B0-U0-G1	3181	123	B0-U0-G1		736	37	B0-U0-G1
			IV-CL-XHS	2593	101	B0-U0-G0	2809	109	B0-U0-G0	2881	112	B0-U0-G0	2953	114	B0-U0-G0		683	34	B0-U0-G0
16	35	34.5	II	4957	144	B1-U0-G1	5370	156	B1-U0-G1	5508	160	B1-U0-G1	5645	164	B1-U0-G1	N/A	N/A		
			II-FR	4990	145	B1-U0-G1	5406	157	B1-U0-G1	5545	161	B1-U0-G1	5683	165	B2-U0-G1				
			III-M	5043	146	B1-U0-G1	5464	158	B1-U0-G1	5604	162	B1-U0-G1	5744	166	B1-U0-G2				
			III-W	4683	136	B1-U0-G2	5074	147	B1-U0-G2	5204	151	B1-U0-G2	5334	155	B1-U0-G2				
			IV	5006	145	B1-U0-G1	5423	157	B1-U0-G1	5562	161	B1-U0-G1	5701	165	B1-U0-G1				
			IV-CL	5011	145	B1-U0-G1	5429	157	B1-U0-G1	5568	161	B1-U0-G1	5708	165	B1-U0-G1				
			IV-FT	4560	132	B1-U0-G2	4940	143	B1-U0-G2	5067	147	B1-U0-G2	5193	151	B1-U0-G2				
			II-HS	3625	105	B0-U0-G1	3928	114	B0-U0-G1	4028	117	B0-U0-G1	4129	120	B0-U0-G1				
			II-FR-HS	3688	107	B0-U0-G1	3996	116	B0-U0-G1	4098	119	B0-U0-G1	4200	122	B0-U0-G1				
			III-M-HS	3668	106	B0-U0-G1	3974	115	B0-U0-G1	4075	118	B0-U0-G1	4177	121	B0-U0-G2				
			III-W-HS	3590	104	B0-U0-G2	3890	113	B0-U0-G2	3989	116	B0-U0-G2	4088	118	B0-U0-G2				
			IV-HS	3788	110	B0-U0-G1	4104	119	B0-U0-G1	4209	122	B0-U0-G1	4314	125	B0-U0-G1				
			IV-FT-HS	3580	104	B0-U0-G2	3879	112	B0-U0-G2	3978	115	B0-U0-G2	4077	118	B0-U0-G2				
			IV-CL-XHS	3323	96	B0-U0-G1	3601	104	B0-U0-G1	3693	107	B0-U0-G1	3785	110	B0-U0-G1				
16	44	43.3	II	5946	137	B2-U0-G1	6441	149	B2-U0-G2	6607	153	B2-U0-G2	6772	156	B2-U0-G2	N/A	N/A		
			II-FR	5986	138	B2-U0-G1	6485	150	B2-U0-G1	6651	154	B2-U0-G1	6817	157	B2-U0-G1				
			III-M	6050	140	B1-U0-G2	6554	151	B2-U0-G2	6722	155	B2-U0-G2	6890	159	B2-U0-G2				
			III-W	5617	130	B1-U0-G2	6085	141	B1-U0-G2	6241	144	B1-U0-G2	6397	148	B1-U0-G2				
			IV	6004	139	B1-U0-G2	6505	150	B2-U0-G2	6672	154	B2-U0-G2	6838	158	B2-U0-G2				
			IV-CL	6011	139	B1-U0-G1	6512	150	B1-U0-G1	6679	154	B1-U0-G1	6846	158	B2-U0-G1				
			IV-FT	5469	126	B1-U0-G2	5925	137	B1-U0-G2	6077	140	B1-U0-G2	6229	144	B1-U0-G2				
			II-HS	4348	100	B0-U0-G1	4711	109	B1-U0-G2	4832	112	B1-U0-G2	4952	114	B1-U0-G2				
			II-FR-HS	4423	102	B0-U0-G1	4792	111	B0-U0-G1	4915	114	B0-U0-G1	5038	116	B0-U0-G1				
			III-M-HS	4399	102	B0-U0-G2	4767	110	B0-U0-G2	4888	113	B0-U0-G2	5010	116	B0-U0-G2				
			III-W-HS	4306	99	B0-U0-G2	4665	108	B0-U0-G2	4785	111	B0-U0-G2	4904	113	B0-U0-G2				
			IV-HS	4544	105	B0-U0-G1	4923	114	B0-U0-G2	5049	117	B0-U0-G2	5175	120	B0-U0-G2				
			IV-FT-HS	4294	99	B0-U0-G2	4652	107	B0-U0-G2	4772	110	B0-U0-G2	4891	113	B0-U0-G2				
			IV-CL-XHS	3986	92	B0-U0-G1	4319	100	B0-U0-G1	4429	102	B0-U0-G1	4540	105	B0-U0-G1				

QBX-C-PD-AL

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
16	17	17	ASY	2040	120	B1-U0-G1	2211	130	B1-U0-G1	2267	133	B1-U0-G1	2324	137	B1-U0-G1	13.3	661	50	B0-U0-G0
			ASY-HS	1460	86	B1-U0-G0	1582	93	B1-U0-G1	1622	95	B1-U0-G1	1663	98	B1-U0-G1		473	36	B0-U0-G0
16	26	25.8	ASY	2928	113	B1-U0-G1	3172	123	B1-U0-G1	3254	126	B1-U0-G1	3335	129	B1-U0-G1	20.1	771	38	B0-U0-G0
			ASY-HS	2095	81	B1-U0-G1	2270	88	B1-U0-G1	2328	90	B1-U0-G1	2386	92	B1-U0-G1		552	27	B0-U0-G0
16	35	34.5	ASY	3730	108	B1-U0-G1	4041	117	B1-U0-G1	4144	120	B2-U0-G1	4248	123	B2-U0-G1	N/A	N/A		
			ASY-HS	2669	77	B1-U0-G1	2892	84	B1-U0-G1	2966	86	B1-U0-G1	3040	88	B1-U0-G1				
16	44	43.3	ASY	4395	102	B2-U0-G1	4761	110	B2-U0-G1	4883	113	B2-U0-G1	5005	116	B2-U0-G1	N/A	N/A		
			ASY-HS	3145	73	B1-U0-G1	3407	79	B1-U0-G1	3494	81	B1-U0-G1	3581	83	B1-U0-G1				

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QBX-M-PD

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
32	34	34	II	5334	157	B1-U0-G1	5779	170	B2-U0-G1	5927	174	B2-U0-G1	6075	179	B2-U0-G1	26.5	1729	65	B1-U0-G1
			II-FR	5370	158	B1-U0-G1	5817	171	B2-U0-G1	5966	175	B2-U0-G1	6115	180	B2-U0-G1		1740	66	B1-U0-G0
			III-M	5427	160	B1-U0-G1	5879	173	B1-U0-G2	6030	177	B1-U0-G2	6180	182	B1-U0-G2		1759	66	B1-U0-G1
			III-W	5039	148	B1-U0-G2	5459	161	B1-U0-G2	5599	165	B1-U0-G2	5738	169	B1-U0-G2		1633	62	B0-U0-G1
			IV	5386	158	B1-U0-G1	5836	172	B1-U0-G2	5985	176	B1-U0-G2	6134	180	B2-U0-G2		1746	66	B1-U0-G1
			IV-CL	5392	159	B1-U0-G1	5842	172	B1-U0-G1	5992	176	B1-U0-G1	6141	181	B1-U0-G1		1748	66	B1-U0-G0
			IV-FT	4906	144	B1-U0-G2	5316	156	B1-U0-G2	5452	160	B1-U0-G2	5588	164	B1-U0-G2		1591	60	B0-U0-G1
			II-HS	3901	115	B0-U0-G1	4226	124	B0-U0-G1	4334	127	B0-U0-G1	4442	131	B0-U0-G1		1265	48	B0-U0-G0
			II-FR-HS	3968	117	B0-U0-G1	4299	126	B0-U0-G1	4409	130	B0-U0-G1	4519	133	B0-U0-G1		1286	49	B0-U0-G0
			III-M-HS	3947	116	B0-U0-G1	4276	126	B0-U0-G2	4385	129	B0-U0-G2	4494	132	B0-U0-G2		1279	48	B0-U0-G0
			III-W-HS	3863	114	B0-U0-G2	4185	123	B0-U0-G2	4292	126	B0-U0-G2	4399	129	B0-U0-G2		1252	47	B0-U0-G1
			IV-HS	4077	120	B0-U0-G1	4417	130	B0-U0-G1	4529	133	B0-U0-G1	4642	137	B0-U0-G2		1322	50	B0-U0-G0
			IV-FT-HS	3853	113	B0-U0-G2	4174	123	B0-U0-G2	4280	126	B0-U0-G2	4387	129	B0-U0-G2		1249	47	B0-U0-G1
			IV-CL-XHS	3576	105	B0-U0-G1	3874	114	B0-U0-G1	3973	117	B0-U0-G1	4072	120	B0-U0-G1		1159	44	B0-U0-G0
32	52	51.6	II	7735	150	B2-U0-G2	8380	162	B2-U0-G2	8595	167	B2-U0-G2	8809	171	B2-U0-G2	40.2	2038	51	B1-U0-G1
			II-FR	7787	151	B2-U0-G1	8436	163	B2-U0-G1	8652	168	B2-U0-G1	8868	172	B2-U0-G1		2051	51	B1-U0-G0
			III-M	7870	153	B2-U0-G2	8526	165	B2-U0-G2	8744	169	B2-U0-G2	8963	174	B2-U0-G2		2073	52	B1-U0-G1
			III-W	7308	142	B1-U0-G2	7917	153	B2-U0-G2	8120	157	B2-U0-G2	8323	161	B2-U0-G2		1925	48	B1-U0-G1
			IV	7812	151	B2-U0-G2	8463	164	B2-U0-G2	8680	168	B2-U0-G2	8896	172	B2-U0-G2		2058	51	B1-U0-G1
			IV-CL	7820	152	B2-U0-G1	8472	164	B2-U0-G1	8689	168	B2-U0-G1	8906	173	B2-U0-G1		2060	51	B1-U0-G0
			IV-FT	7115	138	B1-U0-G2	7708	149	B2-U0-G2	7906	153	B2-U0-G2	8103	157	B2-U0-G2		1875	47	B1-U0-G1
			II-HS	5657	110	B1-U0-G2	6129	119	B1-U0-G2	6286	122	B1-U0-G2	6442	125	B1-U0-G2		1490	37	B0-U0-G0
			II-FR-HS	5754	112	B1-U0-G1	6234	121	B1-U0-G1	6394	124	B1-U0-G1	6553	127	B1-U0-G1		1516	38	B0-U0-G0
			III-M-HS	5723	111	B0-U0-G2	6201	120	B0-U0-G2	6359	123	B0-U0-G2	6518	126	B0-U0-G2		1508	38	B0-U0-G0
			III-W-HS	5602	109	B0-U0-G2	6069	118	B0-U0-G2	6225	121	B0-U0-G2	6380	124	B0-U0-G2		1476	37	B0-U0-G1
			IV-HS	5911	115	B0-U0-G2	6404	124	B0-U0-G2	6568	127	B0-U0-G2	6732	130	B0-U0-G2		1557	39	B0-U0-G0
			IV-FT-HS	5587	108	B0-U0-G2	6053	117	B0-U0-G2	6207	120	B0-U0-G2	6362	123	B0-U0-G2		1472	37	B0-U0-G1
			IV-CL-XHS	5186	101	B0-U0-G1	5618	109	B0-U0-G1	5762	112	B0-U0-G1	5906	114	B0-U0-G1		1366	34	B0-U0-G0
32	70	69	II	9914	144	B2-U0-G2	10741	156	B2-U0-G2	11016	160	B2-U0-G2	11291	164	B2-U0-G2	N/A	N/A		
			II-FR	9981	145	B2-U0-G1	10813	157	B2-U0-G1	11090	161	B2-U0-G1	11367	165	B3-U0-G1				
			III-M	10087	146	B2-U0-G2	10928	158	B2-U0-G2	11208	162	B2-U0-G2	11488	166	B2-U0-G2				
			III-W	9366	136	B2-U0-G2	10147	147	B2-U0-G2	10407	151	B2-U0-G2	10667	155	B2-U0-G2				
			IV	10012	145	B2-U0-G2	10846	157	B2-U0-G2	11124	161	B2-U0-G2	11402	165	B2-U0-G2				
			IV-CL	10023	145	B2-U0-G1	10859	157	B2-U0-G1	11137	161	B2-U0-G1	11415	165	B2-U0-G1				
			IV-FT	9120	132	B2-U0-G2	9880	143	B2-U0-G2	10133	147	B2-U0-G2	10386	151	B2-U0-G2				
			II-HS	7251	105	B1-U0-G2	7855	114	B1-U0-G2	8056	117	B1-U0-G2	8257	120	B1-U0-G2				
			II-FR-HS	7376	107	B1-U0-G1	7991	116	B1-U0-G1	8195	119	B1-U0-G1	8400	122	B1-U0-G1				
			III-M-HS	7336	106	B0-U0-G2	7948	115	B1-U0-G2	8151	118	B1-U0-G2	8354	121	B1-U0-G2				
			III-W-HS	7180	104	B0-U0-G2	7779	113	B0-U0-G2	7978	116	B1-U0-G2	8177	119	B1-U0-G2				
			IV-HS	7577	110	B1-U0-G2	8209	119	B1-U0-G2	8419	122	B1-U0-G2	8629	125	B1-U0-G2				
			IV-FT-HS	7161	104	B1-U0-G2	7758	112	B1-U0-G2	7956	115	B1-U0-G2	8155	118	B1-U0-G2				
			IV-CL-XHS	6647	96	B0-U0-G1	7201	104	B0-U0-G1	7386	107	B0-U0-G1	7570	110	B0-U0-G1				
32	88	86.6	II	11892	137	B2-U0-G2	12883	149	B2-U0-G2	13213	153	B2-U0-G2	13543	156	B2-U0-G2	N/A	N/A		
			II-FR	11972	138	B3-U0-G1	12970	150	B3-U0-G1	13302	154	B3-U0-G1	13634	157	B3-U0-G1				
			III-M	12100	140	B2-U0-G2	13109	151	B2-U0-G2	13444	155	B2-U0-G2	13780	159	B2-U0-G2				
			III-W	11234	130	B2-U0-G2	12171	141	B2-U0-G2	12483	144	B2-U0-G3	12795	148	B2-U0-G3				
			IV	12009	139	B2-U0-G2	13010	150	B2-U0-G2	13343	154	B2-U0-G2	13677	158	B2-U0-G2				
			IV-CL	12022	139	B2-U0-G2	13024	150	B2-U0-G2	13358	154	B2-U0-G2	13692	158	B3-U0-G2				
			IV-FT	10939	126	B2-U0-G2	11851	137	B2-U0-G2	12154	140	B2-U0-G2	12458	144	B2-U0-G3				
			II-HS	8697	100	B1-U0-G2	9422	109	B1-U0-G2	9663	112	B1-U0-G2	9905	114	B1-U0-G2				
			II-FR-HS	8847	102	B1-U0-G1	9584	111	B1-U0-G1	9830	114	B1-U0-G1	10075	116	B1-U0-G1				
			III-M-HS	8799	102	B1-U0-G2	9533	110	B1-U0-G2	9777	113	B1-U0-G2	10021	116	B1-U0-G2				
			III-W-HS	8613	99	B1-U0-G2	9331	108	B1-U0-G2	9570	111	B1-U0-G2	9809	113	B1-U0-G3				
			IV-HS	9088	105	B1-U0-G2	9846	114	B1-U0-G2	10098	117	B1-U0-G2	10350	120	B1-U0-G2				
			IV-FT-HS	8589	99	B1-U0-G2	9305	107	B1-U0-G3	9543	110	B1-U0-G3	9781	113	B1-U0-G3				
			IV-CL-XHS	7973	92	B0-U0-G1	8638	100	B0-U0-G2	8859	102	B0-U0-G2	9080	105	B0-U0-G2				

QBX-M-PD-AL

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
32	34	34	ASY	4081	120	B1-U0-G1	4422	130	B2-U0-G1	4535	133	B2-U0-G1	4648	137	B2-U0-G1	26.5	1323	50	B1-U0-G1
			ASY-HS	2920	86	B1-U0-G1	3164	93	B1-U0-G1	3245	95	B1-U0-G1	3326	98	B1-U0-G1		947	36	B0-U0-G0
32	52	51.6	ASY	5857	114	B2-U0-G1	6345	123	B2-U0-G2	6507	126	B2-U0-G2	6670	129	B2-U0-G2	40.2	1543	38	B1-U0-G1
			ASY-HS	4190	81	B1-U0-G1	4540	88	B1-U0-G1	4656	90	B2-U0-G1	4772	92	B2-U0-G1		1104	27	B1-U0-G0
32	70	69	ASY	7460	108	B2-U0-G2	8082	117	B2-U0-G2	8289	120	B3-U0-G2	8496	123	B3-U0-G2	N/A	N/A		
			ASY-HS	5338	77	B2-U0-G1	5783	84	B2-U0-G1	5931	86	B2-U0-G1	6079	88	B2-U0-G1				
32	88	86.6	ASY	8790	102	B3-U0-G2	9523	110	B3-U0-G2	9767	113	B3-U0-G2	10011	116	B3-U0-G2	N/A	N/A		
			ASY-HS	6289	73	B2-U0-G1	6814	79	B2-U0-G1	6988	81	B2-U0-G1	7163	83	B2-U0-G1				

PHOTOMETRIC DATA GUIDE - LUMEN TABLES

QBX-C-AU

No. LED	mA	Watts	Dist'n	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			Watts	TRA (590nm)		
				Lumens	LPW	BEAM ANGLE	Lumens	LPW	BEAM ANGLE	Lumens	LPW	BEAM ANGLE	Lumens	LPW	BEAM ANGLE		Lumens	LPW	BEAM ANGLE
10	12	12.2	NS	1494	122	15.2 x 14.7	1619	133	15.2 x 14.7	1660	136	15.2 x 14.7	1701	139	15.2 x 14.7	9.5	484	51	15.2 x 14.7
			MW	1419	116	47.4 x 16.1	1538	126	47.4 x 16.1	1577	129	47.4 x 16.1	1616	132	47.4 x 16.1		460	48	47.5 x 16.1
			WW	1238	101	75.2 x 17.0	1342	110	75.2 x 17.0	1376	113	75.2 x 17.0	1410	116	75.2 x 17.0		401	42	75.2 x 17.0
10	18	18.2	NS	2101	115	15.3 x 14.8	2277	125	15.3 x 14.8	2335	128	15.3 x 14.8	2393	131	15.3 x 14.8	14.2	553	39	15.3 x 14.8
			MW	1996	110	47.4 x 16.1	2163	119	47.4 x 16.1	2218	122	47.4 x 16.1	2273	125	47.4 x 16.1		526	37	47.4 x 16.1
			WW	1777	98	75.3 x 17.0	1926	106	75.3 x 17.0	1975	109	75.3 x 17.0	2024	111	75.2 x 17.0		468	33	75.2 x 17.0
10	24	24	NS	2663	111	14.8 x 14.4	2885	120	14.8 x 14.4	2959	123	14.8 x 14.4	3033	126	14.8 x 14.4	N/A	N/A		
			MW	2531	105	47.4 x 16.1	2742	114	47.4 x 16.1	2812	117	47.4 x 16.1	2882	120	47.4 x 16.1				
			WW	2249	94	75.3 x 17.0	2437	102	75.3 x 17.0	2500	104	75.3 x 17.0	2563	107	75.3 x 17.0				
10	30	30.1	NS	3179	106	15.2 x 14.7	3444	114	15.2 x 14.7	3532	117	15.2 x 14.7	3620	120	15.2 x 14.7	N/A	N/A		
			MW	3020	100	47.4 x 16.1	3272	109	47.4 x 16.1	3355	111	47.4 x 16.1	3439	114	47.4 x 16.1				
			WW	2696	90	75.2 x 17.0	2922	97	75.2 x 17.0	2997	100	75.2 x 17.0	3071	102	75.2 x 17.0				

QBX-C-AD

No. LED	mA	Watts	Dist'n	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			Watts	TRA (590nm)		
				Lumens	LPW	BEAM ANGLE	Lumens	LPW	BEAM ANGLE	Lumens	LPW	BEAM ANGLE	Lumens	LPW	BEAM ANGLE		Lumens	LPW	BEAM ANGLE
16	17	17	NS	2064	121	15.2 x 14.7	2237	132	15.2 x 14.7	2294	135	15.2 x 14.7	2351	138	15.2 x 14.7	13.3	669	50	15.2 x 14.7
			MW	1961	115	47.4 x 16.1	2125	125	47.4 x 16.1	2179	128	47.4 x 16.1	2233	131	47.4 x 16.1		635	48	47.4 x 16.1
			WW	1711	101	75.2 x 17.0	1854	109	75.2 x 17.0	1902	112	75.2 x 17.0	1949	115	75.2 x 17.0		555	42	75.2 x 17.0
16	26	25.8	NS	2976	115	15.3 x 14.8	3224	125	15.3 x 14.8	3306	128	15.3 x 14.8	3389	131	15.3 x 14.8	20.1	784	39	15.3 x 14.8
			MW	2827	110	47.4 x 16.1	3063	119	47.4 x 16.1	3141	122	47.4 x 16.1	3219	125	47.4 x 16.1		745	37	47.4 x 16.1
			WW	2517	98	75.3 x 17.0	2727	106	75.3 x 17.0	2797	108	75.3 x 17.0	2867	111	75.3 x 17.0		663	33	75.3 x 17.0
16	35	34.5	NS	3828	111	14.8 x 14.4	4147	120	14.8 x 14.4	4253	123	14.8 x 14.4	4359	126	14.8 x 14.4	N/A	N/A		
			MW	3638	105	47.4 x 16.1	3941	114	47.4 x 16.1	4042	117	47.4 x 16.1	4143	120	47.4 x 16.1				
			WW	3234	94	75.3 x 17.0	3504	102	75.3 x 17.0	3594	104	75.3 x 17.0	3684	107	75.2 x 17.0				
16	44	43.3	NS	4571	106	15.2 x 14.7	4952	114	15.2 x 14.7	5079	117	15.2 x 14.7	5205	120	15.2 x 14.7	N/A	N/A		
			MW	4342	100	47.4 x 16.1	4704	109	47.4 x 16.1	4825	111	47.4 x 16.1	4945	114	47.4 x 16.1				
			WW	3877	90	75.2 x 17.0	4201	97	75.2 x 17.0	4309	100	75.2 x 17.0	4416	102	75.2 x 17.0				

QBX-M-AU

No. LED	mA	Watts	Dist'n	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			Watts	TRA (590nm)		
				Lumens	LPW	BEAM ANGLE	Lumens	LPW	BEAM ANGLE	Lumens	LPW	BEAM ANGLE	Lumens	LPW	BEAM ANGLE		Lumens	LPW	BEAM ANGLE
20	24	24.6	NS	2987	121	15.2 x 14.7	3237	132	15.2 x 14.7	3319	135	15.2 x 14.7	3402	138	15.2 x 14.7	19.2	968	50	15.2 x 14.7
			MW	2838	115	47.4 x 16.1	3075	125	47.4 x 16.1	3153	128	47.4 x 16.1	3232	131	47.4 x 16.1		920	48	47.4 x 16.1
			WW	2477	101	75.2 x 17.0	2683	109	75.2 x 17.0	2752	112	75.2 x 17.0	2821	115	75.2 x 17.0		803	42	75.2 x 17.0
20	36	36.4	NS	4202	115	15.3 x 14.8	4553	125	15.3 x 14.8	4669	128	15.3 x 14.8	4786	131	15.3 x 14.8	28.4	1107	39	15.3 x 14.8
			MW	3993	110	47.4 x 16.1	4325	119	47.4 x 16.1	4436	122	47.4 x 16.1	4547	125	47.4 x 16.1		1052	37	47.4 x 16.1
			WW	3554	98	75.3 x 17.0	3851	106	75.3 x 17.0	3949	108	75.3 x 17.0	4048	111	75.3 x 17.0		937	33	75.3 x 17.0
20	48	48	NS	5326	111	14.8 x 14.4	5770	120	14.8 x 14.4	5918	123	14.8 x 14.4	6065	126	14.8 x 14.4	N/A	N/A		
			MW	5062	105	47.4 x 16.1	5484	114	47.4 x 16.1	5625	117	47.4 x 16.1	5765	120	47.4 x 16.1				
			WW	4499	94	75.2 x 17.0	4875	102	75.3 x 17.0	4999	104	75.2 x 17.0	5123	107	75.2 x 17.0				
20	60	60.2	NS	6358	106	15.2 x 14.7	6888	114	15.2 x 14.7	7064	117	15.2 x 14.7	7240	120	15.2 x 14.7	N/A	N/A		
			MW	6040	100	47.4 x 16.1	6543	109	47.4 x 16.1	6711	111	47.4 x 16.1	6878	114	47.4 x 16.1				
			WW	5395	90	75.2 x 17.0	5845	97	75.2 x 17.0	5994	100	75.2 x 17.0	6144	102	75.2 x 17.0				

QBX-M-AD

No. LED	mA	Watts	Dist'n	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			Watts	TRA (590nm)		
				Lumens	LPW	BEAM ANGLE	Lumens	LPW	BEAM ANGLE	Lumens	LPW	BEAM ANGLE	Lumens	LPW	BEAM ANGLE		Lumens	LPW	BEAM ANGLE
32	34	34	NS	4129	121	15.2 x 14.7	4473	132	15.2 x 14.7	4588	135	15.2 x 14.7	4702	138	15.2 x 14.7	26.5	1338	50	15.2 x 14.7
			MW	3922	115	47.4 x 16.1	4249	125	47.4 x 16.1	4358	128	47.4 x 16.1	4467	131	47.4 x 16.1		1271	48	47.4 x 16.1
			WW	3423	101	75.2 x 17.0	3708	109	75.2 x 17.0	3803	112	75.2 x 17.0	3899	115	75.2 x 17.0		1110	42	75.2 x 17.0
32	52	51.6	NS	5952	115	15.3 x 14.8	6448	125	15.3 x 14.8	6613	128	15.3 x 14.8	6778	131	15.3 x 14.8	40.2	1568	39	15.3 x 14.8
			MW	5654	110	47.4 x 16.1	6126	119	47.4 x 16.1	6282	122	47.4 x 16.1	6439	125	47.4 x 16.1		1490	37	47.4 x 16.1
			WW	5034	98	75.3 x 17.0	5453	106	75.3 x 17.0	5593	108	75.3 x 17.0	5733	111	75.2 x 17.0		1326	33	75.3 x 17.0
32	70	69	NS	7656	111	14.8 x 14.4	8295	120	14.8 x 14.4	8507	123	14.8 x 14.4	8720	126	14.8 x 14.4	N/A	N/A		
			MW	7277	105	47.4 x 16.1	7884	114	47.4 x 16.1	8086	117	47.4 x 16.1	8287	120	47.4 x 16.1				
			WW	6467	94	75.2 x 17.0	7007	102	75.2 x 17.0	7186	104	75.2 x 17.0	7366	107	75.2 x 17.0				
32	88	86.6	NS	9142	106	15.2 x 14.7	9904	114	15.2 x 14.7	10157	117	15.2 x 14.7	10411	120	15.2 x 14.7	N/A	N/A		
			MW	8684	100	47.4 x 16.1	9408	109	47.4 x 16.1	9649	111	47.4 x 16.1	9890	114	47.4 x 16.1				
			WW	7757	90	75.2 x 17.0	8403	97	75.2 x 17.0	8619	100	75.2 x 17.0	8835	102	75.2 x 17.0				