

Catalog Number	
Notes	Type

Vantage® LED

LED High Bay



Description

The Vantage LED luminaire exceeds rigorous demands of food-processing plants and related areas, thanks to its strategic sloped shape and ultra-sleek corrosion-resistant finish that repels water and lacks spaces for food, dirt or debris to hide.

Optics

- Prismatic acrylic or polycarbonate optic directs light where needed and reduces harsh glare.
- Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate. [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)
- Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location. [Click here for a list of substances that may not be suitable for interaction with LEDs and other electronic components.](#)
- Medium distribution with optional uplight reflector.
- Wide distribution with optional uplight reflector.
- Highly engineered LED system ensures superior uniformity and maximizes spacing.

Electrical

- 0–10V dimming driver is standard. Dims to 10%.
- XVOLT is an optional robust driver solution designed to assist with power quality issues and a dropped neutral in 277V input as derived from 480V Wye. Supports 277–480V; 6kV surge rated.
- 70 CRI, 80 CRI, 90 CRI available
- 3000K, 4000K or 5000K CCT available.
- Fault-tolerant LED light engine continues to provide light even in the failure of one LED.
- Aluminum core printed circuit board.
- Standard Surge Protection Level: Designed to withstand up to 10kV/5kA per ANSI C82.77-5-2015.
- Optional Surge Protection Level: Designed to withstand up to 20 kV/10kA per ANSI C82.77-5-2015 when ordered with the SPD20K or SPD20KH options.

Mechanical

- Robust cast aluminum housing with low copper content (0.6% CU content) withstands harsh or hostile environments.
- Pendant mount standard.
- Corded options available. Cord will be side mounted and a solid PF-646 hook will be included.
- Standard fixture color is white.
- Super durable TGIC thermoset powder coat finish provides 1500 hours salt fog rating per ASTM B117.

Listings

- UL Listed to US and Canadian Standards.
- Suitable for use in wet locations.
- Suitable for use in Class II, Division 2, Groups F and G hazardous applications (UL844) with HAZ option.
- Zone Equivalency Markings with HAZ option. [\(see chart on page 9\)](#)
- -40°F (-40°C) to 131°F (55°C) ambient temperature rating. [\(see chart on page 8\)](#)
- IP65, IP66, IP67 rated. IP69K rated (1500psi hosedown).
- NSF Splash Zone 2 and Non-Food Zone rated.
- IK rated [\(see chart on page 9\)](#).
- 1G vibration rated.
- Patent No. 10,571,096.
- DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Warranty

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Dimensions: Inches (millimeters) unless otherwise noted.

Diameter: 20.65 (524.51)
 Height: 16.67 (423.42)
 Weight: 36 lbs. (16.3 kg)

Typical Applications

- Food & beverage processing
- Poultry & meat processing
- Beverage processing
- Chemical facilities
- Pharmaceutical plants
- Pet-food production

Embed nLight controls today. Prepare for tomorrow.

Now	Tomorrow
User-friendly install	Scalability
Enhanced energy savings	Space configuration
Code compliance	Future-ready

ORDERING INFORMATION

Example: VL 18000LM ACL MD MVOLT GZ10 40K 80CRI

Series	Lumens	Lens	Distribution	Voltage	Driver	Color temperature	CRI
VL	12000LM 12,000 lumens	ACL Acrylic Lens	MD Medium	MVOLT Auto Sensing (120-277V, 50/60Hz)	GZ10 0-10V dimming	30K 3000K CCT	70CRI 70 CRI
	15000LM 15,000 lumens	PCL Polycarbonate Lens	MDU Medium with upright reflector	120 120V, 50/60Hz		40K 4000K CCT	80CRI 80 CRI
	18000LM 18,000 lumens		WD Wide	208 208V, 50/60Hz		50K 5000K CCT	90CRI 90 CRI
	24000LM 24,000 lumens		WDU Wide with upright reflector	240 240V, 50/60Hz			
	28000LM 28,000 lumens			277 277V, 50/60Hz			
	32000LM 32,000 lumens			HVOLT Auto Sensing (347-480V, 50/60Hz)			
				347 347V, 50/60Hz			
				480 480V, 50/60Hz			
				XVOLT Enhanced Power Protection (277-480V, 50/60Hz)			
				277X 277V XVOLT driver, 50/60Hz			
			347X 347V XVOLT Driver, 50/60Hz				
			480X 480V XVOLT Driver, 50/60Hz				

Mounting		Options	
(blank)	Pendant mount †	(blank)	Less cordset
HK646	Wet location solid hook, 3/4" male (PF646), zinc plated iron †	CNP16W	Side entry cord, no plug, 16 gauge, 3 conductors, white, wet location, 6ft, other lengths available †
HK646SS	Wet location solid hook, 3/4" male (PF646SS), 316 stainless steel †	CNP16Y	Side entry cord, no plug, 16 gauge, 3 conductors, yellow, wet location, 6ft, other lengths available †
		CNP16YAM	Side entry cord, no plug, 16 gauge, 3 conductors, yellow, anti-microbial, wet location, 6ft, other lengths available †
		CNP164CW	Side entry cord, no plug, 16 gauge, 4 conductors for use with EM battery, white, wet location, 6ft, other lengths available †
		CNP165CW	Side entry cord, no plug, 16 gauge, 5 conductors, for use with ER controls or ETS device, white, wet location, 6ft, other lengths available †
		CNP165CDW	Side entry cord, no plug, 16 gauge, 5 conductors, includes 0-10V dimming leads, white, wet location, 6ft, other lengths available †
		CPTL16WWL	Side entry cord, NEMA 15 amp twist lock plug, 16 gauge, 3 conductors, white, wet location, 6ft, other lengths available †
		CPTL20A16WWL	Side entry cord, NEMA 20 amp twist lock plug, 16 gauge, 3 conductors, white, wet location, 6ft, other lengths available †
		CPTL16YAMWL	Side entry cord, NEMA 15 amp twist lock plug, 16 gauge, 3 conductors, yellow, anti-microbial, wet location, 6ft, other lengths available †
See chart for additional cordset options			
<p>Sensor Switch Embedded Sensors:</p> <p>SBGR6 D 360° High Mount sensor, (15-30' mounting heights), high/low occupancy dimming †</p> <p>SBG10 OCC BTP 360° High Mount Sensor, (15-45' mounting heights), on/off occupancy, utilizes smart hub for Bluetooth® programmability †</p> <p>See chart for additional control options</p> <p>nLight Embedded Sensors:</p> <p>NLTAIR2 RIO Embedded wireless controls by nLight †</p> <p>NLTAIR2 RSBG40 Embedded wireless controls by nLight, Passive Infrared Occ sensor with auto-dimming photocell †</p> <p>See chart for additional control options</p> <p>Emergency:</p> <p>ETS Emergency lighting control device for UL924 operation when using auxiliary generator or central inverter †</p> <p>FE10WCP 10W Emergency battery pack, constant power, title 20 compliant, UL924 compliant, wet location test switch, (10°C), internally mounted (120-277V) †</p>			
<p>Surge Protection:</p> <p>(blank) Standard 10kV/5kA surge protection based on voltage selected (120-480V)</p> <p>SPD20K 20kV/10kA surge protection for 120-277V †</p> <p>SPD20KH 20kV/10kA surge protection for 347-480V †</p> <p>Other Options:</p> <p>DIM 0-10V dimming leads routed through pendant opening †</p> <p>HAZ CII, D2 Hazardous location rated †</p> <p>NSG EPDM Non-silicone gasket</p> <p>SCK24 Zinc plated steel safety chain factory installed, 24in or 2ft long, other lengths available †</p> <p>SCSS36 18-8 Stainless steel safety chain factory installed, 36in or 3ft long, other lengths available †</p> <p>TR Remote housing †</p>			

Accessories: Order as separate catalog number.	
HCRTL16WWL3FTL515R	Cord with Receptacle, Twist Lock, Daniel Woodhead, 16 Gauge, White, Wet Location, 3ft, NEMA L5-15R, for use with 120V, CPTL16WL or CPTL16WWL cordsets †
HCRTL16WWL3FTL615R	Cord with Receptacle, Twist Lock, Daniel Woodhead, 16 Gauge, White, Wet Location, 3ft, NEMA L6-15R, for use with 208 or 240V, CPTL16WL or CPTL16WWL cordsets †
HCRTL16WWL3FTL715R	Cord with Receptacle, Twist Lock, Daniel Woodhead, 16 Gauge, White, Wet Location, 3ft, NEMA L7-15R, for use with 277V, CPTL16WL or CPTL16WWL cordsets †

For Option Value Ordering Restrictions, see page 3.

Option Value Ordering Restrictions & Notes †	
Option Value	Restriction
CNP164CW	Cordset will exit the side of the electrical housing. Hook option required. Wet location rated. Available with FE10WCP battery only.
CNP165CDW	Cordset will exit the side of the electrical housing. Hook option required. Wet location rated. Not available with AO, ETS, ER, any dimming control or FE10WCP battery.
CNP165CW	Cordset will exit the side of the electrical housing. Hook option required. Wet location rated. Available with ETS or ER controls only.
CNP16W	Cordset will exit the side of the electrical housing. Hook option required. Wet location rated. Not available with ETS, ER controls or FE10WCP battery.
CNP16Y	Cordset will exit the side of the electrical housing. Hook option required. Wet location rated. Limited lengths (3'-6') available. Not available with ETS, ER controls or FE10WCP battery.
CNP16YAM	Cordset will exit the side of the electrical housing. Hook option required. Wet location rated. Not available with ETS, ER controls or FE10WCP battery.
CPTL16WWL	Cordset will exit the side of the electrical housing. Hook option required. Wet location rated. Not available with ETS, ER controls or FE10WCP battery.
CPTL16YAMWL	Cordset will exit the side of the electrical housing. Hook option required. Wet location rated. Not available with ETS, ER controls or FE10WCP battery.
CPTL20A16WWL	Cordset will exit the side of the electrical housing. Hook option required. Wet location rated. Not available with ETS, ER controls or FE10WCP battery.
DIM	Extended leads for 0-10V dimming when pendant mounting the fixture. This option does not include a special dimming terminal. Not available with dimming controls or any cordset.
ETS	Utilizes IOTA® ETS DR automatic load control relay device. Not available with HVOLT, 347, 480, XVOLT, 347X, 480X or FE10WCP battery option. Allows for 0-10V dimming bypass when emergency power is provided by a generator or inverter. Available with 5 conductor dual voltage (CNP165C) cordsets.
FE10WCP	Utilizes Fulham® FHSCP-UNV-10P-SDWLT emergency driver with FHSBATL6-1.5L-SD, LiFePO4 battery. Available with (CNP164C) 4 conductor cord, but not required. Not available with HVOLT, 347, 480, XVOLT, 347X, 480X, SBG BTP sensors, ETS, HAZ or TR remote housing. IP67 rated, not available for IP69K applications.
HAZ	Not Available with XVOLT, 277X, 347X, 480X, nLight embedded controls, FE10WCP, NSG, TR remote housing, any cordsets.
HK646	Cordset option required.
HK646SS	Cordset option required.
NLTAIR2 RIO	Not available with XVOLT, 277X, 347X, 480X, AO, DIM, dimming cordsets, ETS, HAZ or TR remote housing. IP66 rated, not available for IP67 or IP69K applications.
NLTAIR2 RSBG40	Not available with XVOLT, 277X, 347X, 480X, AO, DIM, dimming cordsets, ETS, HAZ or TR remote housing. IP66 rated, not available for IP67 or IP69K applications.
SBG10 OCC BTP	Not available with XVOLT, 277X, 347X, 480X, AO, DIM, dimming cordsets, ETS, FE10WCP battery or TR remote housing. IP66 rated, not available for IP67 or IP69K applications.
SBGR D	Not available with AO, DIM, dimming cordsets, ETS or TR remote housing. IP66 rated, not available for IP67 or IP69K applications.
SCK24	Available in 12, 18 24, 30 and 36 inch lengths standard. Example: SCK30. Other lengths available by special order.
SCSS36	Available in 12, 18 24, 30 and 36 inch lengths standard. Example: SCSS12. Other lengths available by special order.
SPD20K	Available with MVOLT, 120, 208, 240, 277 or 277X only.
SPD20KH	Available with HVOLT, 347, 347X, 480 or 480X only.
TR	Not available with HAZ, FE10WCP battery, Sensor Switch embedded controls or nLight embedded controls.

IMAGES

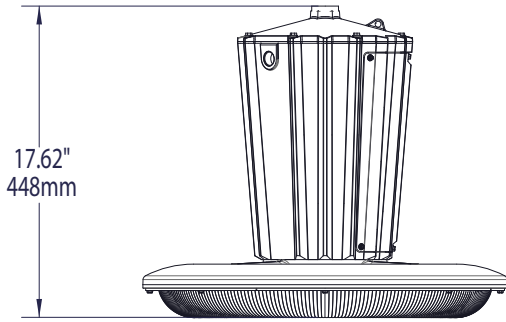


Side Cord with HK646 or HK646SS hook
(Note: All incoming wiring connections to be connected to the cord)



Pendant Mount
(Note: Hook and cord cannot be field installed)

DIMENSIONAL DATA

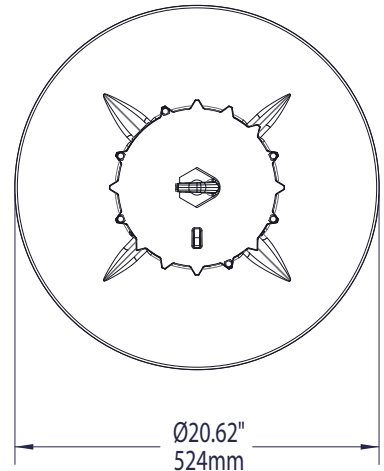
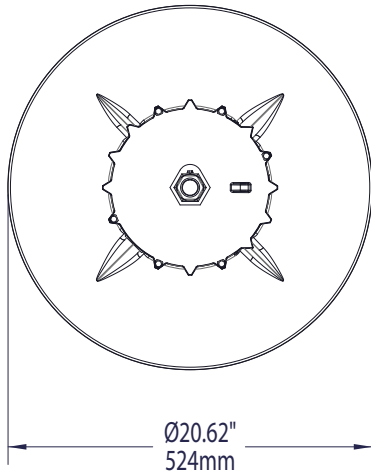


Pendant (Less Cord)

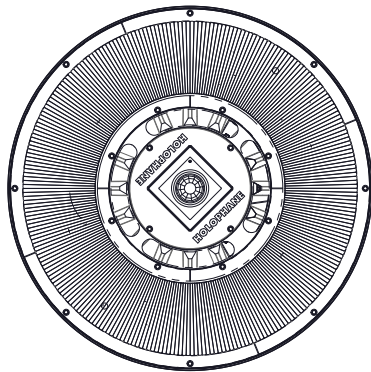


**Solid Hook
(Side Entry Cord Not Shown)**

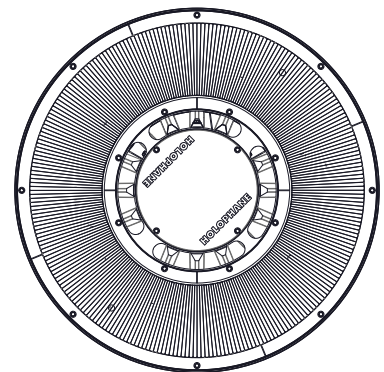
Top View



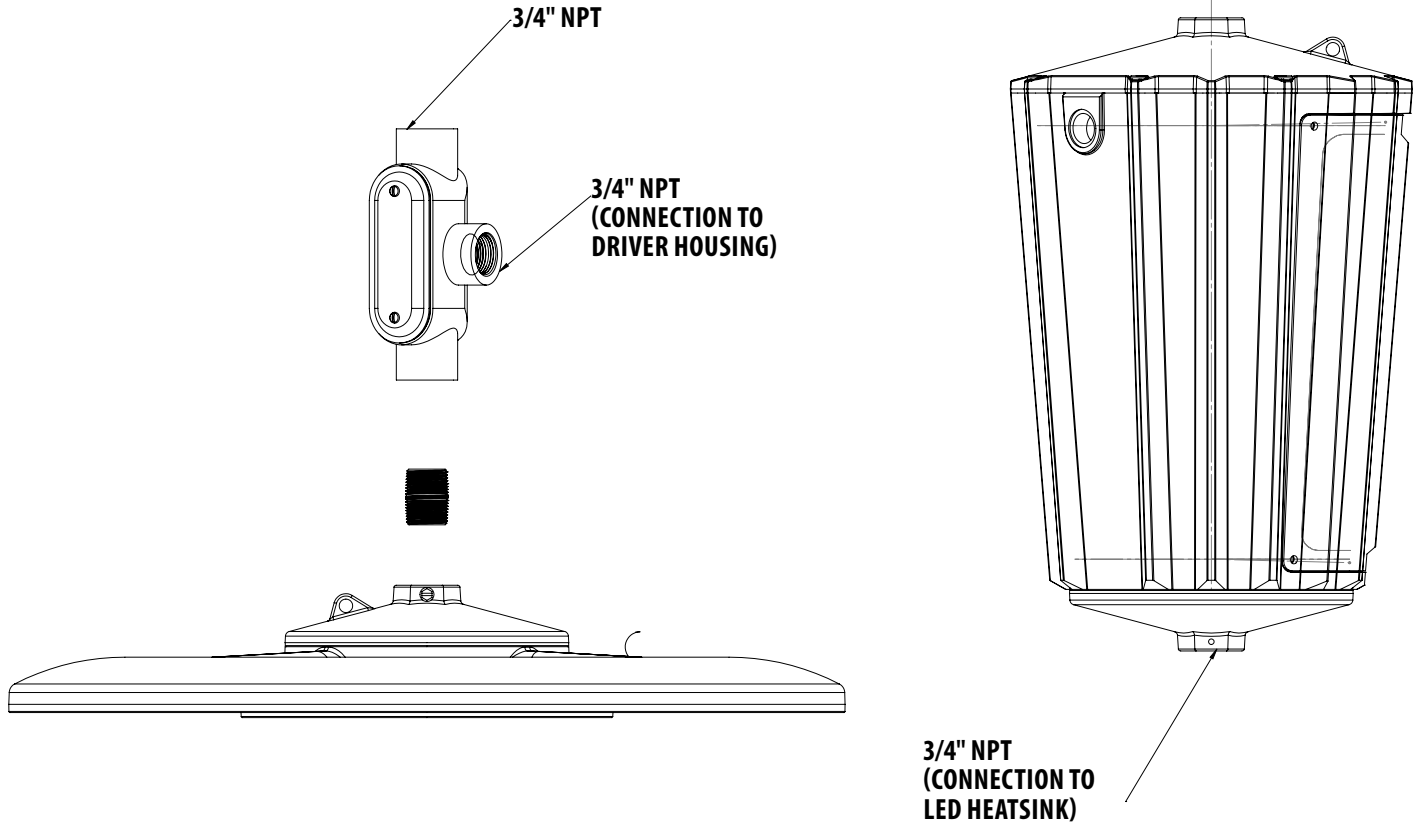
Bottom View



with Motion Sensor option



TR REMOTE HOUSING



Number of LED Boards and Drivers Used

Lumen Package	Voltage	Number of LED Boards	Number of Drivers
12000LM	MVOLT, 120, 208, 240, 277	4	1
	HVOLT, 347, 480	4	1
	XVOLT, 277X, 237X, 480X	4	1
15000LM	MVOLT, 120, 208, 240, 277	4	1
	HVOLT, 347, 480	4	1
	XVOLT, 277X, 237X, 480X	4	1
18000LM	MVOLT, 120, 208, 240, 277	4	1
	HVOLT, 347, 480	4	1
	XVOLT, 277X, 237X, 480X	4	1
24000LM	MVOLT, 120, 208, 240, 277	4	1
	HVOLT, 347, 480	4	1
	XVOLT, 277X, 237X, 480X	4	1
28000LM	MVOLT, 120, 208, 240, 277	4	2
	HVOLT, 347, 480	4	2
	XVOLT, 277X, 237X, 480X	4	1
32000LM	MVOLT, 120, 208, 240, 277	4	2
	HVOLT, 347, 480	4	2
	XVOLT, 277X, 237X, 480X	4	1

OPERATIONAL DATA

Operating Characteristics ‡

Lumen Package	Lens	Distribution	Input Watts ‡	Delivered Lumens @ 3000K			Delivered Lumens @ 4000K			Delivered Lumens @ 5000K			
				70CRI	80CRI	90CRI	70CRI	80CRI	90CRI	70CRI	80CRI	90CRI	
12000LM	ACL	MD	82	12029	11768	9763	12727	11942	10199	12814	12552	10722	Lumens
				147	144	119	155	146	124	156	153	131	LPW
		MDU	82	11731	11476	9521	12411	11646	9946	12496	12241	10456	Lumens
				143	140	116	151	142	121	152	149	128	LPW
		WD	82	12046	11784	9777	12745	11959	10213	12832	12570	10737	Lumens
				147	144	119	155	146	125	156	153	131	LPW
		WDU	82	11619	11366	9430	12292	11534	9851	12376	12124	10356	Lumens
				142	139	115	150	141	120	151	148	126	LPW
	PCL	MD	82	11071	10830	8985	11712	10990	9386	11793	11552	9867	Lumens
				135	132	110	143	134	114	144	141	120	LPW
		MDU	82	10214	9992	8290	10806	10140	8660	10880	10658	9104	Lumens
				125	122	101	132	124	106	133	130	111	LPW
		WD	82	10055	9836	8161	10638	9982	8525	10711	10492	8962	Lumens
				123	120	100	130	122	104	131	128	109	LPW
		WDU	82	9885	9670	8022	10458	9813	8380	10529	10314	8810	Lumens
				121	118	98	128	120	102	128	126	107	LPW

Lumen Package	Lens	Distribution	Input Watts ‡	Delivered Lumens @ 3000K			Delivered Lumens @ 4000K			Delivered Lumens @ 5000K			
				70CRI	80CRI	90CRI	70CRI	80CRI	90CRI	70CRI	80CRI	90CRI	
15000LM	ACL	MD	105	14594	14298	11862	15463	14488	12392	15545	15228	13007	Lumens
				139	136	113	147	138	118	148	145	124	LPW
		MDU	105	14253	13943	11568	15079	14150	12084	15183	14873	12704	Lumens
				136	133	110	144	135	115	145	142	121	LPW
		WD	105	14636	14318	11879	15485	14530	12410	15591	15273	13046	Lumens
				139	136	113	147	138	118	148	145	124	LPW
		WDU	105	14117	13810	11457	14935	14014	11969	15037	14730	12582	Lumens
				134	132	109	142	133	114	143	140	120	LPW
	PCL	MD	105	13451	13159	10917	13640	13354	11404	14328	14036	11989	Lumens
				128	125	104	130	127	109	136	134	114	LPW
		MDU	105	12410	12140	10072	13130	12320	10522	13219	12950	11061	Lumens
				118	116	96	125	117	100	126	123	105	LPW
		WD	105	12217	11951	9915	12925	12128	10358	13014	12748	10889	Lumens
				116	114	94	123	116	99	124	121	104	LPW
		WDU	105	12010	11749	9747	12706	11923	10182	12793	12532	10704	Lumens
				114	112	93	121	114	97	122	119	102	LPW

Lumen Package	Lens	Distribution	Input Watts ‡	Delivered Lumens @ 3000K			Delivered Lumens @ 4000K			Delivered Lumens @ 5000K			
				70CRI	80CRI	90CRI	70CRI	80CRI	90CRI	70CRI	80CRI	90CRI	
18000LM	ACL	MD	128	18054	17662	14653	19101	17924	15307	19232	18839	16092	Lumens
				141	138	114	149	140	120	150	147	126	LPW
		MDU	128	17607	17224	14289	18627	17479	14927	18755	18372	15693	Lumens
				138	135	112	146	137	117	147	144	123	LPW
		WD	128	18080	17687	14674	19128	17949	15329	19259	18866	16115	Lumens
				141	138	115	149	140	120	150	147	126	LPW
		WDU	128	17438	17059	14153	18449	17312	14784	18575	18196	15543	Lumens
				136	133	111	144	135	116	145	142	121	LPW
	PCL	MD	128	16616	16254	13485	17579	16495	14087	17699	17338	14810	Lumens
				130	127	105	137	129	110	138	135	116	LPW
		MDU	128	15330	14997	12442	16219	15219	12997	16330	15996	13664	Lumens
				120	117	97	127	119	102	128	125	107	LPW
		WD	128	15091	14763	12248	15966	14982	12795	16076	15747	13451	Lumens
				118	115	96	125	117	100	126	123	105	LPW
		WDU	128	14836	14382	11932	15554	14595	12465	15803	15481	13223	Lumens
				116	112	93	122	114	97	123	121	103	LPW

‡ Notes	
Input Watts	@ 120 volts.
Operating Characteristics	Absolute photometry calculated in accordance with IESNA LM-79-08 @ 25°C

OPERATIONAL DATA

Operating Characteristics ‡

Lumen Package	Lens	Distribution	Input Watts ‡	Delivered Lumens @ 3000K			Delivered Lumens @ 4000K			Delivered Lumens @ 5000K			
				70CRI	80CRI	90CRI	70CRI	80CRI	90CRI	70CRI	80CRI	90CRI	
24000LM	ACL	MD	180	23012	22511	18676	24345	22845	19510	24512	24012	20510	Lumens
				128	125	104	135	127	108	136	133	114	114
		MDU	180	22441	21953	18213	23741	22278	19026	23904	23416	20001	Lumens
				125	122	101	132	124	106	133	130	111	111
		WD	180	23044	22543	18702	24380	22877	19537	24547	24046	20539	Lumens
				128	125	104	135	127	109	136	134	114	114
		WDU	180	22226	21743	18038	23514	22065	18844	23675	23192	19810	Lumens
				123	121	100	131	123	105	132	129	110	110
	PCL	MD	180	21178	20717	17188	22405	21024	17955	22559	22098	18876	Lumens
				118	115	95	124	117	100	125	123	105	105
		MDU	180	19539	19114	15858	20672	19397	16566	20813	20388	17415	Lumens
				109	106	88	115	108	92	116	113	97	97
		WD	180	19235	18817	15611	20350	19095	16308	20489	20071	17144	Lumens
				107	105	87	113	106	91	114	112	95	95
		WDU	180	18909	18498	15346	20005	18772	16031	20142	19731	16853	Lumens
				105	103	85	111	104	89	112	110	94	94

Lumen Package	Lens	Distribution	Input Watts ‡	Delivered Lumens @ 3000K			Delivered Lumens @ 4000K			Delivered Lumens @ 5000K			
				70CRI	80CRI	90CRI	70CRI	80CRI	90CRI	70CRI	80CRI	90CRI	
28000LM	ACL	MD	221	28437	26578	21002	31039	28251	23790	31968	28622	26020	Lumens
				129	120	95	140	128	108	145	130	118	118
		MDU	221	27731	25919	20481	30269	27550	23200	31175	27913	25375	Lumens
				125	117	93	137	125	105	141	126	115	115
		WD	221	28477	26616	21032	31083	28291	23824	32013	28663	26057	Lumens
				129	120	95	141	128	108	145	130	118	118
		WDU	221	27466	25671	20285	29979	27286	22978	30877	27645	25132	Lumens
				124	116	92	136	123	104	140	125	114	114
	PCL	MD	221	26171	24460	19329	28565	26000	21894	29421	26342	23947	Lumens
				118	111	87	129	118	99	133	119	108	108
		MDU	221	24146	22567	17833	26355	23988	20200	27144	24303	22094	Lumens
				109	102	81	119	109	91	123	110	100	100
		WD	221	23770	22216	17555	25945	23614	19886	26721	23925	21750	Lumens
				108	101	79	117	107	90	121	108	98	98
		WDU	221	23367	21840	17258	25275	23005	19373	26032	23308	21189	Lumens
				106	99	78	114	104	88	118	105	96	96

Lumen Package	Lens	Distribution	Input Watts ‡	Delivered Lumens @ 3000K			Delivered Lumens @ 4000K			Delivered Lumens @ 5000K			
				70CRI	80CRI	90CRI	70CRI	80CRI	90CRI	70CRI	80CRI	90CRI	
32000LM	ACL	MD	260	33559	31365	24785	36629	33339	28075	37726	33778	30707	Lumens
				129	121	95	141	128	108	145	130	118	118
		MDU	260	32726	30587	24170	35721	32512	27379	36790	32940	29946	Lumens
				126	118	93	137	125	105	142	127	115	115
		WD	260	33606	31410	24820	36681	33387	28115	37780	33826	30751	Lumens
				129	121	95	141	128	108	145	130	118	118
		WDU	260	32413	30295	23939	35379	32201	27117	36438	32625	29659	Lumens
				125	117	92	136	124	104	140	125	114	114
	PCL	MD	260	30885	28866	22810	33711	30683	25838	34720	31086	28260	Lumens
				119	111	88	130	118	99	134	120	109	109
		MDU	260	28495	26632	21045	31102	28308	23839	32033	28681	26073	Lumens
				110	102	81	120	109	92	123	110	100	100
		WD	260	28051	26218	20717	30618	27868	23468	31535	28234	25668	Lumens
				108	101	80	118	107	90	121	109	99	99
		WDU	260	27327	25541	20183	30099	27395	23070	31000	27756	25233	Lumens
				105	98	78	116	105	89	119	107	97	97

‡ Notes	
Input Watts	@ 120 volts.
Operating Characteristics	Absolute photometry calculated in accordance with IESNA LM-79-08 @ 25°C

OPERATIONAL DATA

Projected Lumen Maintenance ‡

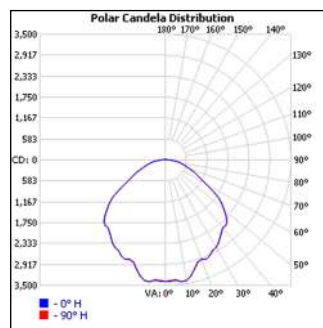
Package	Max and Min Temperature	0 Hours	15,000 Hours	30,000 Hours	45,000 Hours	60,000 Hours	100,000 Hours
12000LM	25C 55C	1.0 1.0	0.97 0.96	0.95 0.93	0.93 0.91	0.91 0.88	0.86 0.82
15000LM	25C 55C	1.0 1.0	0.97 0.96	0.95 0.93	0.93 0.91	0.91 0.88	0.86 0.82
18000LM	25C 55C	1.0 1.0	0.97 0.95	0.95 0.92	0.93 0.89	0.91 0.86	0.86 0.79
24000LM	25C 55C	1.0 1.0	0.97 0.95	0.95 0.92	0.93 0.89	0.91 0.86	0.86 0.79
28000LM	25C 45C	1.0 1.0	0.97 0.95	0.96 0.95	0.95 0.94	0.94 0.93	0.92 0.91
32000LM	25C 45C	1.0 1.0	0.97 0.96	0.96 0.95	0.95 0.94	0.94 0.93	0.92 0.90

‡ Notes	
Projected Lumen Maintenance	Calculated using data collected according to LM-80 and represents lumen maintenance of the LED package. Consult factory for actual TM-21 reports for your specific configuration.

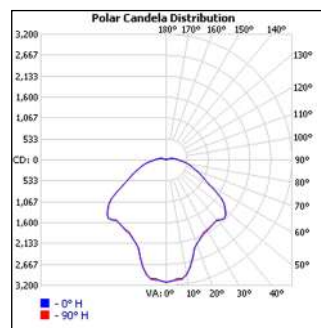
Ambient Temperature Ratings

Voltage	FE10WCP Battery	ETS Load Control Relay	SBGR Sensor	SBG BTP Sensor	NLTAIR2 RSBG, RSBG ER Sensor and NLTAIR2 RIO, RIO ER	Max Ambient					
						12000LM	15000LM	18000LM	24000LM	28000LM	32000LM
120-277	N	N	N	N	N	-40°C to 55°C	-40°C to 55°C	-40°C to 55°C	-40°C to 55°C	-40°C to 45°C	-40°C to 45°C
120-277	Y	N	N	N	N	10°C to 35°C	10°C to 35°C	10°C to 35°C	10°C to 35°C	10°C to 35°C	10°C to 35°C
120-277	N	Y	N	N	N	-40°C to 55°C	-40°C to 55°C	-40°C to 55°C	-40°C to 55°C	-40°C to 45°C	-40°C to 45°C
120-277	N	N	Y	N	N	-40°C to 55°C	-40°C to 55°C	-40°C to 55°C	-40°C to 55°C	-40°C to 45°C	-40°C to 45°C
120-277	N	N	N	Y	N	-40°C to 55°C	-40°C to 55°C	-40°C to 55°C	-40°C to 55°C	-40°C to 45°C	-40°C to 45°C
120-277	N	N	N	N	Y	-40°C to 55°C	-40°C to 55°C	-40°C to 55°C	-40°C to 55°C	-40°C to 45°C	-40°C to 45°C
120-277	Y	N	Y	N	N	10°C to 35°C	10°C to 35°C	10°C to 35°C	10°C to 35°C	10°C to 35°C	10°C to 35°C
120-277	Y	N	N	N	Y	10°C to 35°C	10°C to 35°C	10°C to 35°C	10°C to 35°C	10°C to 35°C	10°C to 35°C
347-480	N	N	N	N	N	-40°C to 55°C	-40°C to 55°C	-40°C to 55°C	-40°C to 55°C	-40°C to 45°C	-40°C to 45°C
347-480	N	N	Y	N	N	-40°C to 30°C	-40°C to 30°C	-40°C to 30°C	-40°C to 30°C	-40°C to 30°C	-40°C to 30°C
347-480	N	N	N	Y	N	-40°C to 30°C	-40°C to 30°C	-40°C to 30°C	-40°C to 30°C	-40°C to 30°C	-40°C to 30°C
347-480	N	N	N	N	Y	-40°C to 30°C	-40°C to 30°C	-40°C to 30°C	-40°C to 30°C	-40°C to 30°C	-40°C to 30°C

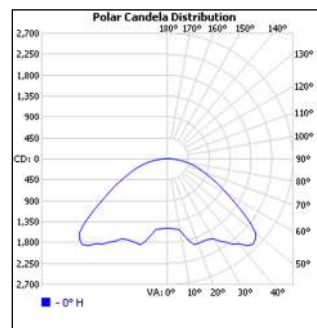
DISTRIBUTION DATA



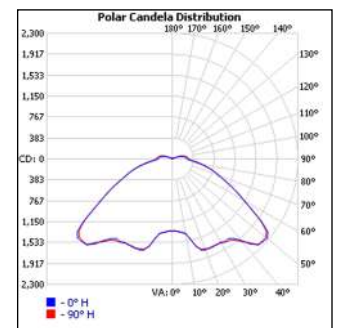
Medium



Medium with Uplight Reflector



Wide



Wide with Uplight Reflector

T-Codes for Hazardous Locations (HAZ option required)

Luminaire Lumen Rating	Rated Maximum Ambient Temperature	Supply Wire Temperature	Temperature Code, (Operating Temperature °C)
12000	35°C	90°C	T6 (85°C)
15000	45°C	90°C	T6 (85°C)
18000			
24000	55°C	90°C	T6 (85°C)
28000	45°C	90°C	T6 (85°C)
32000			

Impact Resistance (IK Ratings)

Lens Material	Rating
Acrylic	IK08
Polycarbonate	IK10

Emergency Lumen Output

How to Estimate Delivered Lumens in Emergency Mode
 Use the formula below to estimate the delivered lumens in emergency mode
Delivered Lumens = P x LPW
 P = Output power of emergency driver.
 LPW = Lumen per watt rating of the luminaire. (See charts on Page 6)
 The LPW rating is also available at [Designlight Consortium](#).
 P = 10W for FE10WCP

Emergency Lumen Output Example - 10 Watt Battery

Approximate Luminaire Efficacy	Approximate Lumens at 1 Minute	Approximate Lumens at 45 Minutes	Approximate Lumens at 90 Minutes
100 LPW	1000	1000	1000
110 LPW	1100	1100	1100
120 LPW	1200	1200	1200
130 LPW	1300	1300	1300
140 LPW	1400	1400	1400
150 LPW	1500	1500	1500

Zone Equivalency Markings

CLASS II, DIV 2, GROUP F OR G	CLASS II, ZONE 22
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NEMA Plug Configurations

Voltage	Straight Blade	15A Twist Lock	20A Twist Lock
MVOLT	NA	NA	NA
120	5-15P	L5-15P	L5-20P
208	NA	L6-15P	L6-20P
240	NA	L6-15P	L6-20P
277	7-15P	L7-15P	L7-20P
HVOLT	NA	NA	NA
347	NA	NA	L24-20P
480	NA	NA	L8-20P
XVOLT	NA	NA	NA
277X	NA	L7-15P	L7-20P
347X	NA	NA	L24-20P
480X	NA	NA	L8-20P

Additional Cordsets

Plug Option	Plug Type	Amperage	Gauge	# of conductors	Color	Location †	Length
CNP Cord only	(blank) No plug option (for cord only option)	(blank) 15 amps	16 16 gauge	(blank) 3 conductors	(blank) Black	(blank) Wet Location (cord only, no plug)	(blank) 6 feet
CP Cord with plug	TL Twist lock	20A 20 amps		4C 4 conductors (for use with EM battery)	W White	WL Wet Location Plug	3FT 3 feet
				5C 5 conductors (for use with ETS or ER controls)	Y Yellow ‡		10FT 10 feet
				5CD 5 conductors (for use with 0-10V dimming)	YAM Yellow, Antimicrobial		12FT 12 feet
							15FT 15 feet
							20FT 20 feet
							25FT 25 feet
							30FT 30 feet

Notes †	
Location	WL is only required when a plug is included. Leave blank when a plug is not included. All Vantage cords will be wet location rated.
Y	Limited lengths available (3ft or 6ft). More sizes available by special order.

Embedded Luminaire Technology Guide

Control Type	Sensor Nomenclature	Sensor Used (click on part number to link to sensor spec sheet)		Out of the box settings					Notes
				Unoccupied Time Until Dim	Dim to Off Time Delay	Occupied Dim Level	Unoccupied Dim Level	Daylighting Set Point	
Sensor Switch Embedded Controls	SBGR6	SBGR 6 WH		5M	n/a	100%	0V	n/a	360° High mount standalone embedded sensor (15-30ft), on/off occupancy
	SBGR6 D	SBGR 6 D WH		5M	n/a	100%	30%	n/a	360° High mount standalone embedded sensor (15-30ft), occupancy controlled high/low dimming, 30% min dim level
	SBGR10	SBGR 10 WH		5M	n/a	100%	0V	n/a	360° Low mount standalone embedded sensor (8-15ft), on/off occupancy
	SBGR10 D	SBGR 10 D WH		5M	n/a	100%	30%	n/a	360° Low mount standalone embedded sensor (8-15ft), occupancy controlled high/low dimming, 30% min dim level
	SBG6 OCC BTP	SBG BTP 6 OCC WH		10M	n/a	10V	n/a	n/a	360° High mount Bluetooth embedded sensor (15-45ft), on/off occupancy, includes SMHB VDALI LT for Bluetooth connectivity
	SBG6 HL BTP	SBG BTP 6 HL WH		10M	2.5M	10V	10%	n/a	360° High mount Bluetooth embedded sensor (15-45ft), high/low(off) occupancy dimming, includes SMHB VDALI LT for Bluetooth connectivity
	SBG6 ADC BTP	SBG BTP 6 ADC WH		10M	2.5M	10V	10%	50FC	360° High mount Bluetooth embedded sensor (15-45ft), on/off occupancy with auto dimming photocell, includes SMHB VDALI LT for Bluetooth connectivity
	SBG10 OCC BTP	SBG BTP 10 OCC WH		10M	n/a	10V	n/a	n/a	360° Low mount Bluetooth embedded sensor (7-15ft), on/off occupancy, includes SMHB VDALI LT for Bluetooth connectivity
	SBG10 HL BTP	SBG BTP 10 HL WH		10M	2.5M	10V	10%	n/a	360° Low mount Bluetooth embedded sensor (7-15ft), high/low(off) occupancy dimming, includes SMHB VDALI LT for Bluetooth connectivity
	SBG10 ADC BTP	SBG BTP 10 ADC WH		10M	2.5M	10V	10%	50FC	360° Low mount Bluetooth embedded sensor (7-15ft), on/off occupancy with auto dimming photocell, includes SMHB VDALI LT for Bluetooth connectivity
nLight Embedded Controls	NLTAIR2 RSBG6	RSBG 6 ZT WH LMH G2		7.5M	2.5M	100%	10%	50FC	360° Low mount nLight air embedded sensor (8-15ft), combined daylight and occupancy dimming, fully programmable with Clarity+ Pro app
	NLTAIR2 RSBG10	RSBG 10 ZT WH LMH G2		7.5M	2.5M	100%	10%	50FC	360° High mount nLight air embedded sensor (15-30ft), combined daylight and occupancy dimming, fully programmable with Clarity+ Pro app
	NLTAIR2 RSBG40	RSBG 40 ZT WH LMH G2		7.5M	2.5M	100%	10%	50FC	360° High bay nLight air embedded sensor (40ft), combined daylight and occupancy dimming, fully programmable with Clarity+ Pro app
	NLTAIR2 RIO	RIO ZT EXTDB ACWH 180D G2		n/a	n/a	80%	n/a	n/a	nLight air embedded network interface, fully programmable with Clarity+ Pro app
	NLTAIR2 RSBG6 ER	RSBG 6 ZT WH LMH G2	ETS DR	7.5M	2.5M	100%	10%	50FC	360° Low mount nLight air embedded sensor (8-15ft), combined daylight and occupancy dimming, fully programmable with Clarity+ Pro app, UL924 emergency operation, includes IOTA ETS DR, 5 conductor power input
	NLTAIR2 RSBG10 ER	RSBG 10 ZT WH LMH G2	ETS DR	7.5M	2.5M	100%	10%	50FC	360° High mount nLight air embedded sensor (15-30ft), combined daylight and occupancy dimming, fully programmable with Clarity+ Pro app, UL924 emergency operation, includes IOTA ETS DR, 5 conductor power input
	NLTAIR2 RSBG40 ER	RSBG 40 ZT WH LMH G2	ETS DR	7.5M	2.5M	100%	10%	50FC	360° High bay nLight air embedded sensor (40ft), combined daylight and occupancy dimming, fully programmable with Clarity+ Pro app, UL924 emergency operation, includes IOTA ETS DR, 5 conductor power input
	NLTAIRER2 RIO ER	RIO ZT EXTDB ACWH 180D G2	ETS DR	n/a	n/a	80%	n/a	n/a	nLight air embedded network interface, fully programmable with Clarity+ Pro app, UL924 emergency operation, includes IOTA ETS DR, 5 conductor power input

Mounting, Options and Accessories



SBGR Sensor



SBG BTP Sensor and Smarthub Control Module



nLight Air RSBG Sensor



nLight Air RIO Control Module