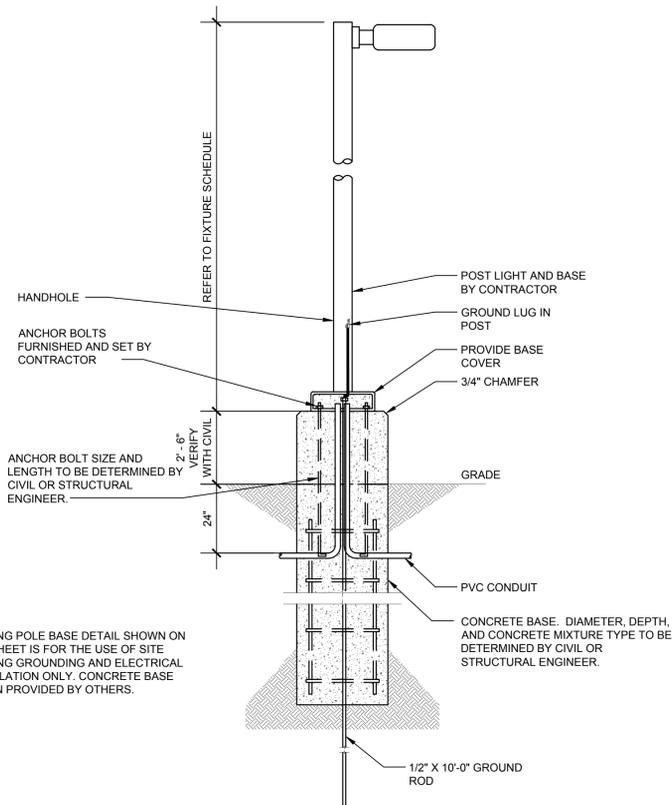


EXTERIOR LIGHT FIXTURE SCHEDULE

FIXTURE TAG	MANUFACTURER/BASIC OF DESIGN	MODEL/SERIES #	LAMP/LED SOURCE	VOLTAGE	INSTALLATION	DESCRIPTION
A2	COOPER LIGHTING	HC610D010IEM7-HM60525840-61MDCIEM	LED 10 VA 3000K	120	RECESSED IN CANOPY	DOWNLIGHT RECESSED IN CANOPY WITH EMERGENCY BACKUP
L	LITON	WD1340-BZL15-EMAC-T30	LED 21 VA 3000K	120	WALL MOUNT 8' ABOVE GRADE	WALL MOUNT FIXTURE WITH EMERGENCY BACKUP
SA	COOPER	PRV-C40-730-D-UNV-T3-SA-BK-HSS- MS/DIM-L40	LED 131 VA 3000K	120	POLE 12' ABOVE GRADE	SITE LIGHTING SINGLE HEAD WITH INTEGRAL MOTION/PHOTOCELL 10'-0" POLE ON 2'-6" CONCRETE BASE
SB	COOPER	PRV-C40-730-D-UNV-T4-SA-BK-HSS- MS/DIM-L40	LED 131 VA 3000K	120	POLE 20' ABOVE GRADE	SITE LIGHTING SINGLE HEAD WITH INTEGRAL MOTION/PHOTOCELL 18'-0" POLE ON 2'-6" CONCRETE BASE
SC	COOPER	PRV-C25-730-D-UNV-T2-SA-BK-HSS MS/DIM-L40	LED 96 VA 3000K	120	POLE 20' ABOVE GRADE	SITE LIGHTING SINGLE HEAD WITH INTEGRAL MOTION/PHOTOCELL 18'-0" POLE ON 2'-6" CONCRETE BASE
SD	COOPER	PRV-C25-730-D-UNV-T4-SA-BK-HSS- MS/DIM-L40	LED 96 VA 3000K	120	POLE 20' ABOVE GRADE	SITE LIGHTING SINGLE HEAD WITH INTEGRAL MOTION/PHOTOCELL 18'-0" POLE ON 2'-6" CONCRETE BASE
SG	COOPER	PRV-C60-730-D-UNV-T4-SA-BK- MS/DIM-L40	LED 306 VA 3000K	120	POLE 20' ABOVE GRADE	SITE LIGHTING DOUBLE HEAD WITH INTEGRAL MOTION/PHOTOCELL 18'-0" POLE ON 2'-6" CONCRETE BASE
SH	COOPER	BTR6-A2-730-U-T3-36-BK-SM2	LED 11 VA 3000K	120	BOLLARD 3' ABOVE GRADE	BOLLARD WITH INTEGRAL MOTION SENSOR
SI	COOPER	TCRS8W-BK-7030	LED 8 VA 3000K	120	STAKE 6" ABOVE GRADE	LANDSCAPE LIGHT

NOTES:
 1. VERIFY LAMP COLOR WITH ARCHITECT PRIOR TO ORDERING.
 2. MANUFACTURERS LISTED IN THIS SCHEDULE OR BY WRITTEN ADDENDUM WILL BE THE ONLY APPROVED MANUFACTURERS TO BID THE LIGHTING FIXTURES FOR THIS PROJECT.
 CONTRACTORS AND SUPPLIERS USING PRICING FROM MANUFACTURERS NOT LISTED ON SCHEDULE OR BY ADDENDUM DO SO AT THEIR OWN RISK.
 3. VERIFY COLOR OF FIXTURE AND ALL COMPONENTS WITH ARCHITECT PRIOR TO ORDERING.

DESCRIPTION	LIGHT LEVEL STATISTICS				
	AVG	MAX	MIN	MAX/MIN	AVG/MIN
PROPERTY LINE	0.2 FC	0.5 FC	0.0 FC	N/A	N/A
PARKING	2.9 FC	10.7 FC	0.3 FC	357:1	9.7:1
POOL DECK	21.7 FC	32.9 FC	10.5 FC	3.1:1	2.1:1



NOTE:
 LIGHTING POLE BASE DETAIL SHOWN ON THIS SHEET IS FOR THE USE OF SITE LIGHTING GROUNDING AND ELECTRICAL INSTALLATION ONLY. CONCRETE BASE DESIGN PROVIDED BY OTHERS.

- NOTES:
- TYPICAL FOR ALL POLE MOUNTED LIGHTS. SEE PLAN FOR LOCATION AND QUANTITY.
 - PROVIDE ONE EXTRA STUBBED AND CAPPED CONDUIT IN EACH BASE FOR FUTURE EXTENSIONS.
 - WHERE REQUIRED BY LOCAL AUTHORITY, PROVIDE A BASE DRAWING DESIGNED BY A REGISTERED STRUCTURAL ENGINEER AND STAMPED BY ENGINEER FOR SUBMISSION TO AHJ.

2 LIGHT POLE DETAIL
NOT TO SCALE

Project		Catalog #		Type	
Prepared by		Notes		Date	



HALO Commercial

HC6 | HM6 | 61 | 61PS

6-inch LED downlight and wall wash

Typical Applications

Office • Healthcare • Hospitality • Institutional • Mixed-Use/Retail

Interactive Menu

- Order Information [page 2](#)
- Product Specifications [page 4](#)
- Photometric Data [page 5](#)
- Energy & Performance Data [page 8](#)
- Connected Systems [page 10](#)
- Product Warranty

Top Product Features

- New construction/remodel series; 500 to 6,000 lumens
- Narrow, Medium and Wide distributions; Wall wash with rotatable linear spread lens
- 2700K, 3000K, 3500K, 4000K, 5000K CCT; 80 or 90 CRI
- Universal voltage 120V-277V; Standard 0-10V driver dims to 1%
- Mounting frame converts to remodel that installs from below the ceiling
- Quick Spec emergency backup mounting frames - fast delivery option

Product Certification



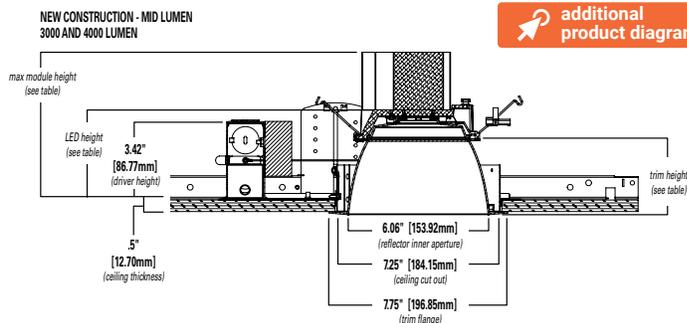
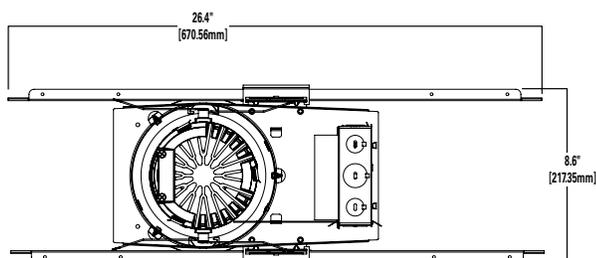
Product Features



Control Compatibility



Dimensional and Mounting Details



[additional product diagrams](#)

Mid Lumen (3000 – 4000 Lumens)

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	6.6"	3.4"	3.8"
Medium	6.7"	3.5"	3.9"
Wide	6.5"	3.3"	3.7"
Baffle	6.5"	3.3"	3.7"

Mounting Frame Order Information

Sample Number: **HC620D010REM7 – HM60525835 - 61MDC**

A complete luminaire consists of a housing frame, LED module, and reflector (ordered separately)

Mounting Frame	Lumens	Driver Options	Factory Installed Emergency & Connected Lighting Options	Accessories (Order & Install Separately)
<p>HC6 = 6" new construction downlight housing</p> <p>HC6CP = 6" new construction housing, Chicago Plenum - CCEA compliant</p>	<p>05 = 500 lm</p> <p>07 = 750 lm</p> <p>10 = 1000 lm</p> <p>15 = 1500 lm</p> <p>20 = 2000 lm</p> <p>25 = 2500 lm</p> <p>30 = 3000 lm</p> <p>35 = 3500 lm</p> <p>40 = 4000 lm</p> <p>45 = 4500 lm ⁽⁷⁾</p> <p>50 = 5000 lm ⁽⁷⁾</p> <p>55 = 5500 lm ⁽⁷⁾</p> <p>60 = 6000 lm ⁽⁷⁾</p>	<p>D010=UNV 120-277V, 50/60Hz, 0-10V 1%-100% dimming at 120-277V on 0-10V controls</p> <p>Canada Option 500-5000 lumens: D010347 = 347VAC 50/60Hz 0-10V 1%-100% dimming. For 500, 750, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000lm models only ⁽¹⁾</p> <p>Canada Option 5500-6000 lumens: D010X347 = step down transformer factory installed (with standard "D010" 120V-277V LED driver). For 5500, 6000lm models only ⁽¹⁾</p> <p>DLV = Distributed Low Voltage dimming driver 1%-100%, 1000-4000 lumens only. For use with DLVP system only, refer to DLVP specifications for details. ⁽¹⁾</p>	<p>REM7 = 7 watt emergency battery pack with remote test / indicator light, use with D010 only ^{(1) (2) (6)}</p> <p>REM14 = 14 watt emergency battery pack with remote test / indicator light, use with D010 only ^{(1) (2) (6)}</p> <p>IEM7 = 7 watt emergency battery pack with integral test / indicator light, use with D010 only ^{(1) (2) (6)}</p> <p>IEM14 = 14 watt emergency battery pack with integral test / indicator light, use with D010 only ^{(1) (2) (6)}</p> <p>BOD7ST = 7.5 watt Bodine self-test emergency battery pack with remote test / indicator light, use with D010 only ^{(1) (2) (6)}</p> <p>WTA = Factory WaveLinX PRO Tilemount Sensor Kit ⁽⁴⁾</p> <p>WTK = Factory WaveLinX LITE Tilemount Sensor Kit ⁽⁵⁾</p> <p>WPN = WaveLinX PRO Wireless Node without Sensor ⁽⁹⁾</p> <p>WLN = WaveLinX LITE Wireless Node without Sensor ⁽¹⁰⁾</p> <p>REM7V = 7 watt emergency battery pack with remote test / indicator light, use with DLV only ^{(1) (2) (3) (6)}</p> <p>REM14V = 14 watt emergency battery pack with remote test / indicator light, use with DLV only ^{(1) (2) (3) (6)}</p> <p>IEM7V = 7 watt emergency battery pack with integral test / indicator light, use with DLV only ^{(1) (2) (3) (6)}</p> <p>IEM14V = 14 watt emergency battery pack with integral test / indicator light, use with DLV only ^{(1) (2) (3) (6)}</p>	<p>HB128APK = L channel hanger bar, 26", pair (replacement)</p> <p>RMB22 = Adjustable wood joist mounting bars, pair, extend to 22" long</p> <p>HSA6 = Slope Adapter for 6" Aperture Housings, Specify Slope (refer to instructions for installing housing and trim)</p> <p>H347 = 347 to 120V step down transformer, 75VA</p> <p>H347200 = 347 to 120V step down transformer, 200VA</p> <p>WTA = Field WaveLinX PRO Tilemount Sensor Kit ⁽⁴⁾</p> <p>WTK = Field WaveLinX LITE Tilemount Sensor Kit ⁽⁵⁾</p>
Notes	Notes	Notes	Notes	Notes
	<p>(7) Marked Spacing: Center to Center of Adjacent Luminaires = 36" Center of Luminaire to Building Member = 18" Minimum overhead = 0.5</p>	<p>(1) Not available with CP models</p>	<p>(1) Not available with CP models</p> <p>(2) Not available with D010347 (347V models)</p> <p>(3) ULus for U.S. only</p> <p>(4) WTA = WaveLinX PRO tilemount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only. (Refer to WaveLinX PRO specifications.)</p> <p>(5) WTK = WaveLinX LITE tilemount sensor kit for daylight dimming, PIR motion sensing, use with D010 only. (Refer to WaveLinX LITE specifications.)</p> <p>(6) Emergency battery backup options are Non-IC only, and rated for a minimum starting temperature of 0°C</p> <p>(9) WPN = WaveLinX PRO wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only. Not compatible with 347V or Chicago plenum. (Refer to WaveLinX PRO specifications.)</p> <p>(10) WLN = WaveLinX LITE wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only. Not compatible with 347V or Chicago plenum. (Refer to WaveLinX LITE specifications.)</p>	<p>(4) WTA = WaveLinX PRO tilemount sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only. (Refer to WaveLinX PRO specifications.)</p> <p>(5) WTK = WaveLinX LITE tilemount sensor kit for daylight dimming, PIR motion sensing, use with D010 only. (Refer to WaveLinX LITE specifications.)</p>

Quick Spec Emergency Mounting Frame Order Information

Sample Number :

Quick Spec Emergency Mounting Frame: **RR-HC620D010REM7**

LED module and reflectors are ordered separately.

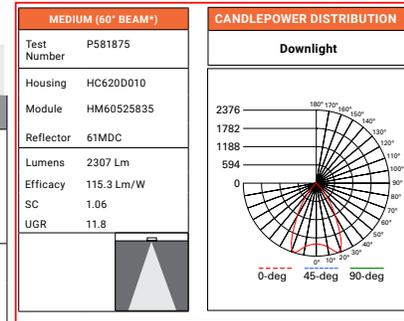
Order separately: LED Module: HM60525835 | Reflector: 61MDC

Select from the Quick Spec Mounting Frame ordering information to receive the **Fast Delivery** option for the frame.

Quick Spec Code	Mounting Frame	Lumens	Driver Options	Factory Installed Emergency & Connected Lighting Options	Accessories (Order & Install Separately)
<p>RR = East Region</p> <p>BRR = West Region</p>	<p>HC6 = 6" new construction downlight housing</p>	<p>10 = 1000 lm</p> <p>15 = 1500 lm</p> <p>20 = 2000 lm</p> <p>30 = 3000 lm</p> <p>40 = 4000 lm</p>	<p>D010=UNV 120-277V, 50/60Hz, 0-10V 1%-100% dimming at 120-277V on 0-10V controls</p>	<p>REM7 = 7 watt emergency battery pack with remote test / indicator light, use with D010 only ^{(2) (6)}</p> <p>REM14 = 14 watt emergency battery pack with remote test / indicator light, use with D010 only ^{(2) (6)}</p> <p>IEM7 = 7 watt emergency battery pack with integral test / indicator light, use with D010 only ^{(2) (6)}</p> <p>IEM14 = 14 watt emergency battery pack with integral test / indicator light, use with D010 only ^{(2) (6)}</p>	<p>HB128APK = L channel hanger bar, 26", pair (replacement)</p> <p>RMB22 = Adjustable wood joist mounting bars, pair, extend to 22" long</p>
Notes	Notes	Notes	Notes	Notes	Notes
				<p>(2) Not available with D010347 (347V models)</p> <p>(6) Emergency battery backup options are Non-IC only, and rated for a minimum starting temperature of 0°C</p>	

LED Module Order Information

LED Module	Lumens	CRI/CCT	
HM6 = 6" LED Modules For use with HC6 - HC6CP New Construction housings only	0525 = 500 - 2500 lumen 3040 = 3000-4000 lumen 4560 = 4500-6000 lumen	827 = 80CRI, 2700K 830 = 80CRI, 3000K 835 = 80CRI, 3500K 840 = 80CRI, 4000K 850 = 80CRI, 5000K	927 = 90CRI, 2700K 930 = 90CRI, 3000K 935 = 90CRI, 3500K 940 = 90CRI, 4000K 950 = 90CRI, 5000K
Notes	Notes	Notes	



Trim Order Information

Reflector	Distribution ⁽⁸⁾	Finish	Flange	Accessories
61 = 6" conical reflector	ND = narrow 55° beam angle 0.97 SC MD = medium 60° beam angle 1.10 SC WD = wide 65° beam angle 1.28 SC RWW = rotatable wall wash with linear spread lens	C = Specular clear H = Semi-specular clear W = White	Blank = Polished flange standard with C & H reflectors Blank = White flange standard with W reflector WF = White flange option available with C & H reflectors	61RWWPK = Replacement part kit - wall wash lens insert - for use with 61RWW* only.
Notes	Notes (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	Notes	Notes	Notes

Baffle	Distribution ⁽⁸⁾	Finish	Flange	Accessories
61 = 6" baffle reflector	WD = wide 65° beam angle 1.28 SC (nominal) RWW = rotatable wall wash with linear spread lens	BB = Black baffle WB = White baffle	Blank = White flange standard with BB, & WB BF = Black flange option available with BB	61RWWPK = Replacement part kit - wall wash lens insert - for use with 61RWW* only.
Notes	Notes (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	Notes	Notes	Notes

Reflector	Distribution ⁽⁸⁾	Finish	Flange
61PS = 6" non-conductive polymer 'dead front' conical reflector⁽⁹⁾	MD = medium 60° beam angle 1.10 SC (nominal)	W = White	Blank = White flange standard with W reflector
Notes (9) 61PS is 1000-2000 lumens Non-IC rated. 500 & 750 lumens IC rated. 61PS is not for use over 2000lm in Non-IC or over 750lm in IC.	Notes (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	Notes	Notes

IEM Reflector	Distribution ⁽⁸⁾	Finish	Flange	Integral Emergency
61 = 6" IEM reflector for integral emergency only	ND = narrow 55° beam angle 0.97 SC MD = medium 60° beam angle 1.10 SC WD = wide 65° beam angle 1.28 SC	C = Specular clear H = Semi-specular clear W = White	Blank = Polished flange standard with C & H reflectors Blank = White flange standard with W reflector WF = White flange option available with C & H reflectors	IEM = Reflector for use with integral emergency housings only. Provides access hole for integral emergency test switch.
Notes	Notes (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	Notes	Notes	Notes

IEM Baffle	Distribution ⁽⁸⁾	Finish	Flange	Integral Emergency
61 = 6" IEM baffle reflector for integral emergency only	WD = wide 65° beam angle 1.28 SC (nominal)	BB = Black baffle WB = White baffle	Blank = White flange standard with BB, & WB BF = Black flange option with BB	IEM = Reflector for use with integral emergency housings only. Provides access hole for integral emergency test switch.
Notes	Notes (8) Values are nominal, with specular clear reflector, other finishes and field results may vary.	Notes	Notes	Notes

Product Specifications

Housing Frame

- Boat shaped galvanized steel plaster frame with adjustable plaster lip
- Accommodates 1/2" to 1-1/2" thick ceilings
- Installs in new construction or from below the finished ceiling (non-accessible) for remodeling (with mounting bars removed)
- Provided with two remodel clips to secure the frame to the ceiling

Universal Mounting Bracket

- Adjusts 2" vertically from above and below the ceiling
- Use with the included mounting bars or with 1/2" Electric Metallic Tube (EMT)
- Removable to facilitate remodeling installation from below the finished ceiling

Mounting Bars

- Captive pre-installed No Fuss™ mounting bars lock to T-grid with screwdriver or pliers
- Centering detents allow for consistent positioning of fixtures

LED Module

- Proximity phosphors over chip on board LEDs provide a uniform source with high efficiency and no pixilation
- Available in 80 or 90 color rendering index (CRI)
- Color accuracy within 3 SDCM provides color consistency and uniformity
- 90 CRI option: R9>50 (refer to chromaticity information for details)
- Available in 2700K, 3000K, 3500K, 4000K and 5000K correlated color temperature (CCT)
- Lumen options include 500, 750, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500, 6000 lumens (nominal)
- Passive thermal management achieves 60,000 hours at 70% lumen maintenance (L70) in insulated ceilings (IC) and non-IC applications
- Integral diffuse lens provides visual shielding
- Integral connector allows quick connection to housing flex

Reflector

- Self-flanged aluminum reflectors available in narrow, medium or wide distribution patterns
- Medium distribution polymer non-conductive matte white reflector may be used to meet local codes for 'dead front' applications (500 & 750 lumen max. in IC and 2000 lumen max. in Non-IC)
- Wall wash reflector features a rotatable linear spread lens for alignment of vertical illumination
- Reflectors attach to LED module with three speed clamps
- Available in multiple painted or plated finishes

Reflector/Module Retention

- Reflector/module assembly is securely retained in the housing with two torsion springs

Driver

- Field-replaceable constant current driver provides low noise operation
- Universal 120-277VAC 50/60Hz input standard
- Continuous, 1% to 100% dimming with 0-10V analog control
- Optional low-voltage DC driver for use with Distributed Low Voltage Power (DLVP) system
- Distributed Low Voltage Power (DLVP) system combines power, lighting and controls with ease of installation (refer to DLVP Design Guide at www.cooperlighting.com for details)

Canada Options

- 347VAC 50/60Hz; 1% dimming on 0-10V analog control, for 500, 750, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000 lumen models only
- 347V step down transformer factory installed with the standard "D010" 120V-277V, LED driver on 5500, 6000 lumen models only

Emergency Option

- Provides 90 minutes of standby lighting, meeting most life safety codes for egress lighting
- Available with integral or remote charge indicator and test switch
- Available Self-Test (self-diagnostic) with remote charge indicator and test switch
- Quick Spec emergency ordering option for quick-turn projects

Connected Lighting System

Two WaveLinX connected solutions to choose from. Refer to WaveLinX system specifications and application guides for details.

WaveLinX PRO Tilemount Sensor Kit

- WaveLinX PRO WTA tilemount sensor kit offers daylight dimming, PIR motion sensing, scene and zone configuration, automatic commissioning; and optional RLTS - Real Time Location Services available.

WaveLinX PRO Wireless Node

- WaveLinX PRO WPN wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only. **Note:** Not compatible with 347V or Chicago plenum.

WaveLinX LITE Tilemount Sensor Kit

- WaveLinX LITE WTK tilemount sensor kit offers daylight dimming and PIR motion sensing, scene and grouping configuration.

WaveLinX LITE Wireless Node

- WaveLinX LITE WLN wireless node provides luminaire level control with scene and zone configuration without an integrated sensor; Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired. Use with 0-10V driver only. **Note:** Not compatible with 347V or Chicago plenum.

WaveLinX Tilemount Sensor Kits Application

- The WTA and WTK tilemount sensor kits include a control module mounted on the luminaire junction box via 1/2" knock-out, and a tilemount sensor on 54-inch whip; for ceiling installation by direct-mount spring clips or via mounting bracket in octagon ceiling boxes.
- The WTA and WTK tilemount sensor kits may be ordered as factory installed on the luminaire, or ordered separately as a field installed accessory kit.
- **Note: WaveLinX PRO devices are only compatible with the WaveLinX PRO system.**
- **Note: WaveLinX LITE devices are only compatible with the WaveLinX LITE system.**

Junction Box

- Galvanized steel junction box
- 20 in³ internal volume excluding voltage barrier
- 25 in³ internal total volume
- Voltage barrier for 0-10V dimming wires (occupies one 1/2" pry-out space)
- Listed for eight #12 AWG (four in, four out) 90°C conductors and feed-thru branch wiring
- Three 1/2" and two 3/4" trade size pry-outs available
- Three 4-port push wire nuts for mains voltage with 1-port for fixture connection

Compliance

- cULus Certified to UL 1598 / C22.2 No. 250.0, suitable for damp locations and wet locations in covered ceilings only
- Emergency options provided with UL Listed emergency drivers to UL 924 / C22.2 No. 141, suitable for indoor/damp locations
- IP20 - Above finished ceiling; IP65 - Below finished ceiling
- Non-Insulated ceiling (Non-IC) rated for 2500, 3000, 3500, 4000, 4500, 5000, 5500, 6000 lumen models (insulation must be kept 3" from top and sides)
- Insulated ceiling (IC) rated for 500, 750, 1000, 1500, 2000 lumen models and suitable for direct contact with air permeable insulation* (IC models are also suitable for Non-IC installations)
- Non-IC marked spacing required for 4500, 5000, 5500, 6000 lumen models
 - Marked Spacing Center to Center of Adjacent Luminaires = 36"
 - Center of Luminaire to Building Member = 18"
 - Minimum overhead = 0.5"
- Airtight per ASTM-E283-04
- Suitable for use in clothes closets when installed in accordance with the NEC 410.16 spacing requirements
- EMI/RFI emissions FCC CFR Title 47 Part 15 Class A at 120/277V
- Contains no mercury or lead and RoHS compliant
- Photometric testing completed in accordance of IES LM-79-08
- Lumen maintenance projection in accordance of IES LM-80-08 and TM-21-11
- 500, 750, 1,000, 1,500 and 2,000 lumen, 90 CRI, ICAT models may be used to comply with State of California Title 24 residential code, per JA8 certification standards
- May be used to comply with State of California Title 24 non-residential code as a dimmable LED luminaire
- ENERGY STAR® certified, reference certified light fixtures database
- *Not for use in direct contact with spray foam insulation, consult NEMA LSD57-2013

Warranty

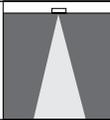
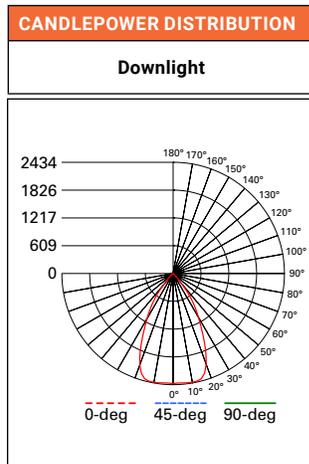
- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

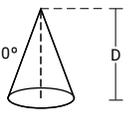
Photometric Data

[View IES files](#)

NARROW DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

NARROW (55° BEAM*)	
Test Number	P581878
Housing	HC620D010
Module	HM60525835
Reflector	61NDC
Lumens	2228 Lm
Efficacy	111.4 Lm/W
SC	0.93
UGR	11.7

CONE OF LIGHT				
				
MH	FC	L	W	
5.5'	80.2	5	5	
7'	49.5	6.4	6.4	
8'	37.9	7.4	7.4	
9'	30	8.2	8.2	
10'	24.3	9.2	9.2	
12'	16.9	11	11	

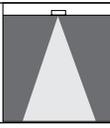
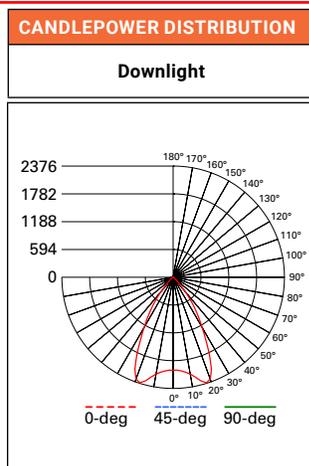
CANDELA TABLE	
Degrees Vertical	Candela
0	2427
5	2422
15	2405
25	1621
35	761
45	118
55	12
65	3
75	2
85	0
90	0

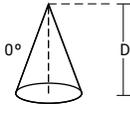
ZONAL LUMEN SUMMARY		
Zone	Lumens	% Fixture
0-30	1636	73.4
0-40	2098	94.2
0-60	2223	99.8
0-90	2228	100
90-180	0	0
0-180	2228	100

LUMINANCE	
Average Candela Degrees	Average 0° Luminance
45	9187
55	1118
65	376
75	318
85	0

MEDIUM DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

MEDIUM (60° BEAM*)	
Test Number	P581875
Housing	HC620D010
Module	HM60525835
Reflector	61MDC
Lumens	2307 Lm
Efficacy	115.3 Lm/W
SC	1.06
UGR	11.8

CONE OF LIGHT				
				
MH	FC	L	W	
5.5'	68.7	5.6	5.6	
7'	42.4	7.2	7.2	
8'	32.5	8.2	8.2	
9'	25.7	9.4	9.4	
10'	20.8	10.4	10.4	
12'	14.4	12.4	12.4	

CANDELA TABLE	
Degrees Vertical	Candela
0	1998
5	2022
15	2307
25	1842
35	796
45	126
55	15
65	4
75	2
85	0
90	0

ZONAL LUMEN SUMMARY		
Zone	Lumens	% Fixture
0-30	1671	72.4
0-40	2163	93.8
0-60	2301	99.7
0-90	2307	100
90-180	0	0
0-180	2307	100

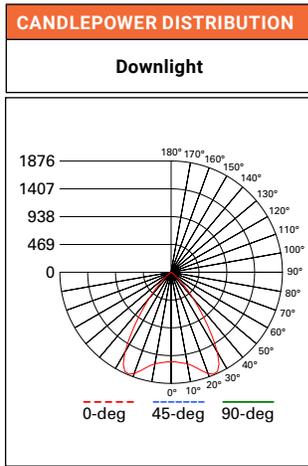
LUMINANCE	
Average Candela Degrees	Average 0° Luminance
45	9753
55	1395
65	571
75	318
85	0

Photometric Data

[View IES files](#)

WIDE DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

WIDE (65° BEAM*)	
Test Number	P581885
Housing	HC620D010
Module	HM60525835
Reflector	61WDC
Lumens	2359 Lm
Efficacy	118 Lm/W
SC	1.28
UGR	11.6



CONE OF LIGHT				
MH	FC	L	W	
5.5'	50.5	7	7	
7'	31.2	8.8	8.8	
8'	23.9	10.2	10.2	
9'	18.8	11.4	11.4	
10'	15.3	12.8	12.8	
12'	10.6	15.4	15.4	

CANDELA TABLE	
Degrees Vertical	Candela
0	1526
5	1540
15	1685
25	1861
35	1027
45	252
55	32
65	6
75	2
85	0
90	0

ZONAL LUMEN SUMMARY		
Zone	Lumens	% Fixture
0-30	1461	61.9
0-40	2105	89.2
0-60	2351	99.6
0-90	2359	100
90-180	0	0
0-180	2359	100

LUMINANCE	
Average Candela Degrees	Average 0° Luminance
45	19506
55	3078
65	765
75	318
85	0

*Value are nominal with specular clear reflectors, other finishes and field results may vary.
 SC = Spacing Criteria
 UGR = Unified Glare Rating

Photometric Multipliers (Nominal Lumen Values)

500 Lumen	750 Lumen	1000 Lumen	1500 Lumen	2000 Lumen	2500 Lumen	3000 Lumen	3500 Lumen
0.33	0.44	0.54	0.74	1.00	1.12	1.46	1.76

4000 Lumen	4500 Lumen	5000 Lumen	5500 Lumen	6000 Lumen
1.81	2.17	2.28	2.38	2.65

Multipliers for relative lumen values with other series models.

Color Finish Multipliers

Finish code	C	H	W/WB	BB
Finish	Specular Clear	Semi-Specular	Matte White White Baffle	Black Baffle
Multiplier	1.00	0.92	0.91	0.82

Multipliers for relative lumen values with other color finishes.

CCT Multipliers – 80CRI

2700K	3000K	3500K	4000K	5000K
0.92	0.98	1.00	1.03	1.03

Multipliers for relative lumen values with other series color temperatures.

CCT Multipliers – 90CRI

2700K	3000K	3500K	4000K	5000K
0.77	0.84	0.89	0.90	0.90

Multipliers for relative lumen values with other series color temperatures.

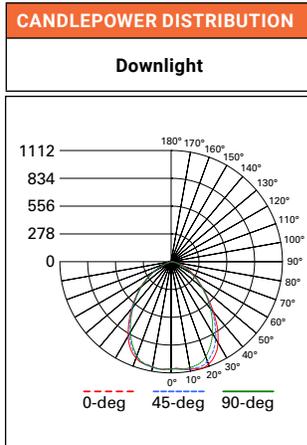
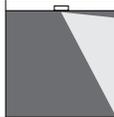
Note: Refer to IES files for more product data.

Photometric Data

[View IES files](#)

WALL WASH DISTRIBUTION - SPECULAR CLEAR FINISH, 2000 LUMEN MODEL, 80 CRI, 3500K

WALL WASH	
Test Number	P581882
Housing	HC620D010
Module	HM60525835
Reflector	61RWWC
Lumens	2179 Lm
Efficacy	109 Lm/W
SC	1.15



CANDELA TABLE	
Degrees Vertical	Candela
0	1080
5	1081
15	1112
25	1034
35	800
45	514
55	319
65	184
75	85
85	12
90	0

ZONAL LUMEN SUMMARY		
Zone	Lumens	% Fixture
0-30	849	39
0-40	1313	60.2
0-60	1978	90.8
0-90	2179	100
90-180	0	0
0-180	2179	100

LUMINANCE	
Average Candela Degrees	Average 0° Luminance
45	39810
55	30479
65	23907
75	17983
85	7359

SC = Spacing Criteria, nominal for specular clear reflector, other finishes and field results may vary.

SINGLE UNIT FOOTCANDLES								
2.5' from wall (distance from fixture along wall)								
1	19.3	13.8	6.1	2.2	0.7	0.3	0.1	
2	29.1	22.6	12.3	5.7	2.5	1.2	0.6	
3	27.6	22.5	13.8	7.3	3.7	1.9	1	
4	21	18.2	12.4	7.4	4.2	2.4	1.4	
5	14.4	13.1	9.9	6.6	4.1	2.5	1.6	
6	9.7	9.1	7.5	5.5	3.7	2.5	1.6	
7	6.7	6.4	5.5	4.3	3.2	2.2	1.5	
8	4.7	4.6	4.1	3.4	2.7	2	1.4	
9	3.4	3.3	3.1	2.7	2.2	1.7	1.3	
10	2.5	2.5	2.4	2.1	1.8	1.4	1.1	

MULTIPLE UNIT FOOTCANDLES								
2.5' from wall (Distance from fixture along 3')				2.5' from wall (Distance from fixture along 4')				
1	21.5	19.1	21.5	20	12.1	20		
2	34.7	34.4	34.7	31.6	24.6	31.6		
3	34.9	36	34.9	31.3	27.6	31.3		
4	28.4	30.7	28.4	25.2	24.8	25.2		
5	21	23.2	21	18.6	19.8	18.6		
6	15.2	16.8	15.2	13.4	15	13.4		
7	11	12	11	9.9	11	9.9		
8	8.1	8.7	8.1	7.4	8.2	7.4		
9	6.1	6.5	6.1	5.6	6.2	5.6		
10	4.6	4.9	4.6	4.3	4.7	4.3		

Photometric Multipliers (Nominal Lumen Values)

500 Lumen	750 Lumen	1000 Lumen	1500 Lumen	2000 Lumen	2500 Lumen	3000 Lumen	3500 Lumen
0.33	0.44	0.54	0.74	1.00	1.12	1.46	1.76

4000 Lumen	4500 Lumen	5000 Lumen	5500 Lumen	6000 Lumen
1.81	2.17	2.28	2.38	2.65

Multipliers for relative lumen values with other series models.

Color Finish Multipliers

Finish code	C	H	W/WB	BB
Finish	Specular Clear	Semi-Specular	Matte White White Baffle	Black Baffle
Multiplier	1.00	0.92	0.91	0.82

Multipliers for relative lumen values with other color finishes.

CCT Multipliers - 80CRI

2700K	3000K	3500K	4000K	5000K
0.92	0.98	1.00	1.03	1.03

Multipliers for relative lumen values with other series color temperatures.

CCT Multipliers - 90CRI

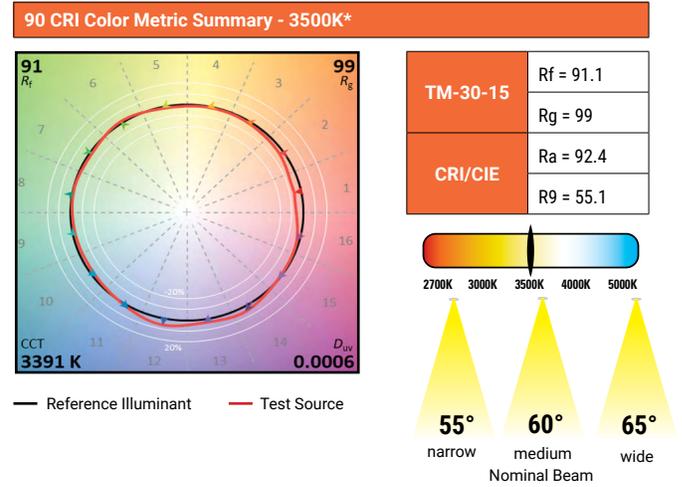
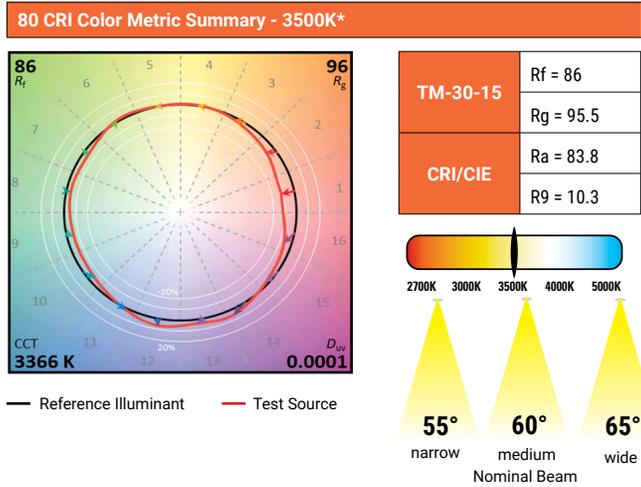
2700K	3000K	3500K	4000K	5000K
0.77	0.84	0.89	0.90	0.90

Multipliers for relative lumen values with other series color temperatures.

Note: Refer to IES files for more product data.

Energy & Performance Data

COLOR METRICS - TM-30-15 & CRI/CIE (3500K)



* Color values are based on 61WDWB reflector, other finishes and field results may vary.

ENERGY DATA

Series	500 lumen		750 lumen		1000 lumen		1500 lumen		2000 lumen	
	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V	120V	277V	120V	277V
Input Current (A)	0.051	0.026	0.067	0.036	0.083	0.039	0.119	0.053	0.171	0.077
Input Power (W)	6.1	6.5	7.9	8.3	10	10.4	14.5	14.5	20.9	20.6
In-rush (A)	1.9	8.4	2	8.4	2.2	8.5	2.7	8.5	2.1	9.7
Inrush duration (µs)	251	135	237	133	250	134	250	139	245	131
THD (%)	6.2	13.5	7.4	8.8	5.4	10.3	10	6.7	6.5	7.9
PF	≥ 0.99	≥ 0.9	≥ 0.98	≥ 0.92	≥ 0.99	≥ 0.95	≥ 0.99	≥ 0.97	≥ 0.99	≥ 0.96

Series	2500 lumen		3000 lumen		3500 lumen		4000 lumen		4500 lumen	
	120V	277V								
Input Voltage 120-277VAC	120V	277V								
Input Current (A)	0.23	0.103	0.24	0.107	0.292	0.152	0.351	0.159	0.384	0.172
Input Power (W)	27.5	27.5	28.6	28.5	34.6	35.1	42.1	42.1	45.9	45.6
In-rush (A)	2.5	5.6	2.5	11.6	3.4	13.9	3.1	14.7	3.1	14.8
Inrush duration (µs)	232	123	216	111	183	95	200	98	202	100
THD (%)	6.5	8.1	7.8	8.3	5.6	10	4.1	9.5	4.5	8.5
PF	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.93	≥ 0.99	≥ 0.94	≥ 0.99	≥ 0.95

Series	5000 lumen		5500 lumen		6000 lumen	
	120V	277V	120V	277V	120V	277V
Input Voltage 120-277VAC	120V	277V	120V	277V	120V	277V
Input Current (A)	0.419	0.186	0.457	0.201	0.489	0.214
Input Power (W)	50.1	49.5	54.6	53.7	58.4	57.4
In-rush (A)	3.1	15	3.2	14.8	3.4	14.8
Inrush duration (µs)	202	117	196	131	192	121
THD (%)	5.5	7.6	7	7.2	8.1	7.2
PF	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.96	≥ 0.99	≥ 0.97

Minimum starting temperature -30°C (-22°F)*
(Nominal input 120-277VAC & 100% of rated output power)

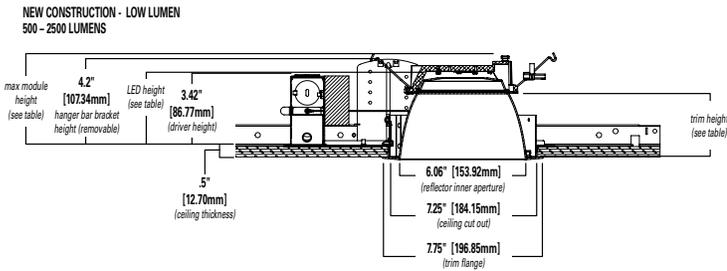
Sound Rating: Class A standards

Notes:

* Emergency Battery packs are rated for a minimum starting temperature of 0°C.

Dimensional and Mounting Details

NEW CONSTRUCTIONS - LOW LUMEN 500 – 2500 LUMENS



Low Lumen (500 – 2500 Lumens)*

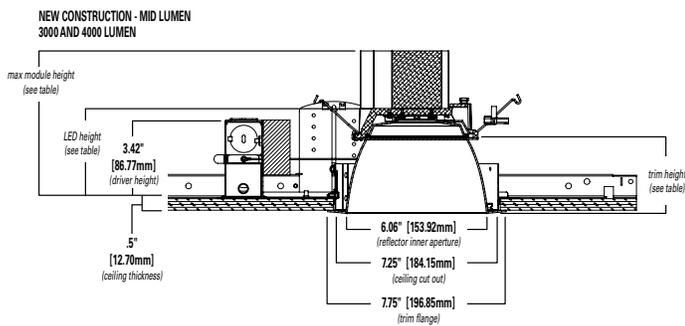
Distribution	Max. Module Height	Trim Height	LED Height
Narrow	4.5"	3.4"	3.8"
Medium	4.6"	3.5"	3.9"
Wide	4.4"	3.3"	3.7"
Baffle	4.4"	3.3"	3.7"



Low Lumen Module

*Max. height w/removable hanger bar bracket 4.2"

NEW CONSTRUCTIONS - MID LUMEN 3000 – 4000 LUMENS



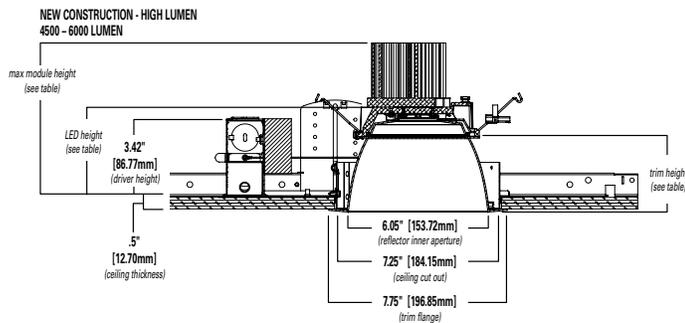
Mid Lumen (3000 – 4000 Lumens)

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	6.6"	3.4"	3.8"
Medium	6.7"	3.5"	3.9"
Wide	6.5"	3.3"	3.7"
Baffle	6.5"	3.3"	3.7"



Mid Lumen Module

NEW CONSTRUCTIONS - HIGH LUMEN 4500 – 6000 LUMENS



High Lumen (4500 – 6000 Lumens)

Distribution	Max. Module Height	Trim Height	LED Height
Narrow	6.9"	3.4"	3.8"
Medium	7.0"	3.5"	3.9"
Wide	6.8"	3.3"	3.7"
Baffle	6.8"	3.3"	3.7"



High Lumen Module

Connected Solutions

WaveLinx LITE - WTK Tilemount Sensor

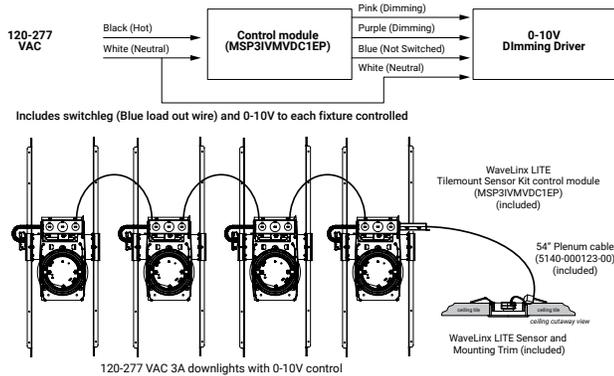
WaveLinx LITE devices only compatible with the WaveLinx LITE system.



- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinx LITE Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Automatic occupancy or vacancy, sensor sensitivity, daylight dimming, etc. configurable through the app
- Refer to the WaveLinx system specifications for details



WaveLinx LITE WTK Tilemount Wiring Diagram



WaveLinx LITE Bluetooth Enabled System



WaveLinx PRO – WTA Tilemount Sensor

WaveLinx PRO devices only compatible with the WaveLinx PRO system.



- WaveLinx PRO tilemount functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with Wireless Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building Network Installations

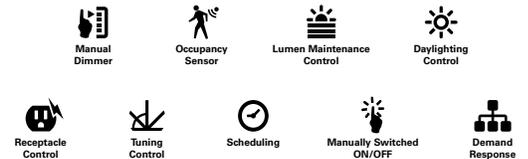
Downlights with tilemount sensor
Highly efficient LED fixtures

WaveLinx Area Controller
Provides centralized coordination of multiple area control options

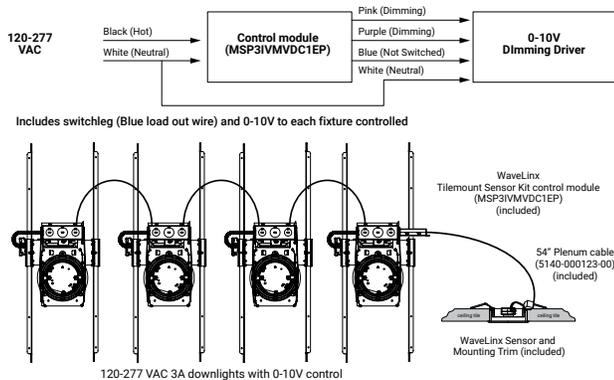
Wireless Wall Station/Receptacle
Provides customized wireless control of each area

Mobile Applications
Provides personalized, local control from a tablet or smartphone

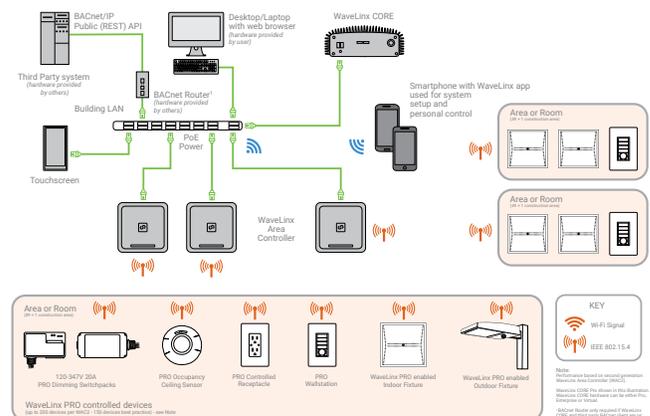
WaveLinx mobile app settings



WaveLinx WTA Tilemount Wiring Diagram



WaveLinx CORE Building Management Integration



Connected Solutions



WaveLinX LITE Wireless Node - WLN

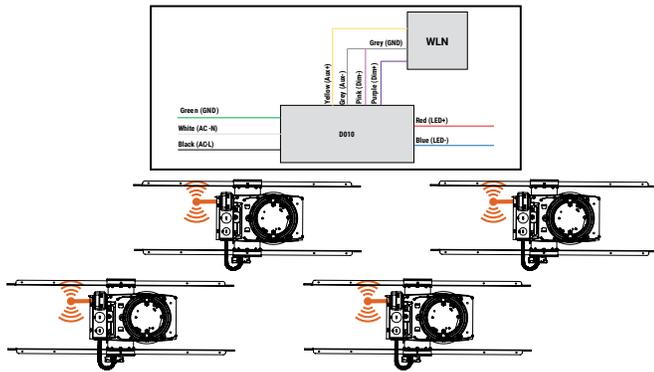
WaveLinX LITE devices only compatible with the WaveLinX LITE system.

- Intuitive Android™ or Apple® iOS® app for basic system code compliant set up and configuration via Bluetooth
- Up to 28 unique areas per project site (WaveLinX LITE Bluetooth network)
- Up to 50 devices for an area, any one of 16 control zones, up to 6 occupancy sets, and custom lighting scenes
- Refer to the WaveLinX system specifications for details

WaveLinX mobile app settings



WaveLinX LITE Wireless Node (WLN) Wiring Diagram



WaveLinX LITE Bluetooth Enabled System



WaveLinX PRO Wireless Node - WPN

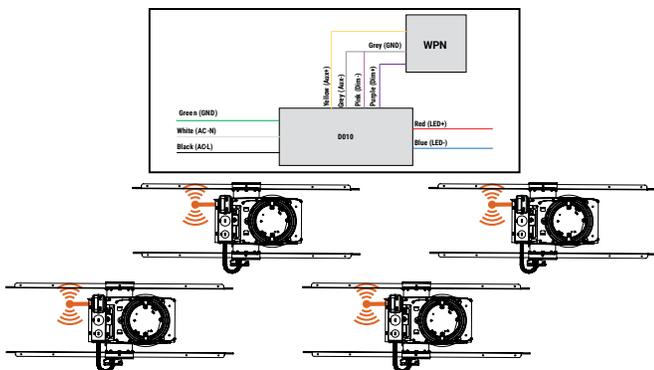
WaveLinX PRO devices only compatible with the WaveLinX PRO system.

- WaveLinX Wireless functionality configures zones and customizes settings from one secure mobile app
- Automatic code commissioning that meets the strictest codes
- Fixtures and sensors integrate with WaveLinX Area Controller, Wall Stations, and Control Devices
- Stand-Alone Offices or Entire Building Network Installations

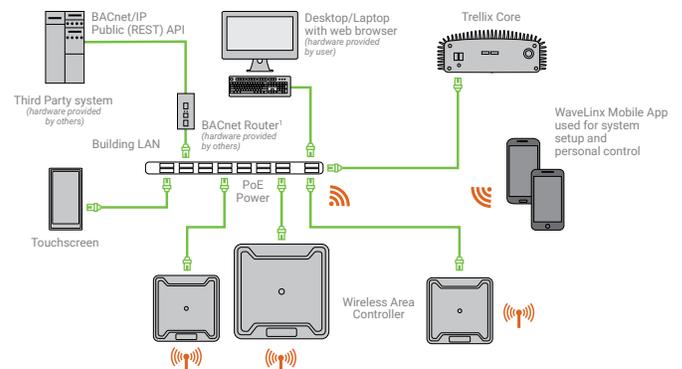
WaveLinX mobile app settings



WaveLinX PRO Wireless Node (WPN) Wiring Diagram

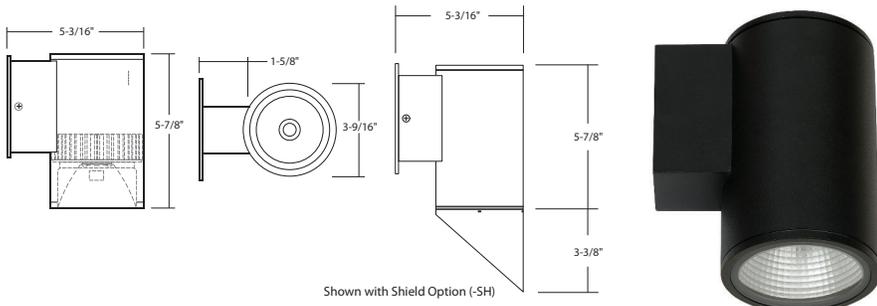


WaveLinX CORE Building Management Integration



WD1340 : 4" ROUND 1-DIRECTION

WALL MOUNT (IP65) 1000LM/1500LM (10W/15W)



- Uniform, low glare illumination
- Singular COB light source
- New integral emergency option
- UniDim™ dimming option with 2-wire incandescent, 3-wire, ELV or 0-10V controls
- 13' mtg. ht., 22' o.c. spacing (1000 lumen package)
- 25' mtg. ht., 22' o.c. spacing (1500 lumen package)
- 5-year limited warranty
- UniSense available
- Available with Type IV/Forward Throw Optics
- IK08 Rated
- New Die-Cast Mounting Plate (-WPDC4)

ORDERING : WD1340B-L15-CB35UE-D10-EMAC-T30

WD1340

Fixture	Finish	Lumen	Optics	Control	Emergency Options	LED	Options
Finish	Optics	Control³	Emergency Options	LED			
White (RAL 9003) W	<i>Standard Beams</i>	Non-Dimming (120V) Blank	None Blank	LED			
Silver (RAL 7037) S	Wide Flood Blank	ELV and Triac Dimming (120V) -DIN	Remote Emergency -EMAC	4000K Blank			
Bronze (RAL 8019) BZ	Narrow Spot -B10	0-10V Dimming (120V/277V) UE-D10	BackPack (Side Mount) -EMB-SD⁶	2700K (97 CRI) -T27-C97²			
Black (RAL 9005) B	Spot -B20	UniDim™ (120V/277V) UE-DUN	BackPack (Face Mount) -EMB-FC⁶	3000K -T30			
Light Silver (RAL 7036) LS¹	Flood -B45	0-10V 1% Dimming (120V/277V) UE-D10P1	BackPack (Empty, Side Mount) -EMB-BLANK-SD⁵	3000K (97 CRI) -T30-C97²			
Dark Grey (RAL 7015) DG¹	<i>CleanBeam™ Option</i>	UniSense - Remotely Mounted Motion/Photosensor (120V) -SUN-RMT	BackPack (Empty, Face Mount) -EMB-BLANK-FC⁵	3500K -T35			
Metallic Gold (RAL 1001) MG¹	10° Pencil Beam -CB10	UniSense - Remotely Mounted Motion/Photosensor (120V/277V) -SUN-RMT-1227	LED				
Metallic Black (RAL 7021) MB¹	20° Clean Beam -CB20	UniSense - Remotely Mounted Motion/Photosensor (120V/277V) -DCSM¹⁰	4000K Blank				
Lumen	35° Clean Beam -CB35	Casambi Wireless Dimming (120V/277V) -DBNT²	2700K (97 CRI) -T27-C97²				
1000lm (10W) Blank	<i>Specialty Beams</i>	BubblyNet Wireless System (120V/277V) -DSYN¹¹	3000K -T30				
1500lm (15W) -L15	Wall Wash -BWW	SimplySnap Wireless System (120V/277V) -DSYN¹¹	3500K -T35				
	Forward Throw (Type IV) -BIV		5000K -T50				
	Type II (30° x 60°) -BII²		Amber (590nm) -TAM⁸				
			RGB+W Control (24VDC) -RGBWV24⁷				

¹ Special Order Finish. Minimum order quantity (MOQ) applies. Orders less than MOQ are subject to a special paint set-up fee for the quantity ordered. Extended lead times may apply. Consult Factory.
² Special Order. Minimum order quantity (MOQ), extended lead time may apply. Consult Factory.
³ Standard driver minimum starting temperature is -10°C / 14°F.
⁴ Cold Weather Start (-CW) Starting Temperature -30°C / -22°F.
⁵ Blank EM enclosure available for non-EM units to provide a seamless design aesthetic when EM enabled products are installed.
⁶ (-EMB-SD) and (-EMB-FC) are not compatible with (-CW) option.
⁷ Remote Power Supplies and Control Gear required. Available with Wireless Bluetooth Casambi or DMX 512 control. Consult Factory.
⁸ (-TAM) 590nm AMBER must be ordered with Blank Lumen, (Blank) Wide Flood Optic and (-LVR) Hex-cell louver.
⁹ (-LVR) Hex-Cell Louver is not compatible with CleanBeam Options (-CB10), (-CB20), (-CB35).
¹⁰ Special Order. Must be ordered with -EMB-FC.
¹¹ Special Order. Must be ordered with -EMB-BLANK.

347 Input with 0-10V available. Consult Factory for details and lead time.
 Energy Efficient Chip-On-Board (COB) Singular LED Light source provides for smooth uniform light output, eliminating the multiple shadow effect seen by multiple LED source products.
 Binned with 3-Step MacAdam Ellipses as recommended by Ansi Standard. Available in 2700k, 3000k, 3500k, 4000k, 5000k, RGBW, and 590nm Amber.
 Custom RAL Color: Please note that we appreciate custom finishes. Custom finishes are subject to a special paint setup fee for the quantity ordered. Extended lead times may apply. Consult Factory.

COMPATABILITY



2025.1.17

SPECIFICATION

Application

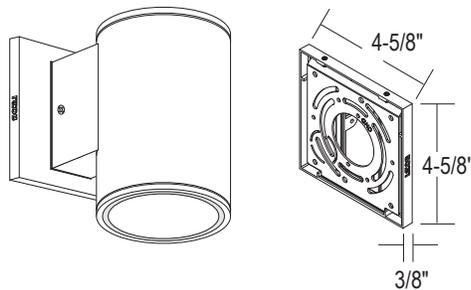
This WD1 series single direction wall mount luminaire can be used for both interior and outdoor locations. The single reflector design can be used for direct illumination downward or indirect illumination upward for new construction or retrofit installations. Typical locations are in residential, commercial, and architectural facades and retail spaces that contain walls and/or columns.

Housing/Arm

Housing is constructed from a round one piece high grade aluminum extrusion with a rectangular extrusion arm. Extrusions are 6061 alloy; <04% Cu. Faceplate (with a tempered, flush mounted, glass lens) and end caps are of a robust die cast aluminum alloy. The lens seals with a silicone O-ring and the Faceplate threads into Housing. An aluminum alloy mounting plate with a U-bracket installs onto an electrical junction box and secures into the arm with two (2) flat head countersunk phillips head stainless steel screws.

Mounting:

The standard mounting plate is a square 4-1/4" plate with a U-Bracket that installs directly onto 3-1/2" or 4" octagonal electrical junction box. (-WPDC4) is a die-cast oversized 4-5/8" plate with a flat bracket designed to mount directly onto a 4" square junction box or a 3-1/2" or 4" octagonal electrical box.



Finish:



A 7- stage electrostatic, polymer process provides an outdoor textured powder coat finish that delivers outstanding durability, superior anti-aging, resistance to corrosion and UV-degradation. Consult factory for Custom Color. (More Information)

Standard Finishes:

White: RAL 9003 (W)
 Silver: RAL 7037 (S)
 Bronze: RAL 8019 (BZ)
 Black: RAL 9005 (B)

Special Order Finishes:

Light Silver: RAL 7036 (LS)
 Dark Gray: RAL 7015 (DG)
 Metallic Gold: RAL 1001 (MG)
 Metallic Black: RAL 7021 (MB)

SPECIFICATION (Continued)

Certifications and Listings:



ETL / cETL Listed to UL1598 and UL8750 standards.

Suitable wet locations. (IP65)

Assembled in USA.

IK08 rated for impact resistance.

Caution:

LITON recommends use of surge protectors on the power entering LED Housings.
Surge damage is not covered by warranty.

Warranty

Covered by a 5-Year Warranty to be free of defects in materials and craftsmanship. Fixture should not be installed in applications with ambient temperature above 50°C/122°F. Doing so will result in reduced lamp life and voided warranty.

Optics

Multifaceted aluminum reflector produces low glare illumination with multiple light control options.

Standard Beam:

Used for maximum light output and visible field angle.

CleanBeam™:

Used for a direct uniform light output with minimized field angle and to enhance building aesthetics.

LED

COB (Chip on Board) singular LED light source provides for smooth, uniform light output, eliminating the imaging produced by multiple LED source optics.

Lumen Maintenance:

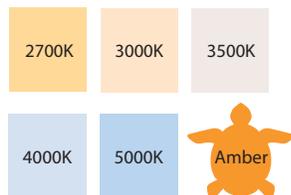
Lumen Maintenance is minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results.

Lumen Options (Nominal):

1000lm (10W)
1500lm (15W) (-L15)

Color Temperature:

Binned with 4-step MacAdam ellipses as per ANSI Standard recommendation.



COLOR TEMP:	2700K	3000K	3500K	4000K	5000K
CRI:	90, 97	90, 97	90	90	80

Amber: 590nm

SPECIFICATION (Continued)

Marine Grade

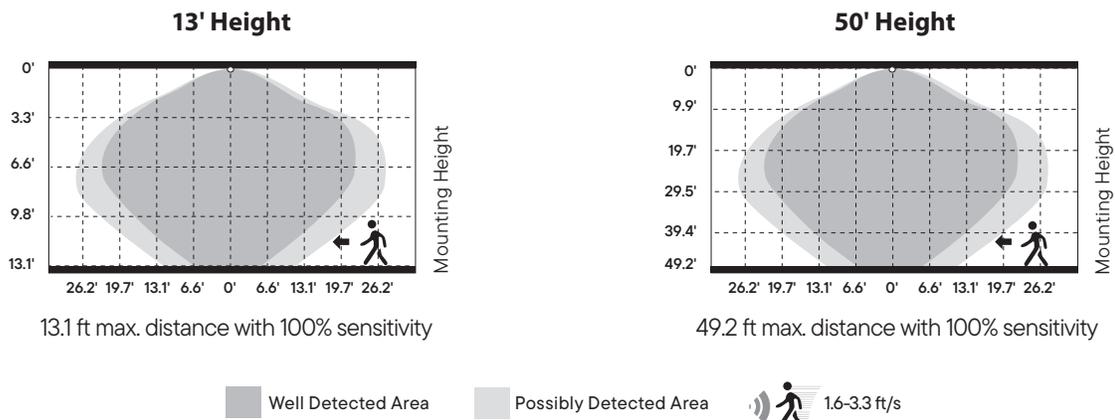
The fixture features a marine-grade textured powder coat finish engineered to withstand extreme environmental conditions, including prolonged exposure to UV radiation, salt air, and moisture, which are prevalent in coastal and high-humidity environments.

A multi-stage surface preparation, finishing, and curing process ensures maximum adhesion, durability, and corrosion resistance. The coating system undergoes rigorous salt spray (ASTM B117) testing, overbake resistance verification, and pencil hardness testing to validate its robustness against degradation.

The marine-grade powder coat is applied as a 30–50 µm bottom layer, providing a strong anti-corrosion foundation. This is further enhanced by a surface coat using a standard architectural-grade powder application with a total thickness of 80–120 µm, ensuring superior resistance to wear, impact, and environmental stressors.

Unisense™ PROGRAMMABLE MOTION + DAYLIGHT (-SUN-RMT, -SUN-RMT-1227)

- Microwave and PIR (Passive Infrared) sensors depending on option
- Daylight harvesting
- Dusk/dawn sensing capabilities
- Motion Sensor



SPECIFICATION (Continued)

RGB+W:



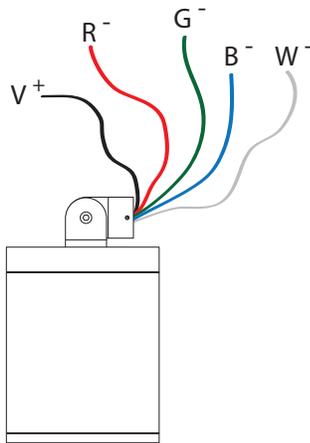
CASAMBI

15W RGB+W LED Module Illuminates surfaces up to 10 feet away. Used for applications desiring a dynamic color changing effect. RGB+W design allows fine-tuned pastel colors and saturated hues without sacrificing illumination brightness. Can be set for static colors or dynamic shows. Multiple control options available with either CASAMBI Wireless Bluetooth control or DMX 512 remote mounted decoders.

On-site commissioning and programming available.

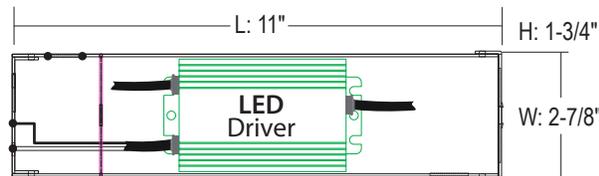
Consult Factory for Layout Assistance and Lead Times.

COLOR	CCT/WAVELENGTH	POWER
Red	640nm	3.1W
Green	520nm	3.1W
Blue	450nm	3.1W
White	2700K	3.1W

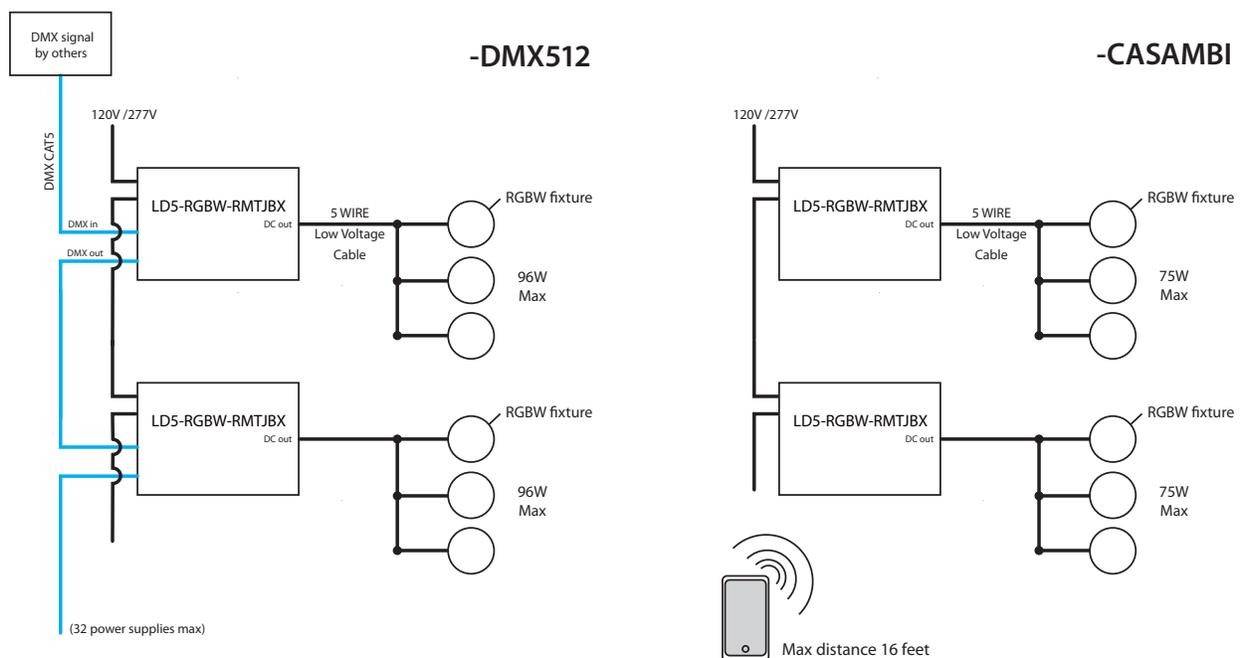


WIRED

Remote Power Supply	Controls	Wattage
LD5-RGBW-RMTJBX	Remote Mounted Decoder -DMX512	15W -W15
	Wireless Bluetooth Control -CASAMBI	30W -W30
		60W -W60
		96W -W96



Junction Box Dimensions: 11" x 2-7/8" x 1-3/4" (LxWxH)



NOTE: Power supply must be placed in dry locations only. 100 feet max for 5 wire low voltage cable 18AWG.

SPECIFICATION (Continued)

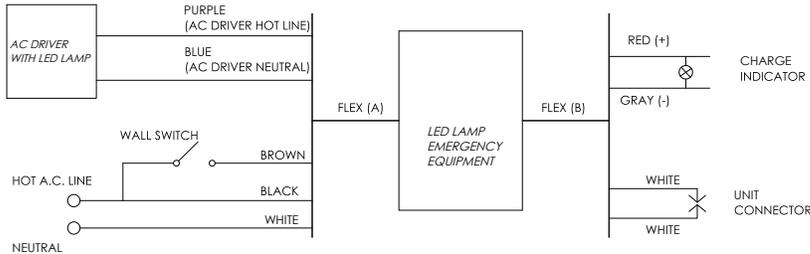
REMOTE LOCATION EMERGENCY INVERTER (-EMAC): 25W and 40W

For installation away from the surface of the building in remote hidden location.

- Hidden Emergency Equipment
- Must be installed in Dry Locations
- Wattage package will determine if 25W or 40W battery gets sent; corresponding wiring diagrams below
- 170 VDC output to AC DRIVER during EM mode

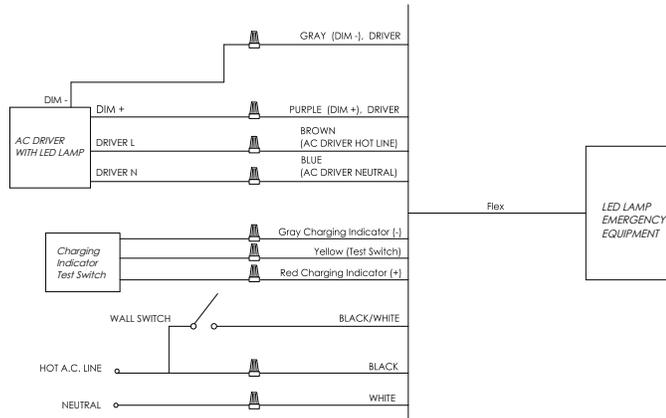
Not rated for outdoor mounting. Damp location rated.

<25W LOAD



Input Voltage:	120-277VAC/60Hz
Output Voltage:	170VDC (120VAC Equivalent)
Wattage:	25W
Switching Time:	<1s
Charging Time:	24h
Operating Time:	90 minutes
Minimum Temperature:	0°C
Maximum Temperature:	50°C
Maximum Lumens:	2200lm
Self-Diagnostic:	No

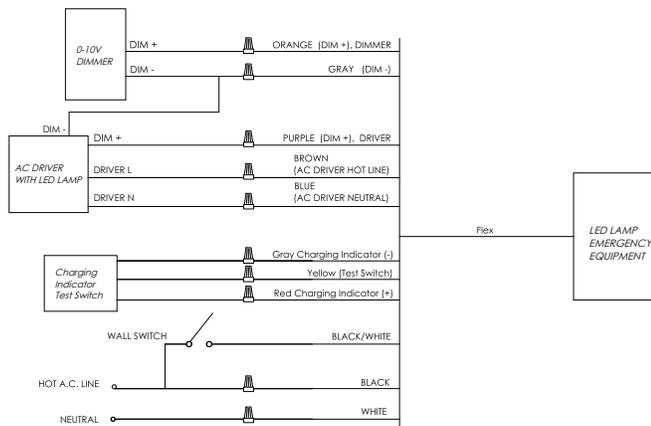
<40W LOAD



Input Voltage:	120-277VAC/60Hz
Output Voltage:	170VDC (120VAC Equivalent)
Wattage:	40W
Switching Time:	<1s
Charging Time:	24h
Operating Time:	90 minutes
Minimum Temperature:	0°C
Maximum Temperature:	50°C
Maximum Lumens:	3500lm
Self-Diagnostic:	Yes

>40W LOAD

- 0-10V dimmable driver required



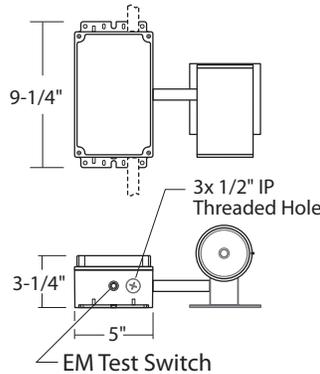
SPECIFICATION (Continued)

BackPack Side Mount (-EMB-SD/FC):

Eliminates need for long runs back to remote emergency battery location. Installs directly on building surface. Ideal for locations wanting same mounting aesthetics for Emergency and Non-Emergency fixtures without the use of remote Emergency power. Can be fed from recessed wall mounted junction box from the back of fixture or surface conduit from side of fixture.

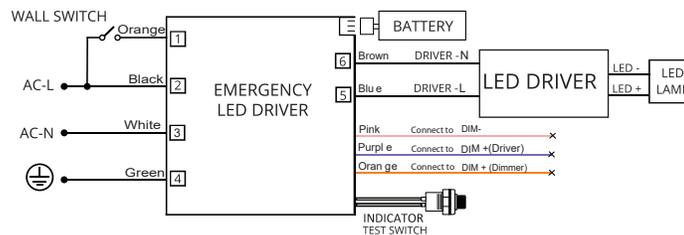


- Wet location rated.
- 120V-347V operation.
- Self diagnostic.
- Integral surge protector for emergency driver only.
- Includes (2) 1/2" NPT knock-outs.
- Optional -EMB-BLANK can be used to maintain a common aesthetic when -EMB-FC are used.

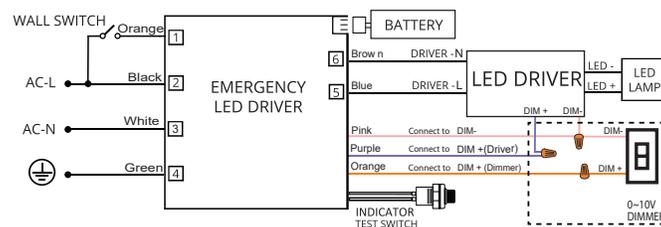


Output Power:	18 Watts (Max)
Input Power:	7 Watts (Max)
Emergency Operation:	≥90 minutes
Operating temp:	0°C/32°F to 50°C/122°F
Input Voltage:	120V-347 VAC
Battery:	Recyclable lithium battery 24 Hour Recharge 7-10 Year Life Expectancy
Charge Time:	24 hours
Max Distance:	25'
Weight:	3-3/4 lbs.
Warranty:	5-year
Surge Protection:	Integral 3,000V
Self-diagnostic testing:	Monthly 30 sec. test, Yearly 90 min. test to verify proper emergency operation per life safety code requirements.

(<18W)



(18W-200W)



SPECIFICATION (Continued)

Additional Options

Hexcell Louver (-LVR):

3 mm /.125" (size of the cells) - matte black finish, 45° glare cutoff, unframed.



Photocell (/SDL):

Sensor enables automatic on/off operation based on ambient light levels, providing dusk-to-dawn functionality.

Power Consumption .5W

Voltage: 120V, 277V

On/Off Levels: On @ 0-2fc / Off @ 2fc or more

Warranty: 2-Year / 5,000 Cycles

Sensor Size: 3/8"

Rating: UL/cUL



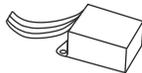
Surge Suppressor (/SRG):

Protects driver against surges in line voltage/current (20KV, 1.2/50µS & 10KA, 8/20µS).

Provides a positive indication of end-of-life by opening voltage to the load.

Surge suppressor is a perishable device requiring periodic replacement.

Not a warrantied item.



SPECIFICATION (Continued)

Electrical

LED Driver: AC 50/60Hz Electronic Direct Current Class 2 driver integrally mounted.
 Power Factor > 0.90. See Dimming Section for voltage and wiring.

Minimum Operating Temperature:
 Standard: -10°C/14°F
 Cold Weather Option: (-CW) -30°C/-22°F

Control Options

ELV and TRIAC Driver 120V (-DIN):

Compatible with electronic low voltage, and 2-Wire incandescent dimmers. Also known as leading edge, Reverse Phase, Forward Phase dimming. Allows smooth dimming down to 5% depending upon the dimmer's limitations.

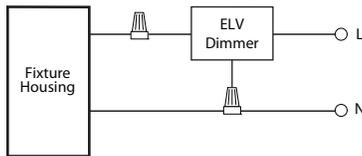
0-10V Driver 120V/277V (UE-D10):

Compatible with most existing 0-10V systems. Also known as fluorescent or 5-Wire dimming. Allows smooth dimming down to 5% depending upon the dimmer's limitations. Compatible with daylight harvesting controls.

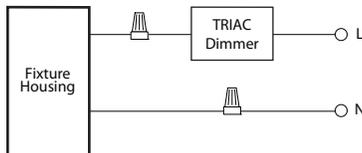
UniDim™ Driver 120V/277V (UE-DUN):

All in one ELV and TRIAC phase dimming (120V only), and 0-10V dimming (120V/277V). Works with most 3-Wire ELV, 2-Wire incandescent and 120V/277V 5-Wire 0-10V fluorescent dimmers.

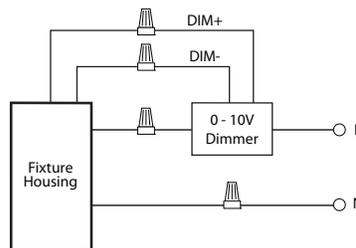
Incandescent/Phase Wiring
ELV



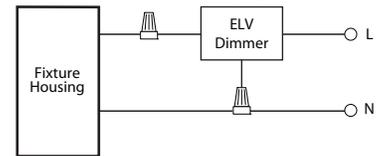
TRIAC



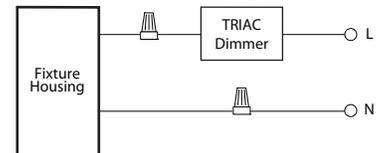
0 - 10V Wiring



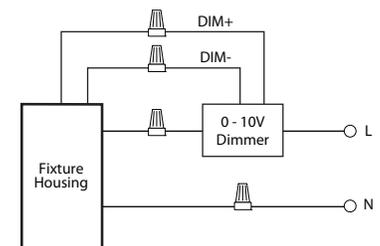
Incandescent/Phase Wiring
ELV



TRIAC



0 - 10V Wiring

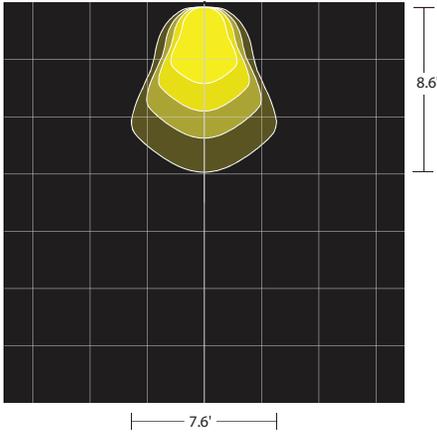


WD1340 (L15) PHOTOMETRY

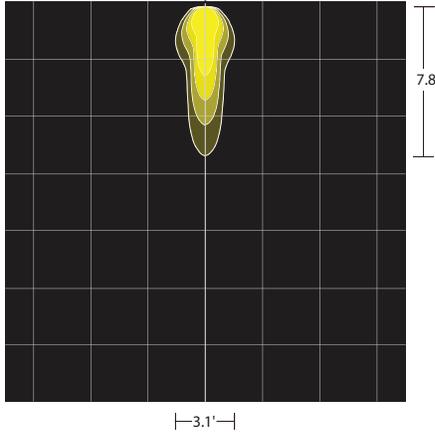
Footcandles On Wall

■ .5 fc ■ 1.0 fc ■ 2.0 fc ■ 5.0 fc

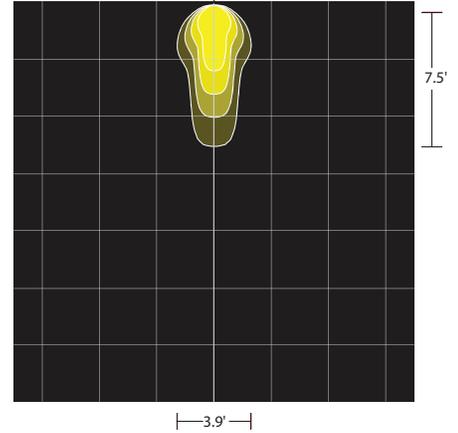
STANDARD BEAM – Wide Flood (Blank)
3 ft Grid



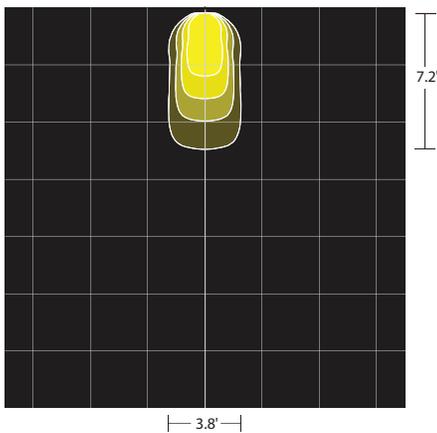
CLEANBEAM™ – (-B02)
3 ft Grid



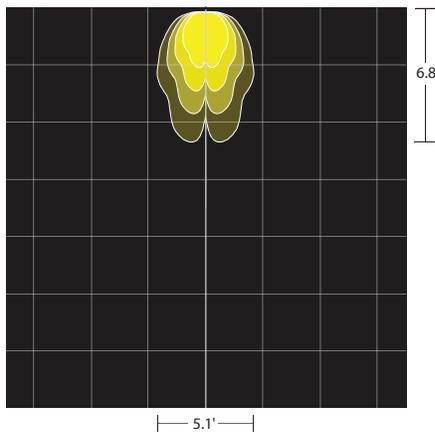
CLEANBEAM™ – (-CB20)
3 ft Grid



CLEANBEAM™ – (-CB35)
3 ft Grid



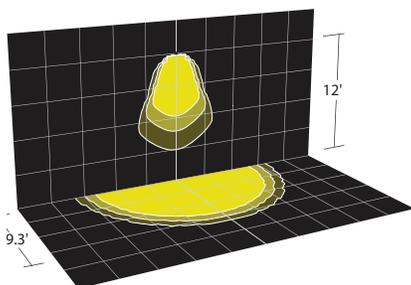
SPECIALTY BEAM – Wall Wash (-BWW)
3 ft Grid



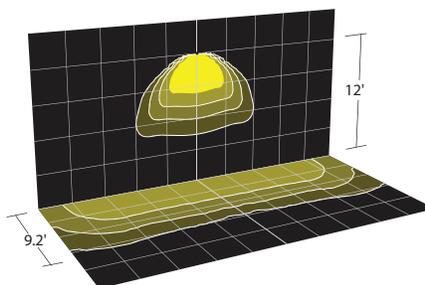
FOOTCANDLES ON WALL AND GROUND

■ .5 fc ■ 1.0 fc ■ 2.0 fc ■ 5.0 fc

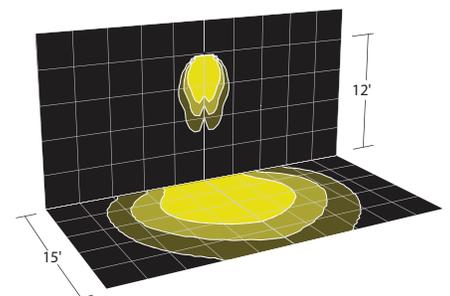
STANDARD BEAM – Wide Flood (Blank)
3 ft Grid



SPECIALTY BEAM – Type II (-BII)
3 ft Grid



SPECIALTY BEAM – Type IV (-BIV)
3 ft Grid



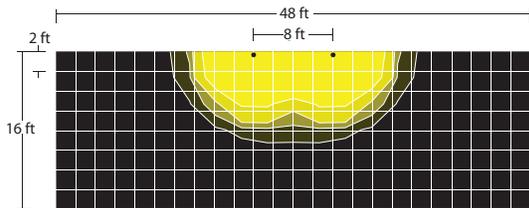
2023.07.17

PHOTOMETRY – WD1340 (L15) (Cont.)

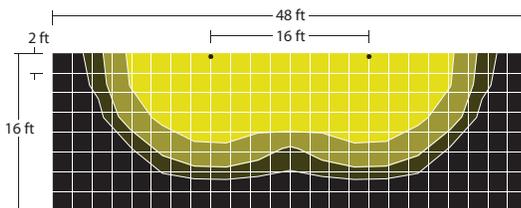
Footcandles On Ground (2 - Fixture Overlap)

■ .5 fc ■ 1.0 fc ■ 2.0 fc ■ 5.0 fc

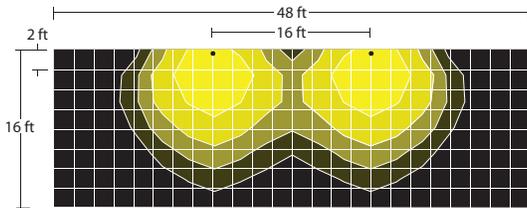
STANDARD BEAM – WIDE FLOOD 8 ft Mtg Ht



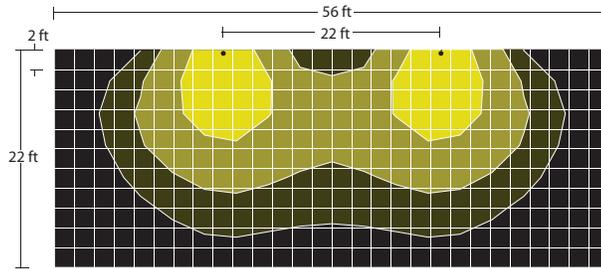
STANDARD BEAM – WIDE FLOOD 16 ft Mtg Ht



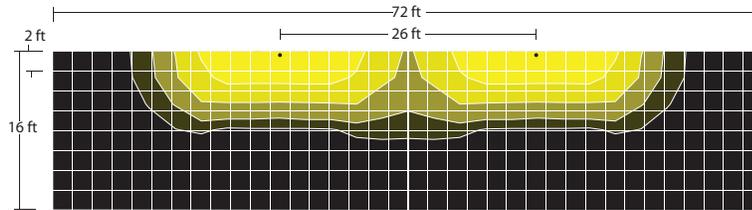
SPECIALTY BEAM – TYPE IV (-BIV) 8 ft Mtg Ht



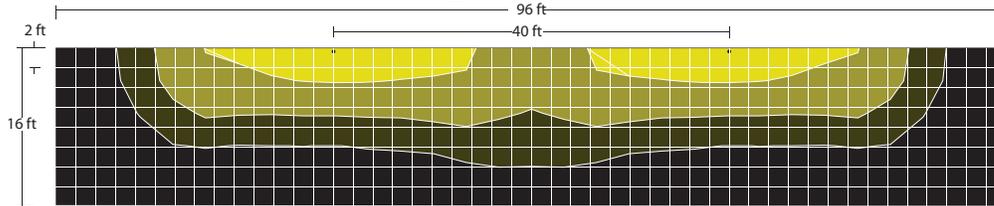
SPECIALTY BEAM – TYPE IV (-BIV) 16 ft Mtg Ht



SPECIALTY BEAM – TYPE II (-BII) 8 ft Mtg Ht



SPECIALTY BEAM – TYPE II (-BII) 16 ft Mtg Ht



LUMEN OUTPUT / LPW /BUG RATING

LM	W	Beam Spread	-T27 (2700K, 90 CRI)						-T30 (3000K, 90 CRI)						-T35 (3500K, 90 CRI)						Blank (4000K, 90 CRI)						-T50 (5000K, 80 CRI)					
			LM	LPW	cd	B	U	G	LM	L/W	cd	B	U	G	LM	LPW	cd	B	U	G	LM	LPW	cd	B	U	G	LM	LPW	cd	B	U	G
1000 lm	13.9	Wide FL	594	43	788	1	0	0	841	60	821	1	0	0	852	61	832	1	0	0	854	61	834	1	0	0	1018	73	994	1	0	0
		-B02	175	13	569	0	0	0	250	18	593	0	0	0	254	18	601	0	0	0	254	18	602	0	0	0	303	22	717	0	0	0
		-CB20	284	20	660	1	0	0	406	29	687	1	0	0	411	30	697	1	0	0	412	30	698	1	0	0	491	35	832	1	0	0
		-CB35	360	26	598	1	0	0	513	37	622	1	0	0	520	37	631	1	0	0	521	37	632	1	0	0	621	45	753	1	0	0
		-B10	750	54	11642	1	0	0	1070	77	12120	1	0	0	1085	78	12290	1	0	0	1087	78	12313	1	0	0	1295	93	14674	1	0	0
		-B20	682	49	4355	1	0	0	1043	75	4534	1	0	0	1058	76	4597	1	0	0	1060	76	4606	1	0	0	1263	91	5489	1	0	0
		-B45	755	54	1913	1	0	0	1026	74	1991	1	0	0	1040	75	2019	1	0	0	1042	75	2023	1	0	0	1242	89	2411	1	0	0
		-BII	694	50	754	2	0	0	989	71	784	2	0	0	1003	72	795	2	0	0	1005	72	797	2	0	0	1198	86	950	2	0	0
		-BWW	596	43	703	1	0	0	850	61	732	1	0	0	862	62	743	1	0	0	864	62	744	1	0	0	1030	74	887	1	0	0
-BIV	596	43	703	1	0	0	850	61	732	1	0	0	862	62	743	1	0	0	864	62	744	1	0	0	1030	74	887	1	0	0		
-L15 (1500 lm)	20.6	Wide FL	1440	70	1057	1	0	0	1499	73	1100	1	0	0	1520	74	1116	1	0	0	1523	74	1118	1	0	0	1815	88	1332	1	0	0
		-B02	429	21	780	1	1	0	447	22	812	1	1	0	453	22	823	1	1	0	454	22	825	1	1	0	541	26	983	1	1	0
		-CB20	691	34	902	1	0	0	719	35	939	1	0	0	729	35	952	1	0	0	731	35	954	1	0	0	871	42	1137	1	0	0
		-CB35	874	42	814	1	0	0	910	44	847	1	0	0	923	45	859	1	0	0	924	45	861	1	0	0	1102	53	1026	1	0	0
		-B10	1808	88	15548	1	0	0	1882	91	16187	1	0	0	1909	93	16414	1	0	0	1912	93	16445	1	0	0	2279	111	19598	1	0	0
		-B20	1757	85	5768	2	0	0	1830	89	6005	2	0	0	1855	90	6089	2	0	0	1859	90	6101	2	0	0	2215	108	7271	2	0	0
		-B45	1313	64	2549	2	0	0	1367	66	2654	2	0	0	1386	67	2691	2	0	0	1389	67	2696	2	0	0	1655	80	3213	2	0	0
		-BII	1686	82	1029	2	0	0	1756	85	1071	2	0	0	1780	86	1086	2	0	0	1784	87	1088	2	0	0	2126	103	1297	2	0	0
		-BWW	1131	55	748	1	0	0	1177	57	779	1	0	0	1194	58	789	1	0	0	1196	58	791	1	0	0	1423	69	941	1	0	0
-BIV	1131	55	748	1	0	0	1177	57	779	1	0	0	1194	58	789	1	0	0	1196	58	791	1	0	0	1425	69	943	1	0	0		

Project		Catalog #		Type	
Prepared by		Notes		Date	



Lumark

Prevail LED

Area / Site Luminaire

Product Features



Interactive Menu

- Ordering Information [page 2](#)
- Mounting Details [page 3, 4](#)
- Optical Configurations [page 5](#)
- Product Specifications [page 5](#)
- Energy and Performance Data [page 6, 7](#)
- Control Options [page 8](#)

Product Certifications



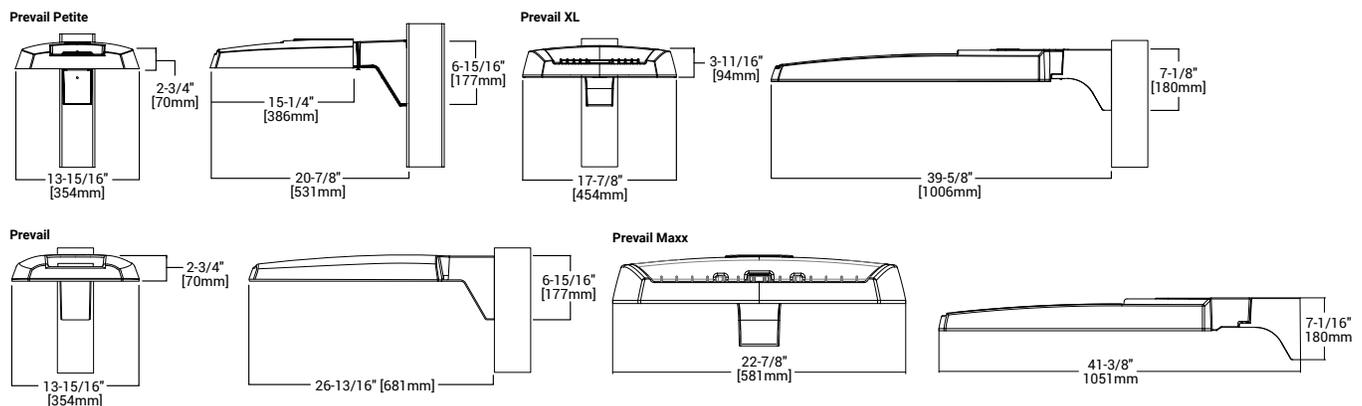
Quick Facts

- Lumen packages range from 4,800 - 84,000 lumens (35W - 588W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 160 lumens per watt
- Energy and maintenance savings up to 85% versus HID solutions
- Standard universal quick mount arm with universal drill pattern

Connected Systems

- WaveLinx PRO Wireless
- WaveLinx LITE Wireless

Dimensional Details



NOTES:
 1. Visit <https://www.designlights.org/search/> to confirm qualification. Not all product variations are DLC qualified.
 2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: PRV-XL-C75-D-UNV-T4-SA-BZ

TYPE SC
TYPE SA

Product Family ^{1,2}	Light Engine ⁴	Color Temperature	Driver	Voltage	Distribution	Mounting	Color
PRV-P=Prevail Petite BAA-PRV-P=Prevail Petite BAA Compliant ³ TAA-PRV-P=Prevail Petite TAA Compliant ³	C10=(1 LED) 4,900 Nominal Lumens C15=(1 LED) 6,900 Nominal Lumens C20=(1 LED) 9,800 Nominal Lumens C25=(1 LED) 11,800 Nominal Lumens	740=70CRI, 4000K 727=70CRI, 2700K 730=70CRI, 3000K 750=70CRI, 5000K 8540=85CRI, 4000K	D=Dimming (0-10V)	UNV=Universal (120-277V) H=High Voltage, 347-480V 8=480V ⁵ 9=347V DV=DuraVolt (277-480V) ^{5,6}	T2=Type II T3=Type III T4=Type IV T5=Type V	SA=QM Standard Versatile Arm MA=QM Mast Arm FMA= Fixed Mast Arm ²⁷ WM=QM Wall Mount Arm ADJA-WM=Adjustable Arm-Wall Mount ²⁹ ADJA=Adjustable Arm-Pole Mount ²⁹ ADJS=Adjustable Arm-Slipfitter, 3" vertical tenon ²⁹ SP2=Adjustable Arm-Slipfitter, 2 3/8" vertical tenon ^{27,29}	BZ=Bronze AP=Grey BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White
PRV=Prevail BAA-PRV=Prevail BAA Compliant ³ TAA-PRV=Prevail TAA Compliant ³	C15=(1 LED) 7,100 Nominal Lumens C25=(2 LEDs) 13,100 Nominal Lumens C40=(2 LEDs) 17,100 Nominal Lumens C60=(2 LEDs) 20,000 Nominal Lumens						
PRV-XL=Prevail XL BAA-PRV-XL=Prevail XL BAA Compliant ³ TAA-PRV-XL=Prevail XL TAA Compliant ³	C75=(4 LED) 26,100 Nominal Lumens C100=(4 LED) 31,000 Nominal Lumens C125=(4 LED) 36,000 Nominal Lumens C150=(6 LED) 41,100 Nominal Lumens C175=(6 LED) 48,600 Nominal Lumens						
PRV-M=Prevail Maxx BAA-PRV-M=Prevail Maxx BAA Compliant ³ TAA-PRV-M=Prevail MaxxTAA Compliant ³	C200=(9 LED) 48,000 Nominal Lumens C225=(9 LED) 56,000 Nominal Lumens C250=(9 LED) 65,000 Nominal Lumens C275=(9 LED) 73,000 Nominal Lumens						

TYPE SC & SD
TYPE SA & SB
TYPE SG

TYPE SB,SD & SG

Options (Add as Suffix)

Accessories (Order Separately) ^{20,21}

7030=70 CRI / 3000K CCT ⁷ 7050=70 CRI / 5000K CCT ⁷ CC=Coastal Construction finish ¹⁰ HSS=House Side Shield ⁸ RO=Optics Rotated 90° Left R90=Optics Rotated 90° Right 10K=10KV/10KA UL 1449 Fused Surge Protective Device 20MSP=20KV MOV Surge Protective Device 20K=20KV UL 1449 Fused Surge Protective Device HA=50°C High Ambient Temperature ⁹ PR=NEMA 3-PIN Twistlock Photocontrol Receptacle ¹¹ PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle ¹¹ FADC=Field Adjustable Dimming Controller ³⁰ MS/DIM-L08=Dimming Motion and Daylight Sensor, IR Remote Programmable, < 8' Mounting Height ^{12,13} MS/DIM-L20=Dimming Motion and Daylight Sensor, IR Remote Programmable, 8' - 20' Mounting Height ^{12,13} MS/DIM-L40=Dimming Motion and Daylight Sensor, IR Remote Programmable, 21' - 40' Mounting Height ^{12,13}	SPB1=Dimming Motion and Daylight Sensor, Bluetooth Programmable, < 8' Mounting Height ^{12,14} SPB2=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 8' - 20' Mounting Height ^{12,14} SPB4=Dimming Motion and Daylight Sensor, Bluetooth Programmable, 21' - 40' Mounting Height ^{12,14,27,28} WPS2XX=WaveLinX Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting ^{12,15,16,17} WPS4XX=WaveLinX Pro, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting ^{12,15,16,17} WLS2XX=WaveLinX Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 7' - 15' Mounting ^{12,15,16,17} WLS4XX=WaveLinX Lite, SR Driver, Dimming Motion and Daylight, Bluetooth Programmable, 15' - 40' Mounting ^{12,15,16,17} (See Table Below)=LumenSafe Integrated Network Security Camera ^{18,19}	PRVSA-XX=Standard Arm Mounting Kit ²² PRVMA-XX=Mast Arm Mounting Kit ²² PRVWM-XX=Wall Mount Kit ²² PRV-ADJA-XX=Adjustable Arm - Pole Mount Kit ²² PRV-ADJS-XX=Adjustable Arm - Slipfitter Kit ²² PRV-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit ²² PRVXLSA-XX=Standard Arm Mounting Kit ²⁸ PRVXLMA-XX=Mast Arm Mounting Kit ²⁸ PRVXLWM-XX=Wall Mount Kit ²⁸ PRV-XL-ADJA-XX=Adjustable Arm - Pole Mount Kit ²⁸ PRV-XL-ADJS-XX=Adjustable Arm - Slipfitter Kit ²⁸ PRV-XL-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit ²⁸ PRV-M-ADJA-XX=Adjustable Arm - Pole Mount Kit ²⁷ PRV-M-ADJS-XX=Adjustable Arm - Slipfitter Kit ²⁷ PRV-M-ADJA-WM-XX=Adjustable Arm - Wall Mount Kit ²⁷ MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1011-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon	MA1017-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1018-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon SRA238=Tenon Adapter from 3" to 2-3/8" PRV/COB-FDV=Full Drop Visor ²³ PRVXL/COB-FDV=Full Drop Visor ¹⁸ HS/VERD=House Side Shield Kit ^{8,24} VGS-F/B=Vertical Glare Shield Kit, Front/Back ²⁴ VGS-SIDE=Vertical Glare Shield Kit, Side ²⁴ OA/RA1013=Photocontrol Shorting Cap OA/RA1014=NEMA Photocontrol - 120V OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V OA/RA1201=NEMA Photocontrol - 347V OA/RA1027=NEMA Photocontrol - 480V FSIR-100=Wireless Configuration Tool for Occupancy Sensor ²⁵ WOLC-7P-10A=WaveLinX Outdoor Control Module (7-PIN) ²⁶
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TYPE SA,SB,SC & SD

NOTES:

- DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
- Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to installation instructions I8500002EN and pole white paper WP513001EN for additional support information.
- Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC.PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
- Standard 4000K CCT and 70CRI.
- 480V not to be used with ungrounded or impedance grounded systems.
- DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
- Use dedicated IES files on product website for non-standard CCTs.
- House Side Shield not suitable with T5 distribution. Not available with PRV-C60 lumen package.
- Not available with PRV-C60 lumen package. Not available with PRV-P-C25 lumen package.
- Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
- If DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used.
- Controls system is not available in combination with a photocontrol receptacle (PR & PER7) or another controls system (MS or SPB). Option not available with DuraVolt (DV) voltage option.
- Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately.
- Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details.
- Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F).
- For the device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinX system and software and requires system components to be installed for operation. See website for more WaveLinX application information.
- Replace XX with sensor color (WH, BZ, or BK).
- Only available in PRV-XL configurations C75, C100, C125, C150, or C175.
- Not available with 347V, 480V, DV, or HA options. Consult LumenSafe system product pages for additional details and compatibility information.
- Replace XX with paint color.
- For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
- Not for use with PRV-XL or PRV-M configurations.
- Only for use with PRV. Not applicable to PRV-M, PRV-XL, or PRV-P.
- Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 4, 6 or 9).
- This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
- Requires 7-PIN NEMA twistlock photocontrol receptacle (PR & PER7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS or LWR). Operates on 120-347V input voltages.
- Only for use with PRV-M configurations.
- Only for use with PRV-XL configurations.
- Fixed for PRV-M.
- Cannot be used with PR7 or other motion response control options

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul		
L=LumenSafe Technology	H=Dome Camera, High Res Z=Dome Camera, Remote PTZ	C=Cellular, Customer Installed SIM Card A=Cellular, Factory Installed AT&T SIM Card	V=Cellular, Factory Installed Verizon SIM Card S=Cellular, Factory Installed Sprint SIM Card	E=Ethernet Networking

Stock Ordering Information

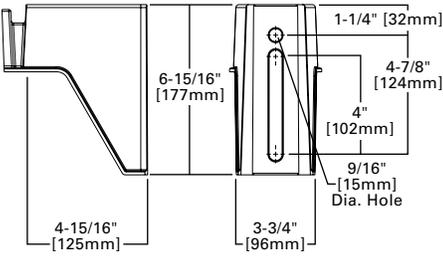
Product Family ¹	Light Engine	Voltage	Distribution
PRVS=Prevail	C15=(1 LED) 7,100 Nominal Lumens C25=(2 LEDs) 13,100 Nominal Lumens C40=(2 LEDs) 17,100 Nominal Lumens C60=(2 LEDs) 20,000 Nominal Lumens	UNV=Universal (120-277V) 347=347V ²	T3=Type III T4=Type IV
PRVS-XL=Prevail XL	C75=(4 LED) 26,100 Nominal Lumens C100=(4 LED) 31,000 Nominal Lumens C125=(4 LED) 36,000 Nominal Lumens C150=(6 LED) 41,100 Nominal Lumens C175=(6 LED) 48,600 Nominal Lumens		

NOTES:

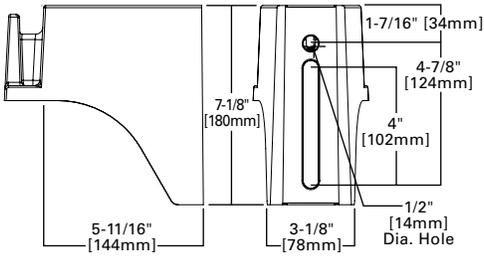
- All stock configurations are standard 4000K/70CRI, bronze finish, and include the standard versatile mounting arm.
- Only available in PRVS configurations C15, C25, C40 or C60.

Mounting Details

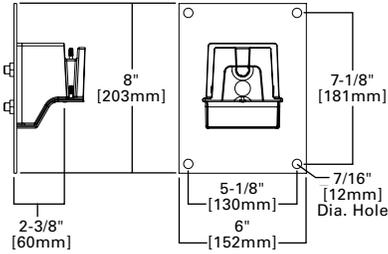
SA=QM Pole Mount Arm (PRV & PRV-P)



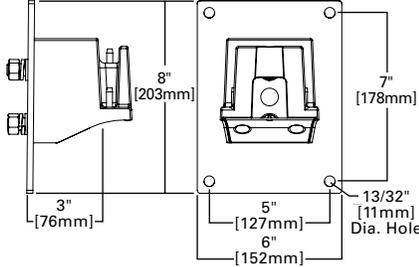
SA=QM Pole Mount Arm (PRV-XL)



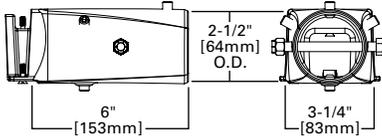
WM=QM Wall Mount Arm (PRV & PRV-P)



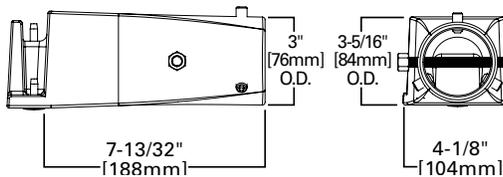
WM=QM Wall Mount Arm (PRV-XL)



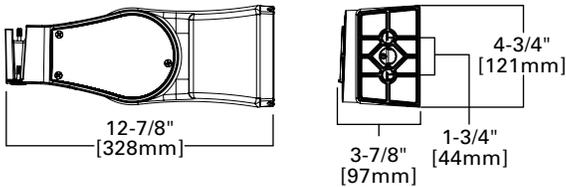
MA=QM Mast Arm (PRV & PRV-P)



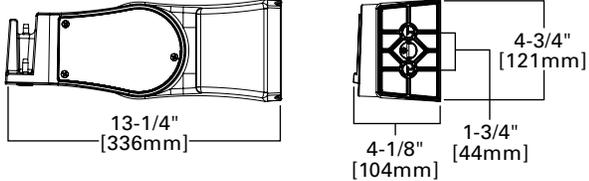
MA=QM Mast Arm (PRV-XL)



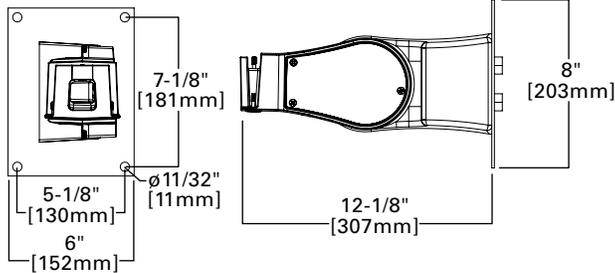
ADJA=Adjustable Arm Pole Mount (PRV & PRV-P)



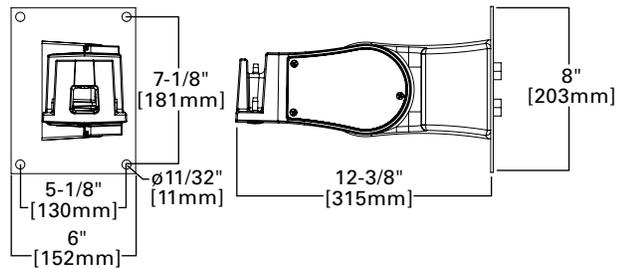
ADJA=Adjustable Arm Pole Mount (PRV-XL)



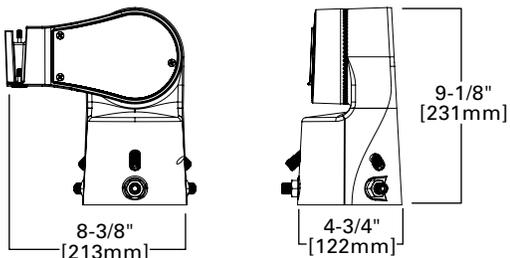
ADJA-WM=Adjustable Arm Wall Mount (PRV & PRV-P)



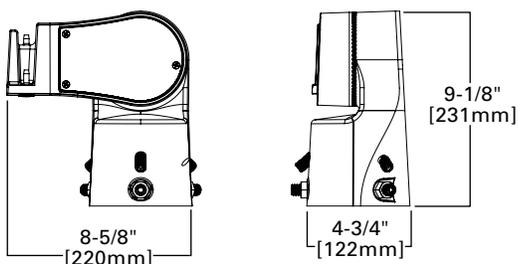
ADJA-WM=Adjustable Arm Wall Mount (PRV-XL)



ADJS=Adjustable Slipfitter 3 (PRV & PRV-P)

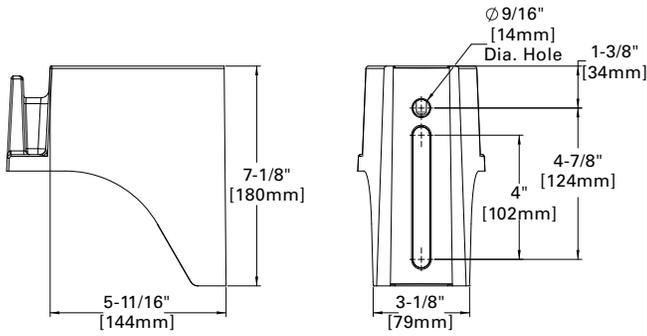


ADJS=Adjustable Slipfitter 3 (PRV-XL)

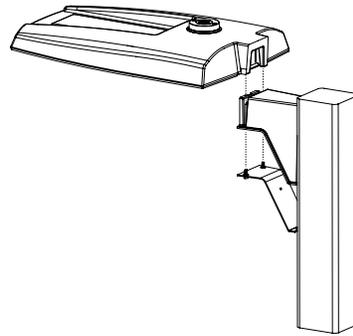


Mounting Details

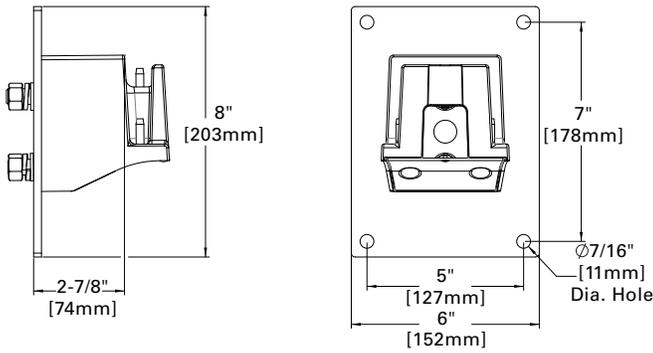
SA=QM Pole Mount Arm (PRV-M)



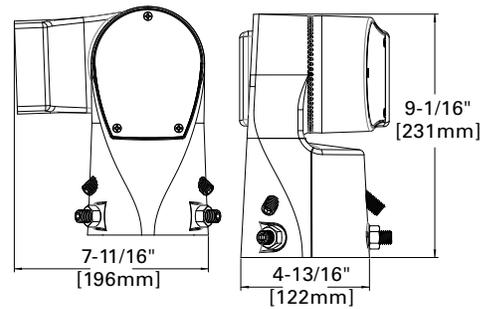
Versatile Mount System



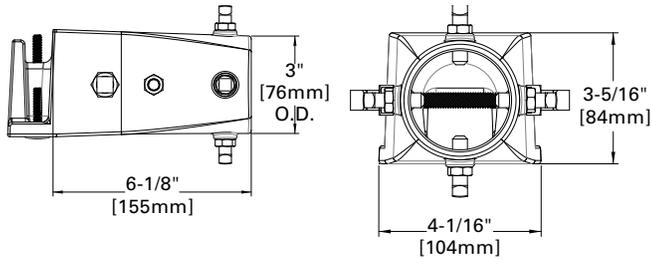
WM=QM Wall Mount Arm (PRV-M)



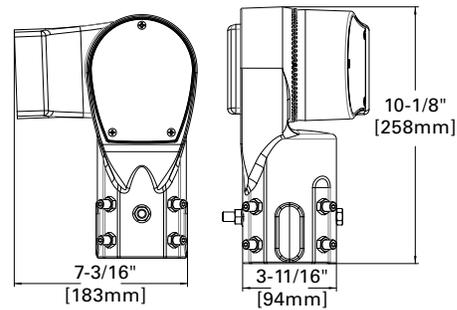
ADJS=Adjustable Slipfitter (PRV-M)



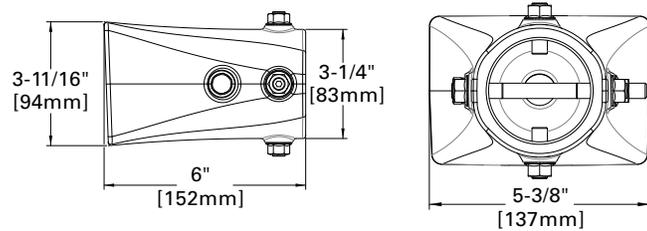
MA=QM Mast Arm (PRV-M)



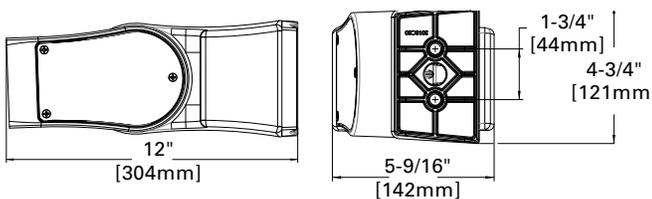
SP2=Adjustable Slipfitter 2-3/8" (PRV-M)



FMA=Fixed Mast Arm (PRV-M)



DM=Direct Pole Mount Arm (PRV-M)



Mounting Details

Mounting Configurations and EPAs

NOTE: For 2 PRV's mounted at 90°, requires minimum 3" square or 4" round pole for fixture clearance. For 2 PRV-XL's mounted at 90°, requires minimum 4" square or round pole for fixture clearance. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications.

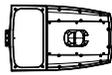
Housing Size	Tilt Angle (Degrees)	Arm Mount Single	Arm Mount 2 @ 180°	Arm Mount 2 @ 90°	Arm Mount 3 @ 90°	Arm Mount 4 @ 90°
Prevail Petite	0°	0.54	1.08	0.84	1.38	1.38
	60°	1.68	1.85	2.42	3.15	3.30
Prevail	0°	0.92	1.35	1.42	1.63	1.63
	60°	2.20	2.40	3.05	3.88	4.07
	60° + Full Drop Visor	2.20	2.40	3.25	4.28	4.47
Prevail XL	0°	1.12	2.25	2.13	2.52	2.52
	60°	3.99	4.30	5.26	6.51	6.79
	60° + Full Drop Visor	3.99	4.30	5.59	7.17	7.49
Prevail Maxx	0°	1.28	2.56	1.7	2.69	2.69
	60°	5.09	5.52	6.34	7.49	7.81

Optical Configurations

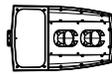
PRV-P-C10/C15/C20/C25
(4,900/6,900/9,800/11,800
Nominal Lumens)



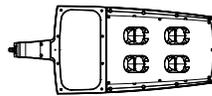
PRV-C15
(7,100 Nominal Lumens)



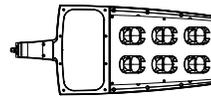
PRV-C25/C40/C60
(13,100/17,100/20,000
Nominal Lumens)



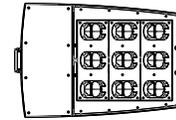
PRV-XL-C75/C100/C125
(26,100/31,000/36,300 Nominal Lumens)



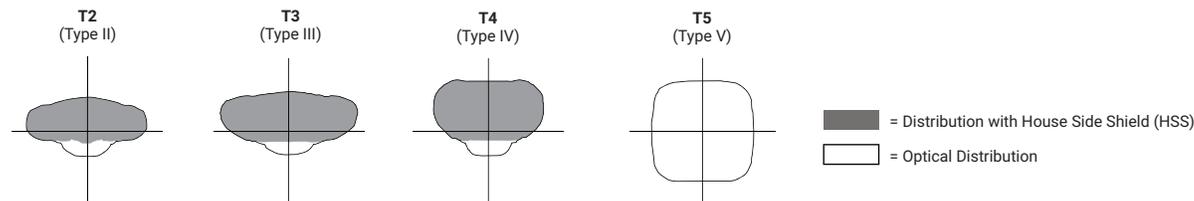
PRV-XL-C150/C175
(41,100/48,600 Nominal Lumens)



PRV-M-PA6X
(50,000/60,000/70,000/80,000 Nominal Lumens)



Optical Distributions



Product Specifications

Construction

- Single-piece die-cast aluminum housing
- Tethered die-cast aluminum door

Optics

- Dark Sky Approved (3000K CCT and warmer only)
- Precision molded polycarbonate optics

Electrical

- -40°C minimum operating temperature
- 40°C maximum operating temperature
- >.9 power factor
- <20% total harmonic distortion
- Class 1 electronic drivers have expected life of 100,000 hours with <1% failure rate
- 0-10V dimming driver is standard with leads external to the fixture
- Standard MOV surge protective device designed to withstand 10kV of transient line surge
- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels. Comes pre-set to the highest position at the lumen output selected.

Mounting

- Versatile, patented, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8" (Type M drilling recommended for new installations)
- A knock-out on the standard mounting arm enables round pole mounting
- Adjustable pole and wall mount arms adjust in 5° increments from 0° to 60°; Downward facing orientation only (Type N drilling required for ADJA mount)
- Adjustable slipfitter arm adjusts in 5° increments from -5° to 85°; Downward facing orientation only
- Adjustable Arms: 1.5G vibration rated
- Prevail and Prevail Petite: 3G vibration rated
- Prevail XL Mast Arm: 3G vibration rated
- Prevail XL Standard Arm: 1.5G vibration rated

Typical Applications

- Parking lots, Walkways, Roadways and Building Areas

Finish

- Five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Finish is compliant to 3,000 hour salt spray standard (per ASTM B117)

Shipping Data

- Prevail Petite: 18 lbs. (7.94 kgs.)
- Prevail: 20 lbs. (9.09 kgs.)
- Prevail XL: 45 lbs. (20.41 kgs.)
- Prevail Maxx: 49 lbs. (22.23 kgs.)

Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Energy and Performance Data

[View PRV-P IES files](#)

[View PRV IES files](#)

[View PRV-XL IES files](#)

Power and Lumens

Product Family	Prevail Petite				Prevail				Prevail XL					Prevail Maxx				
Light Engine	C10	C15	C20	C25	C15	C25	C40	C60	C75	C100	C125	C150	C175	C200	C225	C250	C275	
Power (Watts)	35	49	73	94	52	96	131	153	176	217	264	285	346	346	418	487	588	
Input Current @ 120V (A)	0.29	0.41	0.61	0.79	0.43	0.80	1.09	1.32	1.50	1.84	2.21	2.38	2.92	2.89	3.49	4.06	4.90	
Input Current @ 277V (A)	0.13	0.18	0.27	0.35	0.19	0.35	0.48	0.57	0.66	0.82	0.97	1.04	1.25	1.26	1.51	1.72	2.06	
Input Current @ 347V (A)	0.11	0.16	0.23	0.29	0.17	0.30	0.41	0.48	0.54	0.66	0.79	0.84	1.02	1.00	1.21	1.40	1.70	
Input Current @ 480V (A)	0.08	0.12	0.17	0.22	0.12	0.22	0.30	0.35	0.40	0.48	0.57	0.62	0.74	0.73	0.88	1.00	1.21	
Distribution ¹																		
Type II	4000K Lumens	4,775	6,717	9,542	11,521	7,123	13,205	17,172	20,083	26,263	31,231	36,503	41,349	48,876	50,349	59,444	68,447	79,322
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	138	137	131	122	137	138	131	131	149	144	138	145	141	146	142	141	135
	3000K Lumens ¹	4,869	6,595	9,369	11,312	6,994	12,965	16,860	19,718	25,786	30,664	35,840	40,598	47,989	49,437	58,368	67,208	77,886
Type III	4000K Lumens	4,782	6,727	9,556	11,538	7,111	13,183	17,144	20,050	26,120	31,061	36,304	41,124	48,610	50,162	59,223	68,193	79,027
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	138	137	131	123	137	137	131	131	148	143	138	144	140	145	142	140	135
	3000K Lumens ¹	4,695	6,605	9,383	11,329	6,982	12,944	16,832	19,686	25,646	30,497	35,645	40,377	47,727	49,254	58,151	66,958	77,596
Type IV	4000K Lumens	4,880	6,865	9,752	11,774	7,088	13,140	17,087	19,984	26,098	31,035	36,274	41,089	48,569	50,575	59,711	68,754	79,678
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B5-U0-G5
	Lumens per Watt	141	140	134	125	136	137	130	131	148	143	137	144	140	146	143	141	136
	3000K Lumens ¹	4,792	6,740	9,575	11,561	6,959	12,901	16,777	19,621	25,624	30,471	35,615	40,343	47,687	49,659	58,630	67,510	78,235
Type V	4000K Lumens	5,067	7,128	10,126	12,226	7,576	14,045	18,264	21,360	28,129	33,450	39,097	44,287	52,349	53,531	63,201	72,773	84,335
	BUG Rating	B3-U0-G2	B3-U0-G2	B4-U0-G3	B4-U0-G3	B3-U0-G3	B4-U0-G3	B4-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	146	145	139	130	146	146	139	140	160	154	148	155	151	155	151	150	144
	3000K Lumens ¹	4,975	6,999	9,942	12,004	7,438	13,790	17,932	20,972	27,618	32,843	38,387	43,483	51,398	52,562	62,057	71,455	82,808

NOTES:
1. For 3000K, 5000K or HSS data, refer to published IES files.

Lumen Maintenance

Configuration	TM-21 Lumen Maintenance (50,000 Hours)	Theoretical L70 (Hours)
Prevail and Prevail Petite at 25°C	91.30%	> 194,000
Prevail and Prevail Petite at 40°C	87.59%	> 134,000
Prevail XL at 25°C	91.40%	> 204,000
Prevail XL at 40°C	89.41%	> 158,000
Prevail Maxx at 25°C	91.40%	> 204,000
Prevail Maxx at 40°C	89.41%	> 158,000

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99

FADC Settings

FADC Position	Lumen Multiplier
1	25%
2	46%
3	55%
4	62%
5	72%
6	77%
7	82%
8	85%
9	90%
10	100%

Note: +/-5% typical value

Sensor Color Reference Table (SPBx)

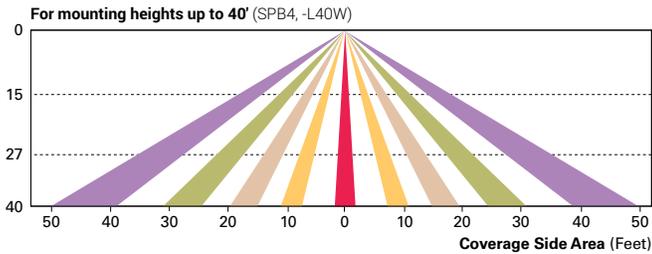
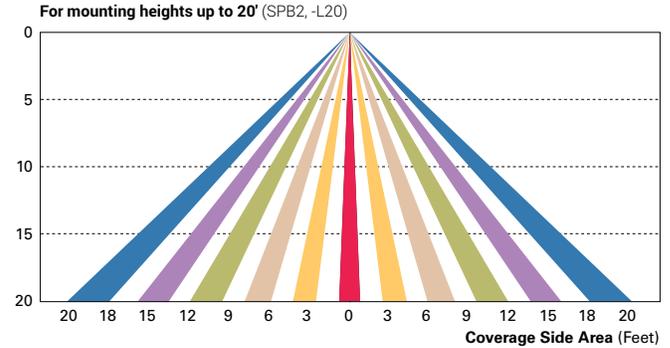
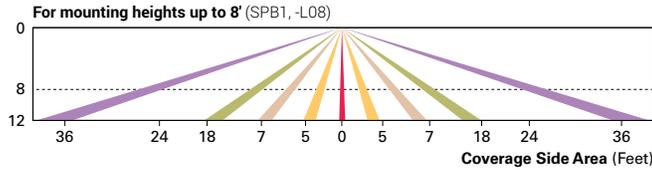
Housing Finish	Sensor Color
AP=Grey	Grey
BZ=Bronze	Bronze
BK=Black	Black
DP=Dark Platinum	Grey
GM=Graphite Metallic	Black
WH=White	White

Control Options

0-10V This fixture provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (PR and PR7) Photocontrol receptacles provide a flexible solution to enable “dusk-to-dawn” lighting by sensing light levels. Advanced control systems compatible with NEMA 7-PIN standards can be utilized with the PR7 receptacles.

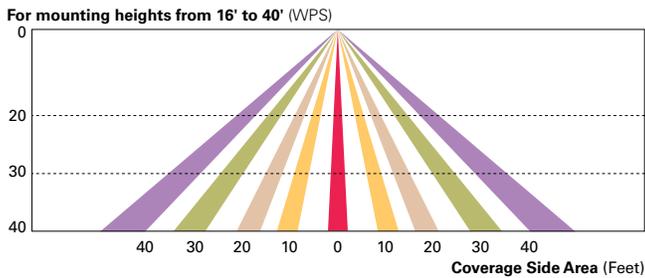
Dimming Occupancy Sensor (SPB, MS/DIM-LXX) These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the luminaire will dim down after five minutes of no activity detected. When activity is detected, the luminaire returns to full light output. These occupancy sensors include an integral photocell for “dusk-to-dawn” control or “daylight harvesting.” Factory default is enabled for the MS sensors and disabled for the SPB. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes.



WaveLinx Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

WaveLinx Outdoor Control Module (WOLC-7P-10A) A photocontrol that enables astronomical or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

WaveLinx Wireless Sensor (WPS2 and WPS4) These outdoor sensors offer passive infrared (PIR) occupancy sensing and a photocell for closed-loop daylight sensing. These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected, and the photocell for “dusk-to-dawn” control is default enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.



LumenSafe (LD) The LumenSafe integrated network camera is a streamlined, outdoor-ready camera that provides high definition video surveillance. This IP camera solution is optimally designed to integrate into virtually any video management system or security software platform of choice. No additional wiring is needed beyond providing line power to the luminaire. LumenSafe features factory-installed power and networking gear in a variety of networking options allowing security integrators to design the optimal solution for active surveillance.

Project		Catalog #		Type	
Prepared by		Notes		Date	



McGraw-Edison

BRT6 Bollard

Round LED Pedestrian Luminaire

Product Features



Product Certifications



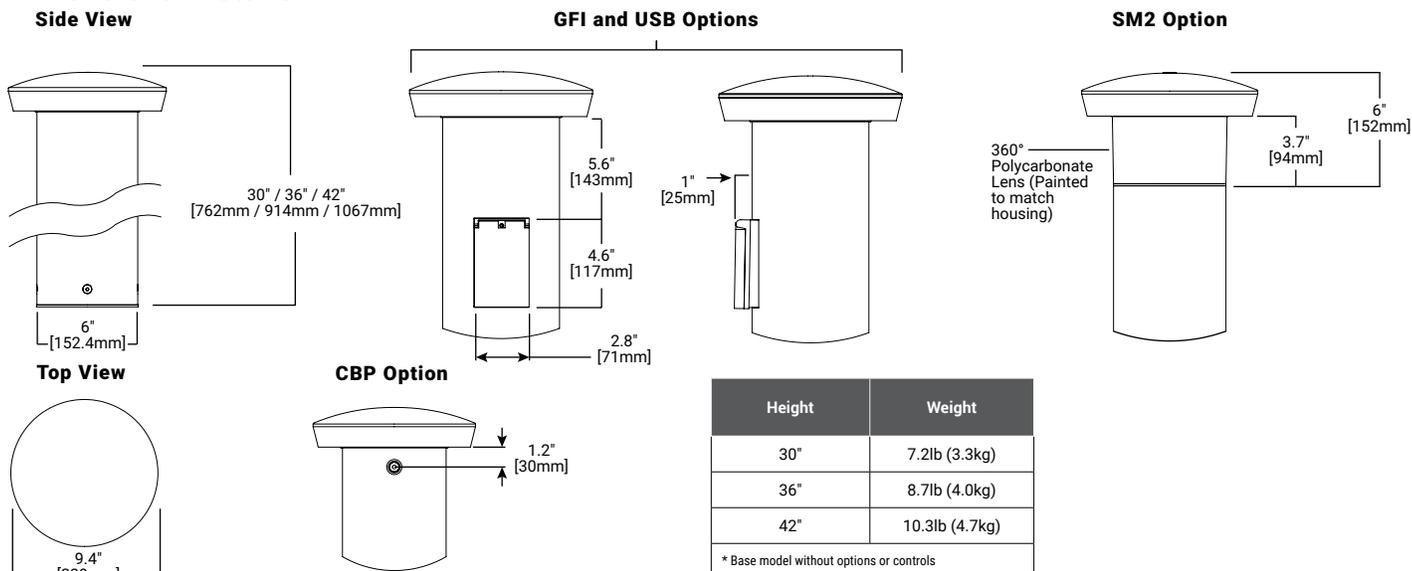
Interactive Menu

- Ordering Information [page 2](#)
- Product Specifications [page 2](#)
- Optical Distributions [page 2](#)
- Energy and Performance Data [page 3](#)

Quick Facts

- 4 Optical Distributions
- Available in 30", 36", and 42"
- Lumen packages range from 560 - 4400 (5W - 49W)
- Efficacy up to 122 lumens per watt
- Zero upright on all configurations

Dimensional Details



NOTES:
1. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: BRT6-A3-740-U-T4-36-GM

Product Family	Configuration ¹	Color Temperature	Voltage	Distribution	Height	Finish
BRT6=Bollard, 6" Round Base BAA-BRT6=Bollard, 6" Round Base, Buy American Act Compliant ¹³ TAA-BRT6=Bollard, 6" Round Base, Trade Agreements Act Compliant ¹³ BABA-BRT6=Bollard, 6" Round Base, Build America Buy America ¹⁸	A1=1000lm Nominal ¹¹ A2=2000lm Nominal A3=3000lm Nominal A4=4000lm Nominal	727=70CRI, 2700K 730=70CRI, 3000K 740=70CRI, 4000K 750=70CRI, 5000K 830=80CRI, 3000K AMB=Amber, 590nm ²	U=120-277V 1=120V 2=208V 3=240V 4=277V 8=480V ⁵ 9=347V	T3=Path Asymmetric T4=Wide Path Asymmetric T5=Type V Symmetric T5S=Type V Square Symmetric	30=30" 36=36" 42=42"	AP=Gray BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White
Options (Add as Suffix)	Controls and Systems Options (Add as Suffix)		Accessories (Order Separately) ¹⁴			
DIM=External 0-10V Dimming Leads ^{4,7} F=Single Fuse (120, 277 or 347V Specify Voltage) FF=Double Fuse (208, 240 or 480V Specify Voltage) CC=Coastal Construction ³ HA=50°C High Ambient 20K=20kV UL 1449 fused surge protective device CBP=Battery Pack, Cold Weather Rated ^{9,12} DALI=DALI Driver ^{4,11} LAB=Less Anchor Bolts & Template ⁴ GFI=GFCI Outlet ^{8,17} USB=USB charging receptacle ^{15,17}	RPC=Button Type Photocontrol ¹⁰ SM2=Microwave Occupancy Sensor, 18' max range ¹⁶		BRT6ANCHOR=Anchor bolt kit and template ⁴			
<p>NOTES:</p> <ol style="list-style-type: none"> Nominal output based on symmetric distributions at 4000K CCT. See lumen table and IES files for details. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Available with configuration A1 only. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. Not available with other controls options 480V must utilize Wye system only. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems.) Bollard ships with anchor bolts and template included, unless LAB is specified, in which case the BRT6ANCHOR accessory must be ordered separately. Low voltage control leads brought out 18" from fixture GFCI 125-Volt duplex tamper-proof outlet rated for 15A. Available in 120V only. Cannot be used in conjunction with USB option. Operates at -20°C to +40°C. Not available with HA, GFI, USB or SM2 options. 6W initial output. 16.2Wh capacity. Not available with "U" voltage, must specify voltage. Available in 120V only, except with Amber (AMB). Specify 120V or 277V. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 120V only. Weather-resistant, tamper-resistant duplex 15A, 125V AC receptacle with (1) USB Type-A and (1) USB Type-C port. Must be installed on a GFCI-protected circuit. 1-Year Warranty. Model WRR26USBAC6BK. Cannot be used in conjunction with GFI Outlet option. Includes microwave sensor with integral polycarbonate lens painted to match fixture. Does not include photocontrol. Use in conjunction with BPC or external photocontrol for dusk-to-dawn operation. Not available with HA High Ambient option. Mounted to weatherproof, spring-loaded box suitable for covered areas. Not while-in-use capable. Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Build America Buy America Act (BABA). BABA is the minimum Government compliance requirement for the Build America Buy America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards. Please refer to the DOMESTIC PREFERENCES website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 						

Product Specifications

Construction

- Extruded aluminum housing with cast base and top
- Patent-pending base plate design offers superior rigidity
- 3G vibration rated
- IK10 impact rating for housing and optic assembly

Optics

- High-efficiency injection-molded AccuLED optics technology
- 4 optical distributions; 2 symmetric and 2 asymmetric

Electrical

- Standard with 0-10V dimming
- Suitable for operation in -40°C to 40°C ambient environments. Optional 50°C high ambient (HA) configuration
- 10kV surge module standard

Finish

- Super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness
- RAL and custom color matches available
- Coastal Construction (CC) option available

Compliance

- IDA Certified for 3000K CCT and warmer only
- FHWA and FTA agencies are utilizing their BAA rules for BABA compliance. Only product configurations with these prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or the Buy America Build America Act (BABA). BABA is the minimum Government compliance requirement for the Buy America Build America standards which is part of the Infrastructure and Investment Jobs Act (IIJA). Individual Government Agencies may have more stringent compliance standards

- Please refer to the [DOMESTIC PREFERENCES](#) website or consult the CLS Domestic Preferences team for more information. Components shipped separately may be separately analyzed under domestic preference requirements

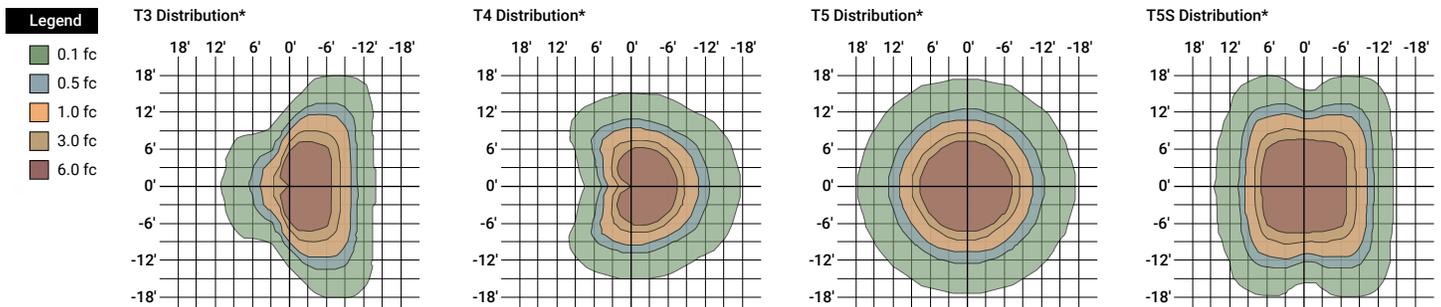
Typical Applications

- Outdoor, Walkway, Perimeter, Landscapes, Hardscapes

Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Optical Distributions



*NOTE: A4 lumen package, 4000K CCT, 3.5" MH

Energy and Performance Data

Asymmetric Power and Lumens

Optics		Configuration				
		A1	A2	A3	A4	
4000K / 5000K CCT, 70 CRI	T3	Wattage	5	11	17	22
		Lumens	537	1075	1627	1961
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B0-U0-G1
		Lumens per Watt	99	99	94	91
	T4	Wattage	5	10	15	21
		Lumens	559	1101	1616	2193
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1
		Lumens per Watt	110	115	110	104
3000K CCT, 70 CRI	T3	Wattage	5	11	17	22
		Lumens	489	979	1482	1786
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B0-U0-G1
		Lumens per Watt	99	99	94	91
	T4	Wattage	5	10	15	21
		Lumens	509	1003	1472	1997
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1
		Lumens per Watt	110	115	110	104
3000K CCT, 80 CRI	T3	Wattage	5	11	17	22
		Lumens	427	854	1293	1558
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B0-U0-G1
		Lumens per Watt	99	99	94	91
	T4	Wattage	5	10	15	21
		Lumens	444	875	1284	1743
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1
		Lumens per Watt	110	115	110	104
2700K CCT, 70 CRI	T3	Wattage	5	11	17	22
		Lumens	449	899	1361	1640
		BUG Rating	B0-U0-G0	B0-U0-G1	B0-U0-G1	B0-U0-G1
		Lumens per Watt	99	99	94	91
	T4	Wattage	5	10	15	21
		Lumens	467	921	1351	1834
		BUG Rating	B0-U0-G0	B0-U0-G1	B1-U0-G1	B1-U0-G1
		Lumens per Watt	110	115	110	104
AMB 590nm	T3	Wattage	13	--	--	--
		Lumens	457	--	--	--
		BUG Rating	B0-U0-G0	--	--	--
		Lumens per Watt	34	--	--	--
	T4	Wattage	11	--	--	--
		Lumens	352	--	--	--
		BUG Rating	B0-U0-G0	--	--	--
		Lumens per Watt	32	--	--	--

Symmetric Power and Lumens

Optics		Configuration				
		A1	A2	A3	A4	
4000K / 5000K CCT, 70 CRI	T5	Wattage	9	18	29	42
		Lumens	1149	2210	3244	4401
		BUG Rating	B1-U0-G0	B1-U0-G1	B2-U0-G1	B2-U0-G1
		Lumens per Watt	122	120	111	105
	T5S	Wattage	10	21	35	49
		Lumens	1125	2230	3338	4367
		BUG Rating	B1-U0-G0	B1-U0-G1	B2-U0-G1	B2-U0-G1
		Lumens per Watt	110	107	97	89
3000K CCT, 70 CRI	T5	Wattage	9	18	29	42
		Lumens	1046	2013	2954	4008
		BUG Rating	B1-U0-G0	B1-U0-G1	B2-U0-G1	B2-U0-G1
		Lumens per Watt	122	120	111	105
	T5S	Wattage	10	21	35	49
		Lumens	1025	2031	3040	3977
		BUG Rating	B1-U0-G0	B1-U0-G1	B2-U0-G1	B2-U0-G1
		Lumens per Watt	110	107	97	89
3000K CCT, 80 CRI	T5	Wattage	9	18	29	42
		Lumens	913	1757	2578	3497
		BUG Rating	B1-U0-G0	B1-U0-G1	B2-U0-G1	B2-U0-G1
		Lumens per Watt	122	120	111	105
	T5S	Wattage	10	21	35	49
		Lumens	894	1772	2653	3470
		BUG Rating	B1-U0-G0	B1-U0-G1	B2-U0-G1	B2-U0-G1
		Lumens per Watt	110	107	97	89
2700K CCT, 70 CRI	T5	Wattage	9	18	29	42
		Lumens	960	1848	2712	3680
		BUG Rating	B1-U0-G0	B1-U0-G1	B2-U0-G1	B2-U0-G1
		Lumens per Watt	122	120	111	105
	T5S	Wattage	10	21	35	49
		Lumens	941	1865	2791	3652
		BUG Rating	B1-U0-G0	B1-U0-G1	B2-U0-G1	B2-U0-G1
		Lumens per Watt	110	107	97	89
AMB 590nm	T5	Wattage	21	--	--	--
		Lumens	575	--	--	--
		BUG Rating	B0-U0-G0	--	--	--
		Lumens per Watt	28	--	--	--
	T5S	Wattage	25	--	--	--
		Lumens	676	--	--	--
		BUG Rating	B1-U0-G0	--	--	--
		Lumens per Watt	27	--	--	--

Energy and Performance Data

Input Current (mA)

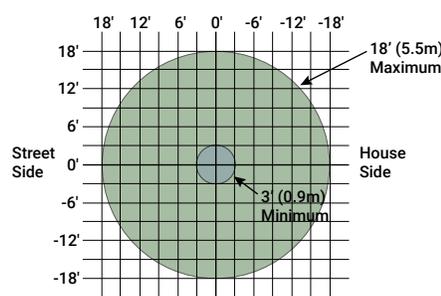
Optics		Voltage	Configuration			
			A1	A2	A3	A4
Asymmetric	T3	120V	47	97	152	190
		208V	--	59	89	110
		240V	--	52	78	97
		277V	--	48	70	85
		347V	--	40	59	72
		480V	--	29	43	53
	T4	120V	44	84	128	183
		208V	--	52	75	105
		240V	--	47	66	92
		277V	--	44	59	81
		347V	--	35	49	68
		480V	--	25	36	50
Symmetric	T5	120V	81	159	257	373
		208V	--	93	146	209
		240V	--	82	128	183
		277V	--	73	113	159
		347V	--	65	96	148
		480V	--	48	70	108
	T5S	120V	90	185	314	454
		208V	--	107	177	251
		240V	--	94	155	219
		277V	--	83	135	190
		347V	--	69	114	172
		480V	--	51	82	125

Lumen Maintenance (TM-21)

Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours**	Theoretical L70 hours**
25°C	95.9%	92.9%	91.7%	87.1%	271,000
40°C	95.7%	92.5%	91.3%	86.5%	256,000
50°C	95.3%	91.9%	90.6%	85.7%	242,000

* Supported by IES TM-21 standards
 **Theoretical values represent estimations commonly used, however, refer to the IES position on LED Product Lifetime Prediction, IES PS-10-18, explaining proper use of IES TM-21 and LM-80.

SM2 Coverage*



*NOTE: Applicable to heights of 30', 36" and 42"

[View BRT6 IES files](#)

DESCRIPTION

Combining value and performance in a unique, patent-pending durable design, the Tracer LED floodlight luminaire delivers superior uniformity and excellent illumination to the targeted application. The rugged, die-cast housing is IP66 rated for exceptional durability and long-term reliability. The Tracer floodlight provides design flexibility for applications such as landscape, accent, facade, or sign lighting.

Catalog #		Type	
Project			
Comments		Date	
Prepared by			

SPECIFICATION FEATURES

Construction

Heavy-duty, die-cast aluminum housing provides durability and an IP66 rating to protect against moisture and contaminants. Clear tempered glass lens protects optics and encloses the front cover of the luminaire.

Optics

The discrete LED optics provide illumination that has been precisely designed to shape the distribution as spot, medium, or wide. Multiple lumen packages ranging from 550 up to 2,900 lumens. Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 5000K CCT or 3000K CCT available. Removable, pre-installed standard symmetric snoot as well included and field-replaceable with included extended visor for more cut-off applications.

Electrical

LED driver is internally mounted for optimal heat sinking. 120-277V 50/60Hz standard operation. Integral 4kV surge is standard. 0-10V dimming is standard with external purple and grey leads. Suitable for ambient temperatures from -40°C to 40°C. 90% lumen maintenance greater than 60,000 hours per IESNA TM-21.

Mounting

Heavy-duty, die-cast aluminum knuckle base utilizes tooth-lock adjustment with visual 15° adjustment indicators that allow for precise rotation of the luminaire. Knuckle fits 1/2" NPS available mounting junction box cover (supplied by others) and is secured with supplied locking nut.

Finish

Housing and cast parts finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard color is carbon bronze. Additional colors available in summit white, black, and verde green. Consult your lighting representative at Cooper Lighting Solutions for a complete selection of standard colors.

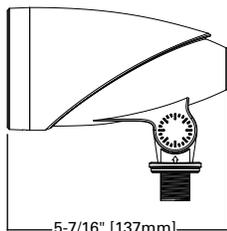
Warranty

Five-year warranty.

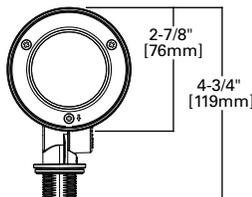
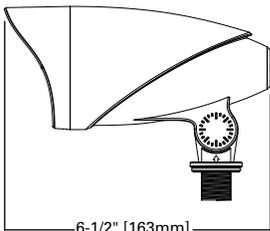


DIMENSIONS

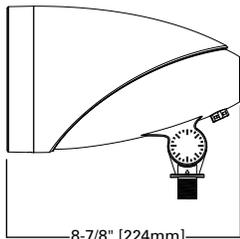
Tracer Small
(Standard symmetric snoot)



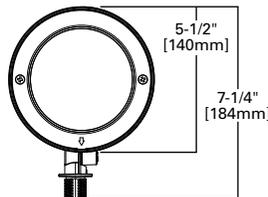
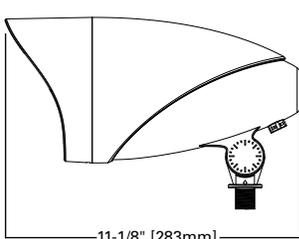
Tracer Small
(Optional extended visor)



Tracer Large
(Standard symmetric snoot)



Tracer Large
(Optional extended visor)



**TCRS / TCRL
TRACER**

Solid State LED

FLOODLIGHT



CERTIFICATION DATA

UL/cUL Wet Location Listed
DesignLights Consortium® Qualified*
IP66 Fixture and Optical Chamber
LM79/LM80 Compliant
FCC Class A
1.5G Vibration Rated
RoHS Compliant

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V 50/60Hz
-40°C Min. Ambient Temperature Rating
+40°C Max. Ambient Temperature Rating

EPA

Effective Projected Area (Sq. Ft.): 0.55

SHIPPING DATA

Approximate Net Weight:
Small fixture=2 lbs. (0.91kgs.)
Large fixture=5 lbs. (2.27kgs.)

POWER AND LUMENS

Light Engine	TCRS5	TCRS8	TCRL15	TCRL20	TCRL26	
Power (Watts)	5.0	8.0	12.0	17.6	25.1	
Input Current @ 120V (A)	0.04	0.07	0.10	0.15	0.22	
Input Current @ 277V (A)	0.02	0.03	0.05	0.07	0.10	
Configuration						
Spot (20°)	4000K/5000K Lumens	530	812	1,500	2,039	2,718
	3000K Lumens	512	785	1,450	1,971	2,628
Medium (30°)	4000K/5000K Lumens	552	846	1,630	2,215	2,953
	3000K Lumens	533	818	1,575	2,141	2,854
Wide (50°)	4000K/5000K Lumens	561	860	1,657	2,251	3,002
	3000K Lumens	542	831	1,602	2,176	2,902

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
Up to 40°C	90%	153,000

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.97

ORDERING INFORMATION

Sample Number: TCRS5S-WH-7050

Product Family ¹	Light Engine	Distribution
TCRS=Tracer Flood Small LED TCRL=Tracer Flood Large LED	TCRS 5=5W, 550 Nominal Lumens 8=8W, 850 Nominal Lumens TCRL 15=15W, 1,600 Nominal Lumens 20=20W, 2,200 Nominal Lumens 26=26W, 2,900 Nominal Lumens	S=Spot M=Medium W=Wide
Options (Add as Suffix) ²		
[blank]=Carbon Bronze (Standard) BK=Black VG=Verde Green WH=White 7030=70 CRI / 3000K CCT 7050=70 CRI / 5000K CCT		

NOTES: 1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 2. Extended lead times apply to any options selected.

STOCK ORDERING INFORMATION

Stock SKUs	
<p>Small TCRS5S=Tracer Small 5W, 550 lumens, Spot Distribution TCRS5M=Tracer Small 5W, 550 lumens, Medium Distribution TCRS5W=Tracer Small 5W, 550 lumens, Wide Distribution TCRS8S=Tracer Small 8W, 850 lumens, Spot Distribution TCRS8M=Tracer Small 8W, 850 lumens, Medium Distribution TCRS8W=Tracer Small 8W, 850 lumens, Wide Distribution</p>	<p>Large TCRL15S=Tracer Large 15W, 1,600 lumens, Spot Distribution TCRL15M=Tracer Large 15W, 1,600 lumens, Medium Distribution TCRL20M=Tracer Large 20W, 2,200 lumens, Medium Distribution TCRL26S=Tracer Large 26W, 2,900 lumens, Spot Distribution TCRL26M=Tracer Large 26W, 2,900 lumens, Medium Distribution</p>

NOTES: Options not available with stock products. Refer to standard ordering information to add options. Stock fixture is 4000K, dimming, 120-277V, carbon bronze only.