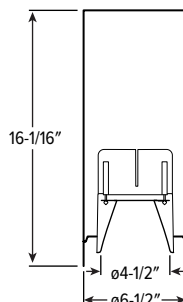


6CR^{LED} 6.5" Cylinder – Round



CATALOG #: _____

TYPE: _____

PROJECT: _____



ORDERING EXAMPLE: 6CR - TL - L20/835 - OPTIONS - WHT - CONTROL/DIM - UNV - OW - CS - TRIM OPTIONS - CM

HOUSING TRIM MOUNT.

HOUSING

SERIES	LUMENS ^[1]	CRI	CCT	OPTIONS	HOUSING FINISH ^[2]	CONTROL	DRIVER	VOLTAGE
6CR - TL	L10 1,000lm	8 80	27 2700K	See page 4 for EMERGENCY BATTERY OPTIONS.	ALUM Silver sparkle aluminum	See page 5 for ADDITIONAL CONTROL/ DRIVER OPTIONS.	See page 5 for ADDITIONAL CONTROL/ DRIVER OPTIONS.	UNV 120-277V
TrimLock	L15 1,500lm	9 90 ^[4]	30 3000K		BLK Textured black	– None	DIM Dimming driver, 0-10V	347 347V ^[10]
	L20 2,000lm		35 3500K		BRZ Textured bronze		DIM1 1% Dimming driver, 0-10V	
	L30 3,000lm		40 4000K	F Fuse	NKL Textured nickel	AVI-LVFA Avi-on wireless fixture control ^[7]	DA Driver with 12V auxiliary power, without external dimming wires ^[9]	
	L40 4,000lm		50 5000K	SDT Stepdown transformer ^[5]	SLV Textured silver	AWNRLutron Athena wireless node integral fixture control, RF only ^[8]		
	L50 5,000lm			RDB Remote mount control/driver box, painted black ^[6]	WHT Textured white			
	L60 6,000lm							
	L70 7,000lm ^[3]							

TRIM

TRIM TYPE	DISTRIBUTION ^[11]	REFLECTOR FINISH ^[12]	TRIM OPTIONS
O Open reflector	W 65° Wide	Open Trim Types	AD Diffuse acrylic lens ^[15]
L Flush lens	M 45° Medium ^[13]	CS Clear semi-specular anodize	PD Diffuse 1/8" polycarbonate lens ^[16]
R Regressed lens	N 10° Narrow ^[14]	SG Satin-glow anodize	TD Diffuse polycarbonate lens media at top of open reflector ^[17]
		GD Gold anodize	
		CG Champagne gold anodize	
		PW Pewter anodize	
		SPC Clear specular anodize	
		RG Rose gold anodize	
		WH White texture powder coat	
		BL Black texture powder coat	
		Lens Trim Types	
		CS Clear semi-specular powder coat	
		WH White texture powder coat	
		BL Black texture powder coat	
		BZ Bronze texture powder coat	
		NK Nickel texture powder coat	
		SV Silver texture powder coat	
		AL Silver sparkle aluminum	

MOUNTING

MOUNTING TYPE^[18]

- CM__ Adjustable aircraft cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = CM24^[19]
- PM__ Pendant mount. Example: 24" pendant = PM24^[20]
- PC__ Power cord mount. Example: 24" cord = PC24^[21]
- SM TwistLock surface mount to octagonal J-box
- WM Wall mount

NOTES

- Lumen output based on O trim type, W distribution and CS finish, 3500K/80CRI. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- See page 3 for HOUSING FINISH DETAILS.
- O Trim Type only.
- Extended lead times may apply. Consult factory for availability.
- May be required for 347V, see product builder at hew.com/product-builder. Increases fixture weight by 2 lbs.
- Painted white available, specify RDB/WHT.
- DA Driver only. See page 5 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS.
- DA Driver only. SM Mounting Type installed in remote box, must specify RDB Option.
- Avi-on and Lutron Athena Controls only.
- Not available with EM batteries, DA, or DMX drivers.
- Beam angle based on O Trim Type and CS reflector finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
- See page 3 for REFLECTOR FINISH DETAILS.
- Not available with lumen stops L50 and higher when specified with flush or regressed trim types.
- Not available with lumen stops L50 and higher when specified with flush or regressed trim types.
- Not available with O trim type. W distribution only.
- Not available with O trim type. W distribution only.
- O Trim Type only. L50 lumen package max.
- See page 4 for MOUNTING DETAILS.
- Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.
- Specify length in 1" increments, minimum 6". Canopy and pendant match fixture housing color unless specified otherwise.
- 48" and 96" lengths available. Canopy painted white unless specified otherwise. Must specify cord. See page 4 for CORD OPTIONS.



FEATURES

TrimLock® | TwistLock™

- Wide range of lumen options for general illumination
- Parallel the performance and style of the Williams downlight collection
- Superior optical control with beams as narrow as 10° and field changeable optics as wide as 65°
- Complement the architectural elements of any space with a multitude of housing, trim and cord finishes
- Limitless application opportunities via pendant, cable, power cord, wall and ceiling mounts
- Ensure a simple and secure installation with TwistLock™ surface mount technology
- Precision-engineered extruded aluminum housing and die-cast aluminum trim face for clean aesthetic
- Wireless in-fixture control solutions available

SPECIFICATIONS

- HOUSING – Extruded aluminum with die-cast aluminum accent ring.
- FINISH – Polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- TRIMLOCK – Innovative TrimLock® reflector retention system ensures trim remains secure.
- OPEN REFLECTOR – Low-iridescent anodized aluminum. Clear semi-specular finish standard.
- LENSED TRIM – Die-cast aluminum frame with micro-prismatic, acrylic lens.
- ELECTRICAL – High-performance Class 2 C.O.B. LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>55,000 hours. Reported L90>55,000 hours. Estimated L70 = 200,000 hours.
- MOUNTING – Surface, cable, pendant, power cord, or wall mount. Indoor applications only. Max weight 9-1/2 lbs.
- LISTINGS –
 - cCSAus conforms to UL STD 1598 and UL STD 8750. Certified to CAN/CSA STD C22.2 No. 250.0. Suitable for dry and damp locations.
 - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- WARRANTY – 5-year limited warranty, see hew.com/warranty.

FIXTURE PERFORMANCE DATA

			OPEN REFLECTOR TRIM TYPE		FLUSH LENS TRIM TYPE		REGRESSED LENS TRIM TYPE	
	DISTRIBUTION	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
L10	W	9.0	1027	114	674	75	660	73
	M	9.0	999	111	895	99	895	99
	N	9.0	1000	111	914	102	882	98
L15	W	13.9	1466	105	994	72	972	70
	M	13.9	1471	106	1319	95	1319	95
	N	13.9	1473	106	1347	97	1300	94
L20	W	19.8	2005	101	1352	68	1323	67
	M	19.8	2002	101	1794	91	1795	91
	N	19.8	2004	101	1833	93	1769	89
L30	W	27.8	2985	107	2022	73	1979	71
	M	27.8	2900	104	2683	97	2685	97
	N	27.8	2734	98	2741	99	2646	95
L40	W	38.0	3979	105	2695	71	2638	69
	M	38.0	3865	102	3577	94	3579	94
	N	38.0	3644	96	3654	96	3527	93
L50	W	45.2	5124	113	3364	74	3292	73
	M	45.2	4956	110	—	—	—	—
	N	45.1	4818	107	—	—	—	—
L60	W	47.7	6279	132	4234	89	4143	87
	M	47.7	6073	127	—	—	—	—
	N	47.7	5903	124	—	—	—	—
L70	W	58.2	7332	126	—	—	—	—
	M	58.2	7091	122	—	—	—	—
	N	58.2	6894	118	—	—	—	—

- Photometrics tested in accordance with IESNA LM-79. Results based on O trim type, W distribution and CS finish. 80 CRI/3500K CCT, average wattage for 120V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.

MULTIPLIER TABLES

		COLOR TEMPERATURE	
		CCT	CONVERSION FACTOR
80 CRI	2700K	0.92	
	3000K	0.98	
	3500K	1.00	
	4000K	1.01	
	5000K	1.02	
90 CRI	2700K	0.76	
	3000K	0.79	
	3500K	0.82	
	4000K	0.84	
	5000K	0.88	

TRIM	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85
TD	0.75

		REFLECTOR FINISH	
		CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00	
	SG ^[1]	0.92	
	GD	0.93	
	CG	0.96	
	PW	0.86	
	SPC	1.02	
	RG	0.88	
	WH ^[1]	0.89	
BL ^[1]	0.47		

R TRIM	WH	1.00
	CS ^[1]	0.98
	BL ^[1]	0.79
	BZ ^[1]	0.76
	NK ^[1]	0.81
	SV ^[1]	0.81
	AL ^[1]	0.86

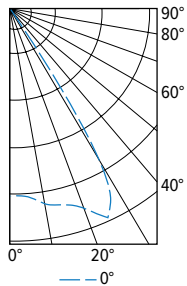
¹ Distribution will also be affected, consult factory.

BEAM ANGLE

	TRIM TYPE		
	OPEN	FLUSH	REGRESSED
W	65°	50°	50°
M	45°	35°	30°
N	10°	25°	25°

PHOTOMETRY

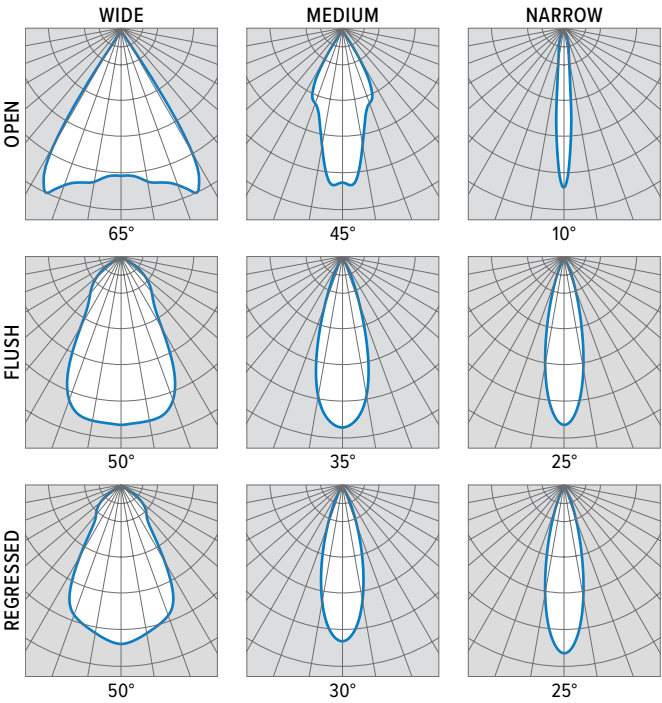
6CR-TL-L20/835-DIM-UNV-OW-CS Total Luminaire Output: 2005 lumens; 19.8 Watts | Efficacy: 101.0 lm/W | 80 CRI; 3500K CCT



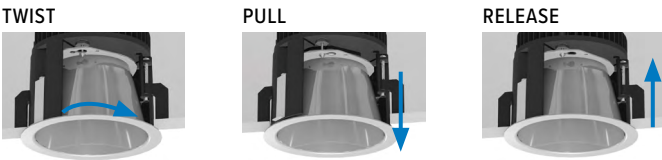
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1810	
	5	1864	178
	15	1960	556
	25	2231	1033
	35	307	193
	45	44	35
	55	11	10
	65	1	1
75	0	0	
85	0	0	
90	0		

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1959	98
	0 - 60	2004	100
	0 - 90	2005	100
	0-180	2005	100

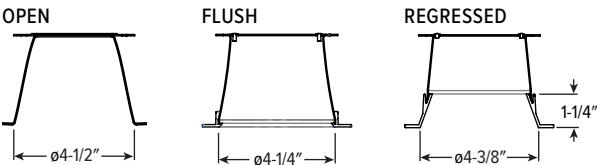
6CR^{LED} 6.5" Cylinder – Round



TRIMLOCK DETAILS



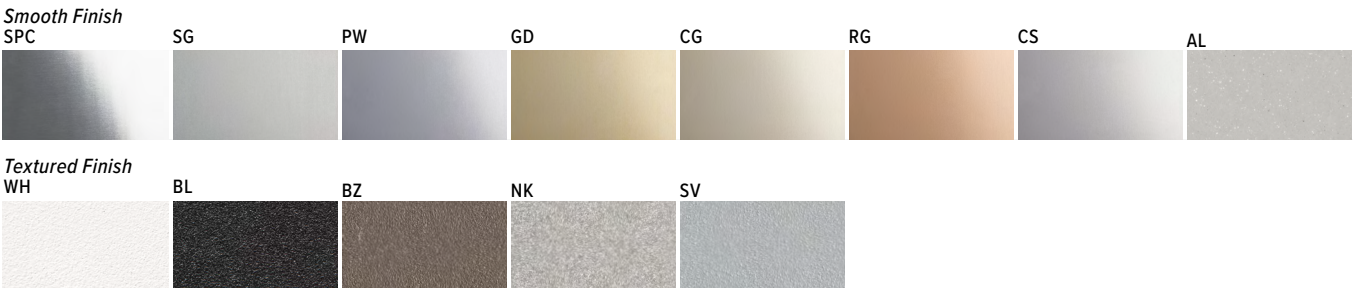
TRIM TYPE DETAILS



HOUSING FINISH DETAILS



REFLECTOR FINISH DETAILS



6CR^{LED} 6.5" Cylinder – Round

EMERGENCY BATTERY OPTIONS

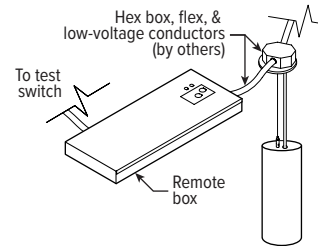
Max remote distance 50', including suspension length. Specify CEC in the option code when California Energy Commission regulations are required.

CATALOG NUMBER	DESCRIPTION
EM/7WRM	Remote mount 7-watt emergency battery
EM/7WRM/RTS	Remote mount 7-watt emergency battery with regressed test switch ^[1]
EM/10WRM	Remote mount 10-watt emergency battery
EM/10WRM/RTS	Remote mount 10-watt emergency battery with regressed test switch ^[1]
EM/12WRM	Remote mount 12-watt emergency battery ^[2]
EM/12WRM/RTS	Remote mount 12-watt emergency battery with regressed test switch ^[1] ^[2]

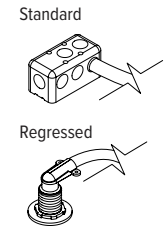
¹ For use in grid ceiling installations only.

² Not available when CEC regulations are required.

RDB OPTION DETAILS



TEST SWITCH DETAILS



MOUNTING DETAILS

PENDANT MOUNT (PM__)



Swivel pendant mount fixtures are provided with:

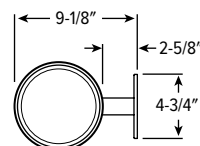
- 45° Swivel canopy
- 3/8" IPS Threaded stem
- Specify length of stem, 6" minimum, 24" default length

WALL MOUNT (WM)

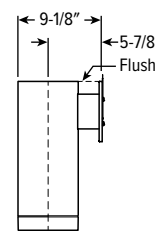


Mounts to 4" square J-box.

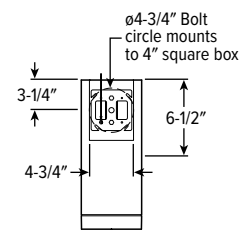
TOP VIEW



SIDE VIEW



BACK VIEW



SURFACE MOUNT (SM)



TwistLock™

Simple lift-and-twist mounting secures fixture to J-box.

CABLE MOUNT (CM__)



Cable mount fixtures are provided with:

- Adjustable length aircraft cable, must specify length in 24", 48", 96", or 144" inches.
- 18-gauge cord in choice of 9 colors, see Cord Options for ordering info.
- One 5" canopy
- T-bar clip with 1/4-20 stud
- Hard ceiling anchor provided by others

POWER CORD MOUNT (PC)



Power cord mount fixtures are provided with:

- 18-gauge cord in choice of 9 colors, see Cord Options for ordering info.
- One 5" canopy
- Power cord mounting adaptor

CORD OPTIONS

Must specify cord when cable and power cord mounting.

ORDERING EXAMPLE: S2438/W				
CORD TYPE	LENGTH	# CONDUCTORS	WIRE SIZE	COLOR
S Straight	24	3	8 18-gauge	Standard
	24"	3		/W White
	48	4		/B Black
	48"	4		Braided ^[1]
	96	5		/WH White
	96"	5		/BL Black
		6		/BR Brass
		6		/AE Aegean Blue
				/RE Red
				/SV Silver
				/GU Gunmetal
				/NK Nickel
				/GR Gray

¹ (5) conductors cord only.

COLOR DETAILS

Additional colors may be available, consult factory.



6CR LED 6.5" Cylinder – Round

AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

FEATURES

Simple

- Gateway-free distributed control
- Factory pre-commissioning
- Contractor friendly installation
- Occupancy/vacancy/daylight sensing

Scalable

- Virtually unlimited network size
- Spans small offices to large warehouses
- Flexible control strategies

Secure

- Optional cloud connectivity
- UL IoT platinum security rating
- DLC 5.0 compliant

COMMISSIONING & INSTALLATION TOOLS

Avi-on mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers. Live commissioning training and on-site or remote support by Avi-on must be ordered separately through Avi-on.



Commissioning
Mobile App

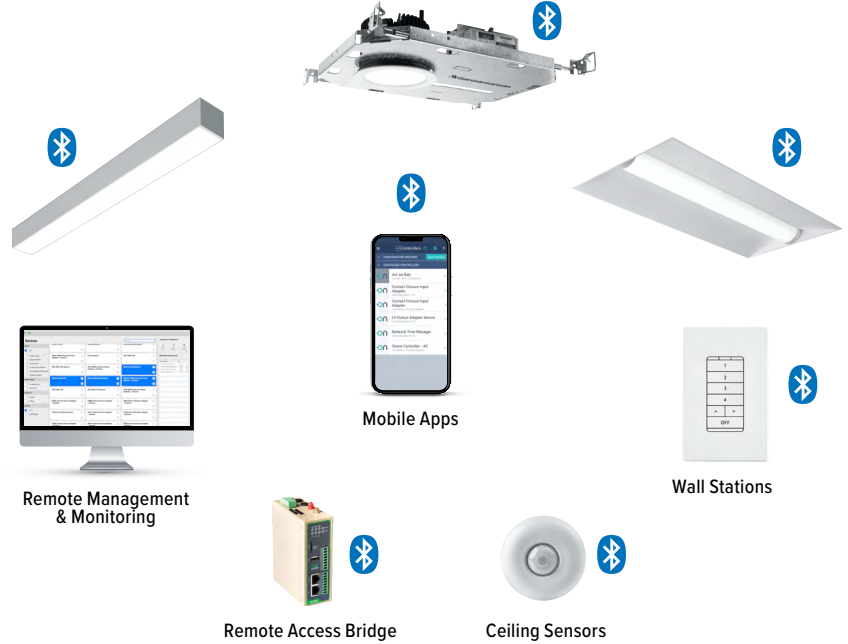


Zone Scanner
Web App



Commissioning
Pro App

SYSTEM COMPONENTS



The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Avi-on is under license. Other trademarks and trade names are those of their respective owners.

ACCESSORIES

WALL STATIONS	
AVI-2401AC	Scene controller - numbered 1-4, 120-277VAC
AVI-2402BAT	Scene controller - numbered 1-4, battery powered
AVI-2401AC-2	Dimmer with presets - percentages, 120-277VAC
AVI-2402BAT-2	Dimmer with presets - percentages, battery powered
AVI-2401AC-3	On/off/dimming, 120-277VAC
AVI-2402BAT-3	On/off/dimming, battery powered

NETWORK	
AVI-RAB-LTE	Remote access bridge
AVI-KIT-NTM	Network time manager with battery backup
CEILING MOUNT SENSORS	
AVI-KIT-SEN-DUCM	PIR motion and ultrasonic sensor kit
AVI-KIT-SEN-ICM	PIR motion and photocell sensor kit

For load controllers and additional accessory info, see hew.com/avi-on

ADDITIONAL CONTROL/DRIVER OPTIONS

Lumen restrictions apply: L50 max DALI driver, L40 max for DMX and LDE1 drivers, L15 min to L60 max for DIM LINE driver. DMX driver installed in remote box, must specify RDB Option. Lutron Athena installed in remote box when specified with SM Mounting Type, must specify RDB Option. 347V may require stepdown transformer, see product builder at hew.com/product-builder.

CATALOG NUMBER	DESCRIPTION
AVI-LVFA/DA	Avi-on wireless fixture control for use with driver with 12V auxiliary power
AWNDR/DA	Lutron Athena wireless node integral fixture control, RF only, for use with driver with 12V auxiliary power
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible at 120V only)
DMX	0.1% dimming driver for DMX controls
DALI	DALI dimming driver
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver

RDB OPTION DETAILS

