

CATALOG #: _ TYPF. PROJECT: _



ORDERING EXAMPLE: 6CRDI - TL - L22/8TWU/L22/8TWD - OPTIONS - WHT - DIM - UNV - , LW/LM - CS - TRIM OPTIONS - , CM — HOUSING – ____ TRIM ___ MOUNT.

HOUSING

SERIES LUMEN PACKAGE (Example: L22/8TWU/L13/8TWD) 6CRDI - TL Specify lumen packages: U for Uplight and D for Downlight LUMENS [5] TrimLock COLOR U OR D 8TW Tunable white (80 CRI, 2700K-5000K) ^[6] **L13** 1,300lm **U** Uplight **L22** 2,200lm **D** Downlight

OPTIONS See page 5 for EMERGENCY BATTERY OPTIONS.

RDB Remote mount control/driver box, painted black [3]

HOUSING FINISH [1] **ALUM** Silver sparkle

aluminum Textured black BRZ Textured bronze NKI Textured nickel SLV Textured silver WHT Textured white

Clear semi-specular powder coat

White texture powder coat

Black texture powder coat

Bronze texture powder coat

Nickel texture powder coat

Silver texture powder coat

Silver sparkle aluminum

CONTROL[2]

DALI Driver prewired for **DALI** applications Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT

DMX Driver prewired for DMX applications [4] Lutron T-Series 2-channel tunable white 1%.

VOLTAGE

UNV 120-277V

TRIM

TRIM TYPE AND DISTRIBUTION [7] REFLECTOR FINISH [8] (Example Uplight/Downlight: LW/LM) **Downlight Open Trim Types Downlight Lens Trim Types** Clear semi-specular anodize CS TRIM TYPE DISTRIBUTION SG Satin-glow anodize Unlight Uplight GD Gold anodize Open reflector with clear glass shield [12] W 65° Wide CG Champagne gold anodize **M** 45° Medium [14] Pewter anodize Flush lens [13] 10° Narrow [15] SPC Clear specular anodize RG Rose gold anodize Downlight Downlight WH White texture powder coat 0 Open reflector W 65° Wide Black texture powder coat Flush lens M 45° Medium

10° Narrow

TRIM OPTIONS

ΑD Diffuse acrylic lens [9] PD Diffuse 1/8" polycarbonate lens [10] Diffuse polycarbonate lens media at top of open reflector [11]

MOUNTING

MOUNTING TYPE [16]

Regressed lens

CM_ Adjustable aircraft cable mount, 24", 48", 96", or 144" only, must specify. Example: 24" cable = CM24 [17]

Wall mount

NOTES

- See page 4 for HOUSING FINISH DETAILS.
- See page 4 for CONTROL DETAILS.
- Painted white available, specify RDB/WHT.
- CM Mounting Type only.

 Lumen output based on O trim type, W distribution and CS finish, 4000K/80CRI. Actual
- lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
 90 CRI when specified with uplight CM Mounting Type.
 Beam angle based on O Trim Type, WM Mounting Type and CS Reflector Finish. Trim Type
 affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
 Specified for downlight Trim Type only. See page 4 for REFLECTOR FINISH DETAILS.
 Not available with O Trim Type. Downlight only. W distribution only.

- Not available with O Trim Type. Downlight only. W distribution only.
 O Trim Type only. Downlight only.
 CS Reflector Finish standard. Other colors available, consult factory.
 Not available with WM Mounting Type. Trim finish matches Housing Finish. Other colors available, consult factory.
 O Trim Type only when specified with WM Mounting Type.

- O Trim Type only.
 See page 5 for MOUNTING DETAILS.
 Canopy painted white unless specified otherwise. Must specify cord. See page 5 for CORD OPTIONS.



FEATURES

TrimLock[®]

- Smoothly accent walls and eliminate dark ceilings with direct and indirect lighting
- Support human-centric design with adaptive, individualized lighting using tunable white light
- 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
- Precision-engineered extruded aluminum housing and die-cast aluminum trim face for clean aesthetic
- Variety of cord colors available in standard or braided for custom design
- Open, flush, and regressed lens trim options

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 lens (acrylic downlight, tempered glass uplight).
- ELECTRICAL High-performance Class 2 LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>50,000 hours. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam
- MOUNTING Cable or wall mount. Indoor applications only. Max weight 14-1/2 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
 - 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

		DOWNLIGHT			UPLIGHT WALL MOUNT			UPLIGHT CABLE MOUNT									
ſ			OPEN REFLECTOR		FLUSH LENS REGRESSED LENS		ED LENS		OPEN REFLECTOR			OPEN REFLECTOR		FLUSH LENS			
		OIST.	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (Im/W)	DELIVERED LUMENS	EFFICACY (lm/W)	WATTAGE	DELIVERED LUMENS	EFFICACY (lm/W)	WATTAGE	DELIVERED LUMENS	EFFICACY (Im/W)	DELIVERED LUMENS	EFFICACY (lm/W)
		W	14.6	1283	88	1029	70	1040	71	14.6	1088	75	18.3	868	47	1165	64
1	₽[М	14.6	1281	88	1148	79	1149	79	14.6	1086	74	18.3	876	48	1199	66
		N	14.6	1283	88	1175	80	1181	81	14.6	1088	75	18.3	671	37	_	_
		W	24.0	2289	95	1781	74	1799	75	24.0	1941	81	22.5	1068	47	1433	64
18	77	М	24.0	2198	92	2020	84	2026	84	24.0	1863	78	22.5	1078	48	1473	65
		N	24.0	2097	87	2033	85	2043	85	24.0	1778	74	22.5	825	37	_	

MULTIPLIER TABLES

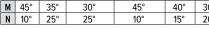
	C	COLOR TEMPERATURE				
		LUMENS				
	ССТ	DOWNLICHT	UPLIGHT			
		DOWNLIGHT	WALL	CABLE		
	2700K	0.83	0.83	_		
~	3000K	1.00	1.00	_		
80 CRI	3500K	0.99	0.99	_		
œ	4000K	1.00	1.00	_		
	5000K	0.98	0.98	_		
	2700K	_	_	0.87		
~	3000K	-	-	0.96		
90 CRI	3500K	-	-	1.02		
6	4000K	-	_	1.00		
	5000K	_	_	1.02		

TRIM OPTIONS				
CATALOG NUMBER	CONVERSION FACTOR			
AD	0.85			
PD	0.85			
TD	0.75 [2]			

	REFLECTOR FINISH				
	CATALOG NUMBER	CONVERSION FACTOR			
	CS	1.00			
	SG [1]	0.92			
	GD	0.93			
Σ	CG	0.96			
O TRIM	PW	0.86			
0	SPC	1.02			
	RG	0.88			
	WH [1]	0.89			
	BL [1]	0.47			
	WH	1.00			
	CS [1]	0.98			
Σ	BL [1]	0.79			
R TRIM	BZ [1]	0.76			
~	NK [1]	0.81			
	SV [1]	0.81			
	AL [1]	0.86			

BEAM ANGLE

	TRIM TYPE					
	DOWNLIGHT			WM UPLIGHT	LIGHT	
	OPEN	FLUSH	REGRESSED	OPEN	OPEN	FLUSH
W	65°	50°	50°	65°	70°	50°
М	45°	35°	30°	45°	40°	30°
N	10°	25°	25°	10°	15°	20°



- Use 0.67 multiplier when specified with Uplight cable

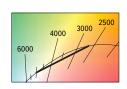
Distribution will also be affected, consult factory.

- mount.

 Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.

 Wattage shown is based on 120V input.
 Results based on 4000K/80CRI (90 CRI with Uplight CM) and CS (0 Trim Type) or WH (L and R Trim Types) Reflector Finish. Actual lumens may vary +/-5%.

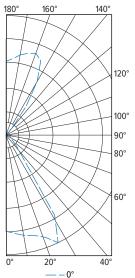
 Wattage is for downlight or uplight components. Add wattages together for selected lumen packages to find total fixture wattage.
- To calculate lumen output in emergency mode, multiply the
- battery wattage by the efficacy.
 Use multiplier tables to calculate additional options.





PHOTOMETRY

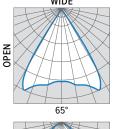
6CRDI-TL-L22/8TWU/L22/8TWD-DIM-UNV-OW/OW-CS-WM Total Luminaire Output: 4348 lumens; 48 Watts | Efficacy: 91 lm/W | 80 CRI; 4000K CCT

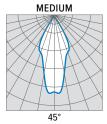


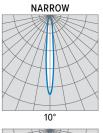
	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS	
	0	2067		
	5	2129	205	
	15	2238	640	
	25	2548	1087	
	35	351	415	
<u>S</u>	45	50	42	
Ĕ	55	13	13	
물	65	1	2	
CANDLEPOWER DISTRIBUTION	75	0	0	
꼺	85	0	1	
NO.	90	4		
픱	95	4	5	
豆	105	6	7	
CA	115	10	10	
	125	21	20	
	135	66	71	
	145	693	437	
	155	1681	745	
	165	1744	495	
	175	1585	155	
	180	1520		

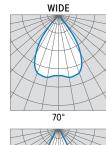
	ZONE	LUMENS	% FIXTURE
≿	0 - 30	1932	44
MA	0 - 40	2347	54
≅	0 - 60	2401	55
NS	0 - 90	2404	55
LUMEN SUMMARY	90 - 120	21	1
=	90 - 150	549	13
	90 - 180	1944	45
	0 - 180	4348	100

WALL MOUNT WIDE

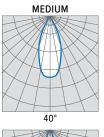


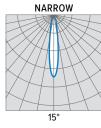


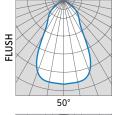


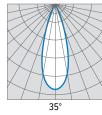


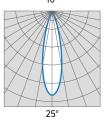
UPLIGHT CABLE MOUNT

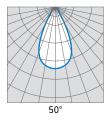


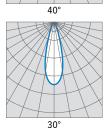


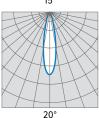


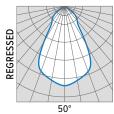


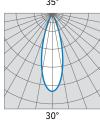


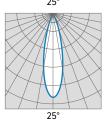












TRIMLOCK DETAILS

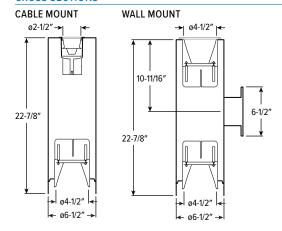




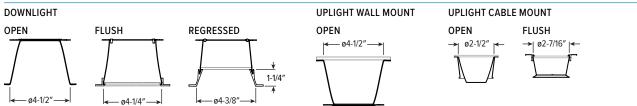




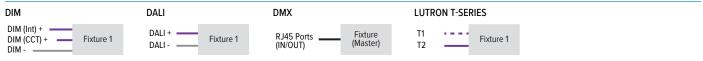
CROSS SECTIONS



TRIM TYPE DETAILS



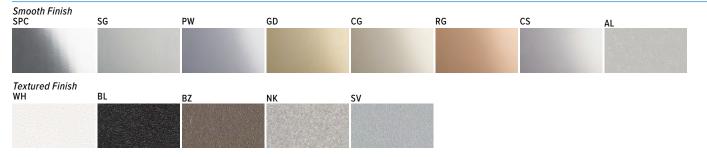
CONTROL DETAILS



HOUSING FINISH DETAILS



REFLECTOR FINISH DETAILS





EMERGENCY BATTERY OPTIONS

Max remote distance 50', including suspension length. Emergency light defaults to downlight output. 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]		

For use in grid ceiling installations only.

RDB OPTION DETAILS TEST SWITCH DETAILS Hex box, flex, & low-voltage conductors (by others) Standard To test Regressed Remote

MOUNTING DETAILS

CABLE MOUNT (CM__)

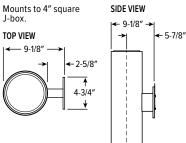


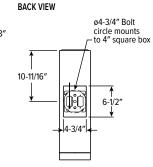
Cable mount fixtures are provided with:

- 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

WALL MOUNT (WM)







CORD OPTIONS

Must specify cord when cable mounting.

ORDERING EXAMPLE: S2438/W								
CORD TYPE	LENGTH	# CONDUCTORS	WIRE SIZE	COLOR				
S Straight	24 24" 48 48" 96 96"	3 3 4 4 5 5 6 6	8 18-gauge	Standard /W White /B Black Braided (1) /WH White /BL Black /BR Brass /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. Aegean Blue White Black Red Brass Silver Gunmetal Nickel

² Not available when CEC regulations are required.