

CATALOG #: _____
TYPE: _____
PROJECT: _____

FEATURES

- Tunable color, including white tuning, from 1650K to 8000K, minimum 90 CRI
- Beam angles ranging from 10° narrow to 65° wide for tailored performance
- Open reflector with 9 finishes to complement any interior style
- Die cast trim choices include flush, regressed or angled lens
- Contemporary design provides glare-free illumination for a soft ceiling appearance

SPECIFICATIONS

- HOUSING** – Die-cast aluminum trim housing with forged aluminum heat sink. Galvanized steel splice compartment with driver mounting plate/enclosure. Swing-out mounting arms adjust for ceiling thickness from 1/2" - 1-1/4" (consult factory for additional ceiling thicknesses).
- OPEN REFLECTOR** – Low-iridescent anodized aluminum. Clear semi-specular finish standard.
- LENSED TRIM** – Die-cast aluminum frame with micro-prismatic, tempered glass lens.
- ELECTRICAL** – Five color, mid-power LED modules. On board thermal and optical feedback ensure color consistency of <2 step MacAdam ellipse (SDCM) and reported L70>50,000 hours. In-line spectral capture and storage results in consistent CRI and CCT across all arrays.
- MOUNTING** – Recessed. 20 ga. galvanized steel mounting pan for new construction.
- LISTINGS** –
 - cCSAus conforms to UL STD 1598; Certified to CAN/CSA STD C22.2 No. 250.0 for damp locations.
 - Suitable for wet location under covered ceiling when specified with WET/CC or TD options.
 - RoHS compliant.
- WARRANTY** – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: 6DR - L21/9TC - OPTIONS - DIM - 120 - OW - OF - CS - TRIM OPTIONS - N - F1

HOUSING

SERIES	LUMENS ^[1]	COLOR	OPTIONS	CONTROL	VOLTAGE
6DR	L14 1,400lm	9TC Tunable color (90 CRI, 1650K-8000K)	F Fuse kit	BTL Bluetooth LE enabled	120 120V 277 277V
	L21 2,100lm			DALI DALI Type 8 enabled	
				DIM (1) 0-10V signal to control dimming (1) 0-10V signal to control CCT (will only control white light CCT range, will not have pure color output)	
				DMX DMX enabled	
				LUT Lutron Ecosystem enabled	
				WS Wattstopper DLM enabled	

TRIM ^[2]

TRIM TYPE	DISTRIBUTION ^[3]	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
O Open reflector	W Wide	OF 1/2" standard flange	Open trim types	MWT Textured white trim flange ^[10]
L Flush lens ^[4]	65° Open		CS Clear semi-specular anodize	IP IP65 rated trim ^[11]
R Regressed lens ^[5]	55° Flush		SG Satin-glow anodize	AD Diffuse acrylic lens ^[12]
A Angled lens ^[6]	55° Regressed		GD Gold anodize	PD Diffuse 1/8" polycarbonate lens ^[13]
S Non-conductive flush lens for shower applications ^[7]	M Medium		CG Champagne gold anodize	TD Diffuse polycarbonate lens media at top of open reflector ^[14]
	N Narrow		PW Pewter anodize	
	10° Open		SPC Clear specular anodize	
	WW Wall wash ^[8]		RG Rose gold anodize	
			WH White texture powder coat	
			BL Black texture powder coat	
			Lens trim types	WET/CC Wet location, covered ceiling listed
			CS Clear semi-specular powder coat	AM Anti-microbial ^[15]
			WH White texture powder coat	
			BL Black texture powder coat	
			MB Black texture splay with white flange ^[9]	

MOUNTING

MOUNTING TYPE ^[16]	MOUNTING HARDWARE ^[17]
N Open pan for new construction	F1 Factory-installed 2-position fixed pan bracket, universal bar hanger included ^[18]
	BA1 Adjustable butterfly pan bracket, bar hanger not included
	CA1 Adjustable caterpillar pan bracket, universal bar hanger included

NOTES

- ¹ Lumen output based on O trim type, W distribution and CS finish, 4000K/90CRI. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- ² Trim ships separately.
- ³ Beam angle based on CS reflector finish.
- ⁴ Available with W Distribution only.
- ⁵ Available with W Distribution only.
- ⁶ Available with WW Distribution only.
- ⁷ W Distribution, OF Flange Type, WH Reflector Finish only. Standard with AD diffuse acrylic lens. IP and WET/CC options standard.
- ⁸ O and A Trim Types only.
- ⁹ R Trim Type only. Not available with MWT.
- ¹⁰ Not available with WH Reflector Finish, L or S Trim Types.
- ¹¹ L and R trim types only.
- ¹² Not available with O trim type. W distribution only.
- ¹³ Not available with O Trim Type. W distribution only.
- ¹⁴ O Trim Type only. WET/CC standard.
- ¹⁵ WH and BL Reflector Finishes only. Not available with S Trim Type.
- ¹⁶ Mounting hardware required, ordered separately, see MOUNTING HARDWARE ordering info. See page 4 for MOUNTING TYPE DETAILS.
- ¹⁷ Additional mounting hardware options available. See page 5 for MOUNTING HARDWARE DETAILS.
- ¹⁸ Universal bar hanger ships uninstalled.

FIXTURE PERFORMANCE DATA

OPEN REFLECTOR TRIM TYPE

	DIST.	COLOR	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L14	W	4000K	1432	24.0	59.7
		RED	151	4.1	36.8
		BLUE	68	6.9	9.9
		GREEN	484	10.8	44.8
	M	4000K	1389	24.0	57.9
		RED	147	4.1	35.9
		BLUE	66	6.9	9.6
		GREEN	470	10.8	43.5
	N	4000K	1329	24.0	55.4
		RED	140	4.1	34.1
		BLUE	63	6.9	9.1
	L21	W	4000K	2141	40.1
RED			231	6.8	34.0
BLUE			104	11.5	9.0
GREEN			741	18.0	41.2
M		4000K	2136	40.1	53.3
		RED	224	6.8	32.9
		BLUE	100	11.5	8.7
		GREEN	718	18.0	39.9
N		4000K	2182	40.1	54.4
		RED	215	6.8	31.6
		BLUE	96	11.5	8.3
		GREEN	687	18.0	38.2

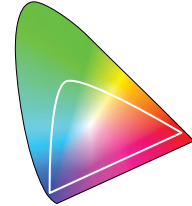
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is based on 120V input.
- Actual lumens may vary +/-5%
- Use multiplier tables to calculate additional options.

FLUSH LENS TRIM TYPE

	DIST.	COLOR	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L14	W	4000K	1194	24.0	49.8
		RED	126	4.1	30.7
		BLUE	56	6.9	8.1
		GREEN	404	10.8	37.4
L21	W	4000K	1682	40.1	41.9
		RED	193	6.8	28.4
		BLUE	86	11.5	7.5
		GREEN	617	18.0	34.3

REGRESSED LENS TRIM TYPE

	DIST.	COLOR	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L14	W	4000K	1094	24.0	45.6
		RED	116	4.1	28.3
		BLUE	52	6.9	7.5
		GREEN	370	10.8	34.3
L21	W	4000K	1556	40.1	38.8
		RED	177	6.8	26.0
		BLUE	79	11.5	6.9
		GREEN	565	18.0	31.4



MULTIPLIER TABLES

WHITE CONVERSION FACTOR		
CCT	LUMENS	WATTS
2000K	0.46	0.45
2700K	0.74	0.63
3000K	0.85	0.74
3500K	0.94	0.87
4000K	1.00	1.00
5000K	0.94	0.97
6000K	0.86	0.96
8000K	0.70	0.81

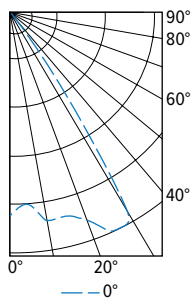
	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
	SG ¹	0.92
	GD	0.93
	CG	0.96
	PW	0.86
	SPC	1.02
	RG	0.88
	WH ¹	0.89
BL ¹	0.47	
R TRIM	WH	1.00
	CS	0.98
	BL	0.79

TRIM	
CATALOG NUMBER	CONVERSION FACTOR
S	0.85
AD	0.85
PD	0.85
TD	0.75
WET/CC ²	0.85

- Distribution will also be affected, consult factory.
- Use multiplier when specified with O Trim Type.

PHOTOMETRY

6DR-TL-L21/9TC-DIM-120-OW-OF-CS Total Luminaire Output: 2141 lumens; 40.1 Watts | Efficacy: 53.4 lm/W | 97.6 CRI; 3598K CCT



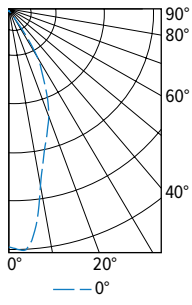
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1801	
	5	1701	162
	15	1869	530
	25	2135	988
	35	651	409
	45	50	38
	55	14	13
	65	2	2
	75	0	0
	85	0	0
	90	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
		0 - 40	2088
	0 - 60	2140	100
	0 - 90	2141	100
	0 - 180	2141	100



6DR tunable COLOR 6" Downlight – Round

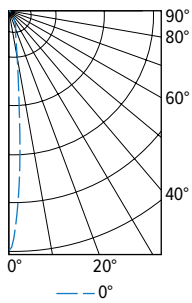
6DR-TL-L21/9TC-DIM-120-OM-OF-CS Total Luminaire Output: 2136 lumens; 40.1 Watts | Efficacy: 53.3 lm/W | 97.6 CRI; 3579K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	
		0°	ZONAL LUMENS
	0	4322	
	5	4278	372
	15	2504	705
	25	1521	698
	35	426	295
	45	50	44
	55	15	14
	65	4	4
	75	1	1
	85	0	0
	90	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2071	97
	0 - 60	2129	100
	0 - 90	2136	100
	0 - 180	2136	100

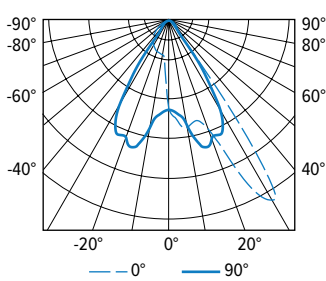
6DR-TL-L21/9TC-DIM-120-ON-OF-CS Total Luminaire Output: 2182 lumens; 40.1 Watts | Efficacy: 54.4 lm/W | 97.6 CRI; 3578K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	
		0°	ZONAL LUMENS
	0	23694	
	5	10587	809
	15	2188	640
	25	1100	523
	35	261	192
	45	14	11
	55	4	4
	65	1	1
	75	0	0
	85	0	0
	90	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2164	99
	0 - 60	2180	100
	0 - 90	2182	100
	0 - 180	2182	100

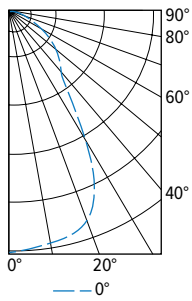
6DR-TL-L21/9TC-DIM-120-OWW-OF-CS Total Luminaire Output: 1087 lumens; 40.1 Watts | Efficacy: 27.1 lm/W | 97.6 CRI; 3568K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
	0	832	832	832	832	832	
	5	940	908	867	532	434	71
	15	960	939	1215	296	315	201
	25	1672	996	1132	258	296	366
	35	580	431	404	222	253	227
	45	46	39	95	179	199	85
	55	23	22	58	125	131	64
	65	17	16	35	75	78	43
	75	7	5	16	42	42	24
	85	0	0	3	11	9	6
	90	0	0	0	0	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	865	80
	0 - 60	1014	93
	0 - 90	1087	100
	0 - 180	1087	100

6DR-TL-L21/9TC-DIM-120-LW-OF-WH Total Luminaire Output: 1682 lumens; 40.1 Watts | Efficacy: 41.9 lm/W | 97.6 CRI; 3549K CCT



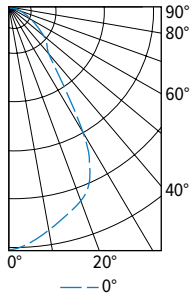
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	
		0°	ZONAL LUMENS
	0	1070	
	5	1053	100
	15	1028	290
	25	886	398
	35	453	295
	45	303	234
	55	205	183
	65	114	114
	75	51	55
	85	11	13
	90	1	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1083	64
	0 - 60	1500	89
	0 - 90	1682	100
	0 - 180	1682	100



6DR tunable COLOR 6" Downlight – Round

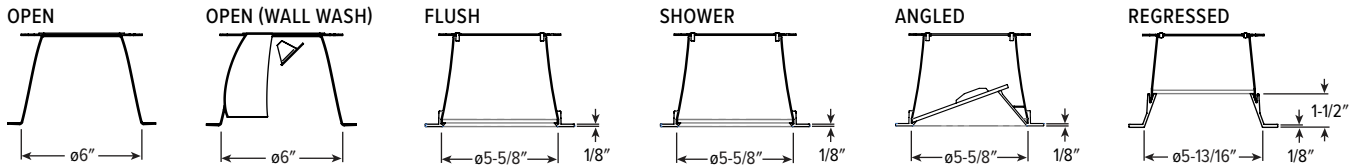
6DR-TL-L21/9TC-DIM-120-RW-OF-WH Total Luminaire Output: 1556 lumens; 40.1 Watts | Efficacy: 38.8 lm/W | 97.6 CRI; 3549K CCT



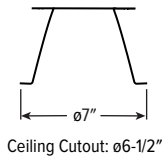
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1151	
	5	1123	106
	15	1026	290
	25	901	404
	35	425	280
	45	249	193
	55	168	150
	65	88	87
	75	33	36
	85	9	10
	90	1	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1079	69
	0 - 60	1423	91
	0 - 90	1556	100
	0 - 180	1556	100

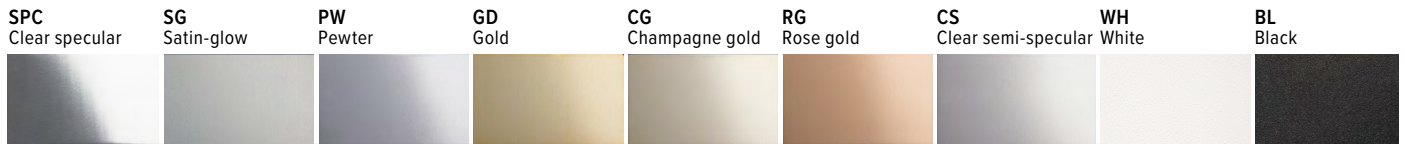
TRIM TYPE DETAILS



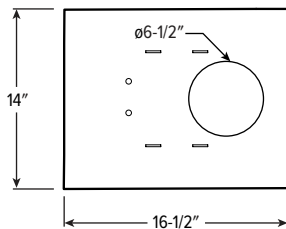
FLANGE TYPE DETAILS



REFLECTOR FINISH DETAILS

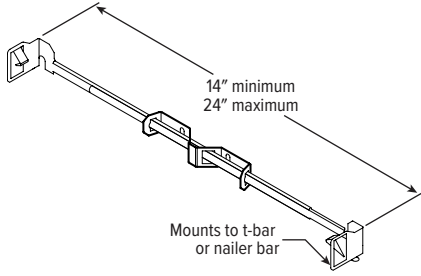


MOUNTING TYPE DETAILS

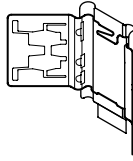


MOUNTING HARDWARE DETAILS

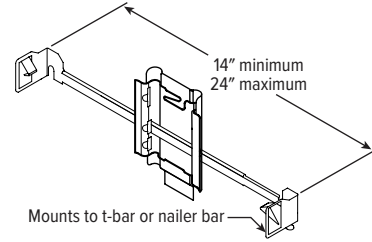
F1 Factory-installed 2-position fixed pan bracket, universal bar hanger included, ships uninstalled



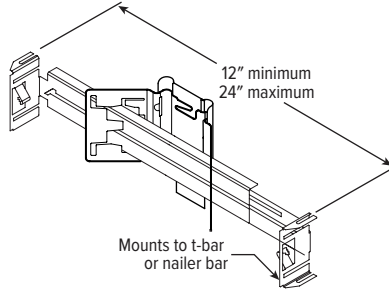
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



CA1 Adjustable caterpillar pan bracket, universal bar hanger included (N Mounting Type only)



BA2 Adjustable butterfly pan bracket, heavy-duty universal bar hanger included (N Mounting Type only)



CA2 Adjustable caterpillar pan bracket, t-bar hanger included (N Mounting Type only)

