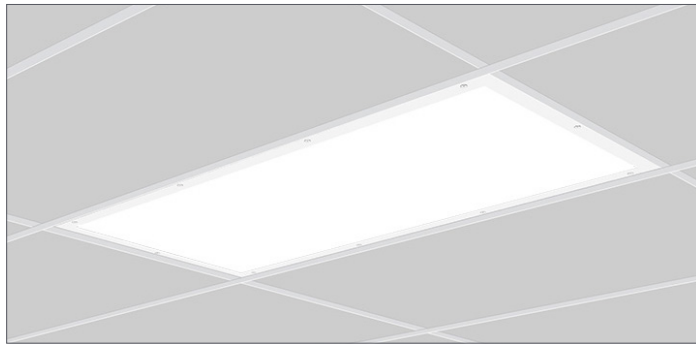
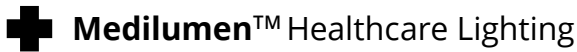


CARLISLE TC6

LED . RECESSED . DIRECT



- Efficacy up to 125 LPW
- Recessed design reduces exposed surface area for efficient cleaning
- Wet location rated
- Optional antimicrobial finish
- Optional 90 CRI to meet Color Observation Index



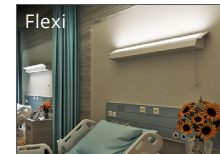
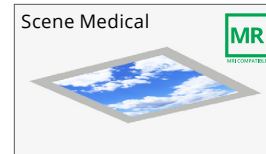
PART #:	
PREP BY:	DATE:
PROJECT:	QTY:
NOTES:	
APPROVAL SIGNATURE:	DATE (DD/MM/YYYY):

PERFORMANCE SUMMARY @ 4000K, L3

		P12 OPTICS	
		2 x 2	2 x 4
Lumens	80 CRI	3970	6315
	90 CRI	3382	5380
Wattage		33	51
Efficacy (LPW)	80 CRI	120	124
	90 CRI	102	106
L80 Estimate (h)		≥ 50,000 hrs	

¹ See page 2 for complete Light Level Performance chart and 90 CRI Lumen Adjustment Factor chart.

OTHER MEDILUMEN PRODUCTS



ORDERING LOGIC

Example Part Number: TC6-2L35K-24-P12-W-L31-T-4-90

TC6										
1	2	3	4	5	6	7	8	9	10	11
1. SERIES TC6	2. COLOR TEMP 2L30K 3000K 2L35K 3500K 2L40K 4000K 2L50K 5000K ¹ 90 CRI is available under OPTIONS	3. SIZE 22 2 x 2 ft 24 2 x 4 ft	4. OPTICS P12 Frosted Pattern 12 Prismatic Acrylic (0.095" Thick) (Standard) P13 Clear Prismatic Acrylic P12 (0.125" Thick) P73 Smooth Opal Acrylic P82 White Translucent ² P97 Frosted Pattern 19 Acrylic (0.156" Thick)	5. FINISH W White AM Antimicrobial White Paint	6. LIGHT LEVEL / DRIVER L1 Select Driver below. L2 See a complete Light Level Performance chart on page 2. L3 L4	7. CIRCUITRY 1 1 Circuit B Battery Pack	8. MOUNTING D Recessed Drywall T Recessed T-bar	9. VOLTAGE 3 347 V 4 UNV (120 - 277 V)	10. CONTROLS / SENSORS Consult factory	11. OPTIONS 90 90 CRI, High R9 X5 NSF (National Sanitation Foundation) _ None (leave space empty)

1. Consult factory. | 2. For X5 - P82 must be used as an interior lens only and in conjunction with P13 or P12 Standard lens. For X5 option, smooth side must face down.

Select Driver:

- ☐ **FD** Factory Standard 0-10V, Dimming to 1%
☐ **D2** DALI
☐ **BD** Bi-Level Step Dimming (not available for 347V)

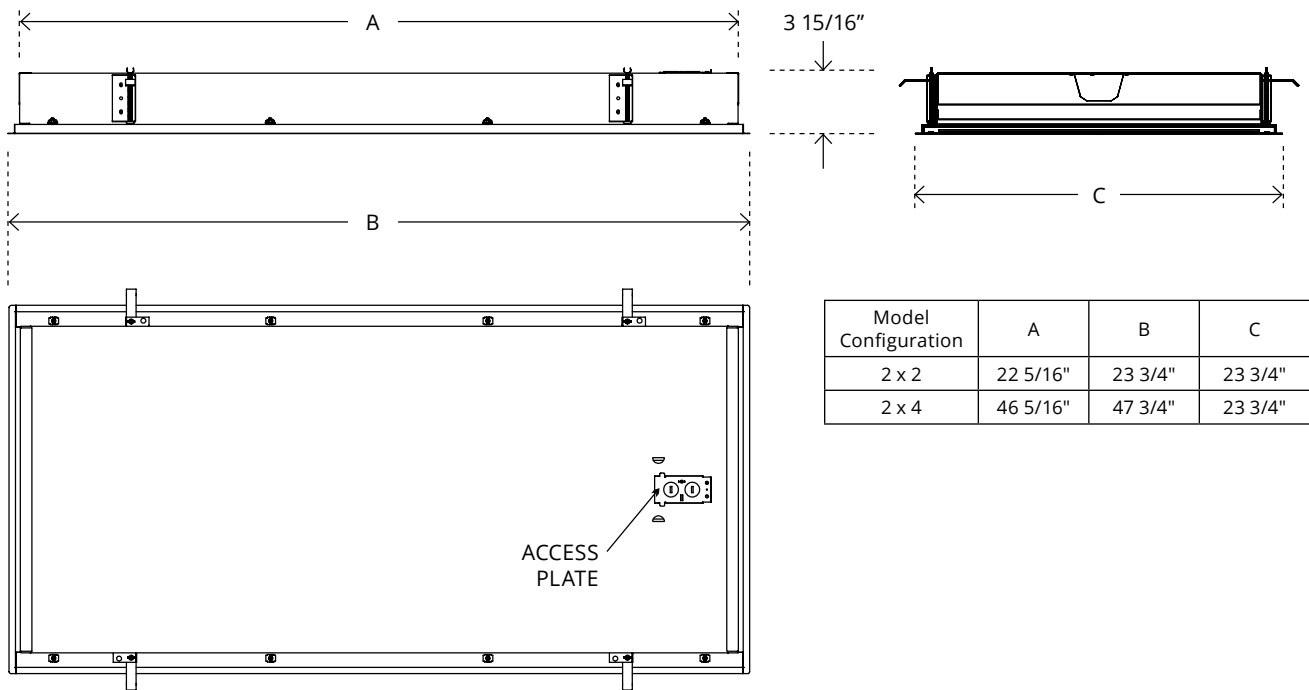
Light Level Performance at 4000K, P12 Optics

Size	Light Level	80 CRI			90 CRI		
		Lumens	Wattage	Efficacy (lm/W)	Lumens	Wattage	Efficacy (lm/W)
2 x 2	L1	2687	22	122	2289	22	104
	L2	3599	30	120	3066	30	102
	L3	3970	33	120	3382	33	102
	L4	4596	41	112	3916	41	96
2 x 4	L1	4010	32	125	3417	32	107
	L2	4863	39	125	4143	39	106
	L3	6315	51	124	5380	51	105
	L4	7720	64	121	6577	64	103
	L5	9037	78	116	7700	78	99

Lumen Adjustment Factor

Color Temp	80 CRI	90 CRI
3000K	0.984	0.880
3500K	1.000	0.875
4000K	1.032	0.879

CROSS SECTIONS & DIMENSIONS



Model Configuration	A	B	C
2 x 2	22 5/16"	23 3/4"	23 3/4"
2 x 4	46 5/16"	47 3/4"	23 3/4"

SPECIFICATIONS

Due to the Continuous Improvement Policy at Metalumen, we reserve the right to change our specifications without notice.

Housing: Die-formed and spot welded, steel housing assembly and 20 gauge steel door frame. Triple gasketed with sealed lens, gasketed door frame assembly and gasketed housing flange.

Optical System: One piece perimeter door frame with inverted frosted, prismatic pattern #12, sealed acrylic lens. Other lenses available (see

options).

CRI: 80+ CRI. 90 CRI is an option.

Lumen Maintenance: At an ambient operating temperature of 35°C, the LED lifetime expectancy is $\geq 50,000$ hrs at L80.

Finish: White, polyester powder painted housing.

Mounting: Holes provided for

chain-mounting support to building structure. Lay-in type luminaire for exposed grid type acoustical ceiling structure and swing style mounting brackets for drywall ceiling installation.

Electrical: Long life LEDs coupled with high efficiency drivers provide quality illumination.

Drivers: Standard low voltage dimming (0-10V).

Approvals: Tested in accordance to IESNA LM-79. cULus listing pending. IC rated.

Environment: Suitable for wet locations.

WARRANTY

Metalumen will warrant defective luminaires for 5 years from date of purchase. Warranty is valid if luminaire is installed and used according to specification. If defective, Metalumen will send replacement boards or drivers at no cost along with detailed replacement instructions and instructions on how to return defective components to Metalumen.

PHOTOMETRIC DATA - 4000K, 80 CRI

Optics: **P12 Frosted Pattern 12**
Prismatic Acrylic
 IES File: **TC6-2L40K-22-P12-L3**
 Lumens: **3970** Wattage: **33**
 Efficacy: **120 lm/W**
 Efficacy: **106 lm/W**

ZONAL LUMEN SUMMARY

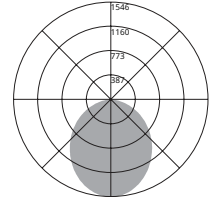
Zone	Lumens	%Fixt
0-90	2498	48.0
90-180	2607	51.1
0-180	5105	100.0

LUMINANCE DATA (CD/M2)

Vertical Angle	Horizontal Angle		
	0	45	90
45	6785	3356	2698
55	5602	2338	1768
65	4291	1432	1063
75	2799	698	472
85	1096	154	111

PHOTOMETRIC CURVE

100% Down



Optics: **P12 Frosted Pattern 12**
Prismatic Acrylic
 IES File: **TC6-2L40K-24-P12-L3**
 Lumens: **6315** Wattage: **51.3**
 Efficacy: **123 lm/W**
 Efficacy: **107 lm/W**

ZONAL LUMEN SUMMARY

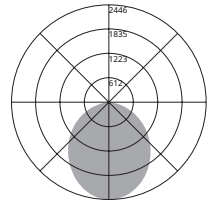
Zone	Lumens	%Fixt
0-90	2405	46.5
90-180	2763	53.5
0-180	5168	100.0

LUMINANCE DATA (CD/M2)

Vertical Angle	Horizontal Angle		
	0	45	90
45	5863	2841	2359
55	4751	2033	1717
65	3676	1377	1175
75	2359	842	744
85	841	444	434

PHOTOMETRIC CURVE

100% Down



Photometric performance is measured and scaled in accordance with IESNA LM-79.