

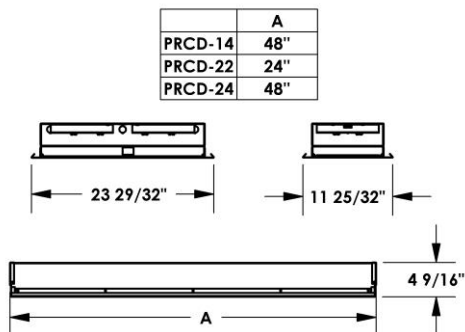
PROJECT:

NOTES:

ORDERING INFORMATION:

**EXAMPLE** PRCD - 24 - LED - 40 - 9 - 40 - H1 - MV - EM - CO1 - DA  
 SERIES      NOM. LENGTH      SOURCE      LUMENS      CRI      KELVINS      LENS      VOLTAGE      OPTIONS      CONTROLS      DRIVER

SHOP DRAWINGS



ORDERING INFORMATION

SERIES	
PRCD	
NOMINAL LENGTH	
14	12" x 48"
22	24" x 24"
24	24" x 48"

KELVIN	
30	3000K
35	3500K
40	4000K
50	5000K
TW	Tunable White
LENS	
A0	Acrylic K12 - 0.095"
A1	Acrylic K12 - 0.125"
H1	White Opal Acrylic - 0.125"
L1	Frosted Acrylique - 0.118"

SOURCE	
LED	

LUMENS		
Lumen Package*	Nom. Lumens	Wattage
12" x 48"		
30	3,000	23
40	4,000	30
50	5,000	38
24" x 24"		
30	3,000	23
40	4,000	30
50	5,000	38
24" x 48"		
40	4,000	27
60	6,000	41
80	8,000	55

\*Other lumen packages available.

CRI	
BLANK	80 CRI
9	90 CRI

VOLTAGE	
MV	120-277V
347	347V

OPTIONS	
EM	Emergency Power Pack

**CONTROLS**  
 Click on the following link for control options:  
<https://bit.ly/2C5IXqa>

**DRIVER**  
 BLANK Non-dimming applications  
 DM 0-10V dimming  
 DA DALI Driver  
 Click on the following link for special driver options:  
<https://bit.ly/2FqZ6qU>

FEATURES

- > Specification grade, recessed, lay-in T-Bar luminaire for use with indoor air handling applications
- > Reinforcement ribs and rolled edge channel provide superior strength
- > Frosted prismatic lens ensures effective light diffusion without LED pixelation
- > Minimum 80 CRI; color range 3000K - 5000K available
- > Tunable White option available
- > Multiple dimming protocols available
- > Variety of lenses available for smooth and uniform illumination
- > Efficacies up to 155 lm/W
- > 100% made in Canada

APPLICATIONS

- > Offices
- > Schools
- > Retail Stores
- > Commercial Applications
- > Institutional lighting

LED

FIXTURE PERFORMANCE DATA

SPECIFICATIONS

**Housing/Reflector** – Precision die-formed 22-gauge C.R.S.

**Shielding** – White opal acrylic diffuser is standard. Variety of other lens options available.

**Finish** – Baked white enamel powder finish applied post production on all surfaces for smooth edges and safe handling.

**Electrical** – High quality mid-power LED boards. L85 >50,000 hours

**Mounting** – T-Bar ceiling

**Listings** –

■ CSA certified as luminaire suitable for dry or damp locations.

■ cUL certified as luminaire suitable for dry or damp locations.

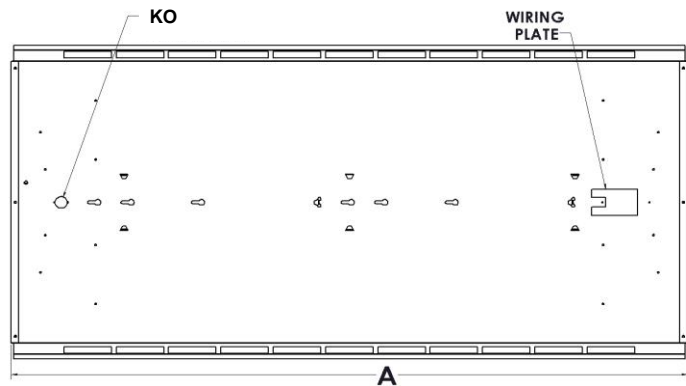
**Warranty** – 5-year limited warranty

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
12" x 48"			
30	2,932	26	113
40	4,010	38	106
50	5,039	50	101
24" x 24"			
30	2,956	31	95
40	3,985	40	100
50	4,954	52	95
24" x 48"			
40	4,007	36	111
60	5,970	59	101
80	7,979	74	108

\*Results based on 4000K, 80 CRI, white opal lens (H1)

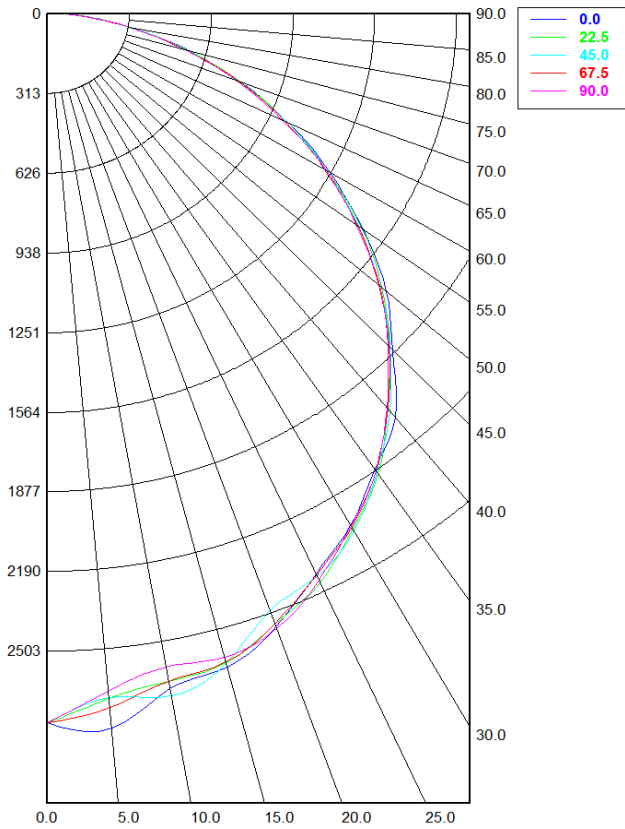
MULTIPLIER TABLE	
COLOR TEMPERATURE	
CCT/CRI	CONVERSION FACTOR
3000K / 80 CRI	0.95
3500K / 80 CRI	0.97
4000K / 80 CRI	1
5000K / 80 CRI	1.03

FIXTURE DETAILS



**PHOTOMETRY**

PRCD-24-LED-80-40-H1-MV Total Luminaire Output: 7,979 lumens; 74 Watts



**Candela Distribution**

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	2,784.41	2,784.41	2,784.41	2,784.41	2,784.41
5.00°	<b>2,815.32</b>	2,698.74	2,693.41	2,734.12	2,670.02
10.00°	2,690.67	2,660.16	2,720.30	2,660.93	2,604.49
15.00°	2,654.40	2,638.11	2,639.21	2,635.33	2,616.35
20.00°	2,558.53	2,548.39	2,491.19	2,546.52	2,566.64
25.00°	2,428.21	2,464.87	2,438.17	2,431.38	2,455.01
30.00°	2,320.96	2,337.66	2,346.23	2,329.01	2,323.91
35.00°	2,185.43	2,206.17	2,196.58	2,191.09	2,191.89
40.00°	2,070.21	2,021.96	2,036.46	2,025.24	2,019.74
45.00°	1,867.63	1,854.31	1,852.27	1,847.42	1,840.86
50.00°	1,693.97	1,670.11	1,660.09	1,654.44	1,658.09
55.00°	1,473.34	1,470.36	1,451.83	1,449.75	1,442.39
60.00°	1,248.88	1,233.26	1,236.45	1,225.37	1,232.32
65.00°	1,016.04	1,012.22	1,014.73	999.21	989.60
70.00°	784.55	786.35	773.53	778.35	769.38
75.00°	551.11	549.32	538.05	538.79	535.49
80.00°	333.90	336.20	332.34	328.78	327.38
85.00°	159.21	155.80	150.51	148.29	145.93
90.00°	37.65	36.67	34.65	28.73	31.84

**Spacing Criterion:**

Two luminaires, plane 0°	1.24
Two luminaires, plane 90°	1.24
Four luminaires	1.37

**Zonal Lumen Summary**

Zone	Lumens	% Fixture
0.00° - 10.00°	273.64	3.43%
10.00° - 20.00°	739.11	9.26%
20.00° - 30.00°	1,123.80	14.08%
30.00° - 40.00°	1,368.12	17.14%
40.00° - 50.00°	1,425.44	17.86%
50.00° - 60.00°	1,296.88	16.25%
60.00° - 70.00°	993.82	12.45%
70.00° - 80.00°	577.34	7.23%
80.00° - 90.00°	181.73	2.28%
90.00° - 100.00°	9.24	0.12%
100.00° - 110.00°	0.00	0.00%
110.00° - 120.00°	0.00	0.00%
120.00° - 130.00°	0.00	0.00%
130.00° - 140.00°	0.00	0.00%
140.00° - 150.00°	0.00	0.00%
150.00° - 160.00°	0.00	0.00%
160.00° - 170.00°	0.00	0.00%
170.00° - 180.00°	0.00	0.00%
0.00° - 90.00°	7,979.88	100.00%
90.00° - 180.00°	9.24	0.12%
0.00° - 180.00°	7,979.88	100.00%

