

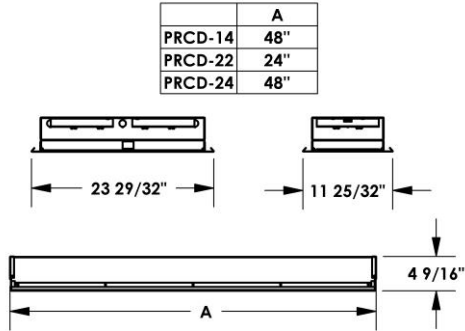
PROJECT:

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



MADE IN CANADA
FAIT AU CANADA

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 - 0.95"
A1	Acrylic K12 - 0.125"
H1	White Opal Acrylic - 0.125"
L1	Frosted Acrylique - 0.118"

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>

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

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 – Prismatic 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.

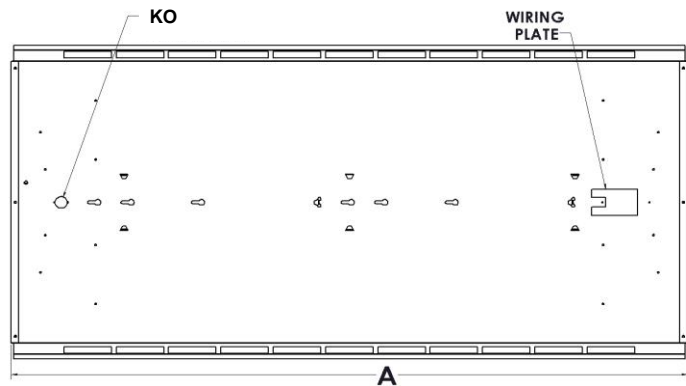
Warranty – 5-year limited warranty

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
12" x 48"			
30	3,062	23	133
40	4,008	30	134
24" x 24"			
30	3,120	23	136
40	4,091	30	136
50	5,146	38	135
24" x 48"			
40	4,191	27	155
60	6,283	41	153
80	8,375	55	152

*Results based on 4000K, 80 CRI, Acrylic K12 (0.95")

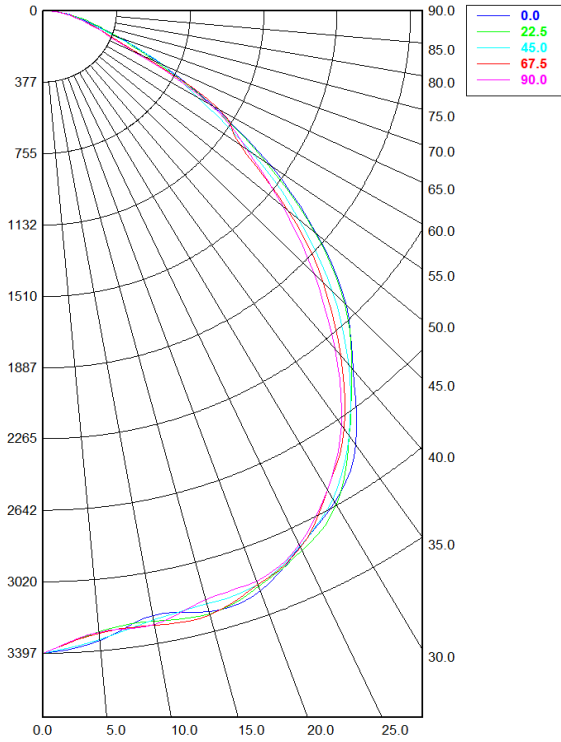
MULTIPLIER TABLE	
COLOR TEMPERATURE	
CCT/CRI	CONVERSION FACTOR
3000K / 80 CRI	0.95
3500K / 80 CRI	0.97
4000K / 80 CRI	1
5000K / 80 CRI	1.03

FIXTURE DETAILS



PHOTOMETRY

PRCD-24-LED-80-40-A0-MV Total Luminaire Output: 8,152 lumens; 52 Watts



Candela Distribution

	0.00°	22.50°	45.00°	67.50°	90.00°
0.00°	3,397.39	3,397.39	3,397.39	3,397.39	3,397.39
5.00°	3,343.79	3,297.74	3,337.07	3,303.01	3,298.15
10.00°	3,247.14	3,276.19	3,269.67	3,300.77	3,294.19
15.00°	3,291.42	3,303.07	3,247.65	3,306.83	3,223.74
20.00°	3,263.71	3,239.31	3,227.66	3,227.72	3,208.24
25.00°	3,126.15	3,151.55	3,125.01	3,133.82	3,114.46
30.00°	3,000.96	3,015.65	2,979.52	2,926.81	2,924.71
35.00°	2,801.47	2,744.16	2,741.27	2,699.44	2,673.45
40.00°	2,477.09	2,467.00	2,443.35	2,378.34	2,331.86
45.00°	2,203.32	2,192.95	2,104.18	2,038.02	1,969.07
50.00°	1,839.53	1,827.97	1,714.71	1,644.86	1,605.96
55.00°	1,423.10	1,393.09	1,302.38	1,230.08	1,274.44
60.00°	1,004.14	991.58	914.85	1,043.22	986.53
65.00°	667.28	642.11	677.11	556.97	520.36
70.00°	414.15	405.76	396.80	332.29	320.45
75.00°	250.30	265.60	229.91	214.71	210.42
80.00°	152.65	156.64	141.83	136.33	132.09
85.00°	56.79	56.79	57.78	54.80	52.88
90.00°	7.63	10.30	10.81	10.39	8.52

Zonal Lumen Summary

Zone	Lumens	% Fixture
0.00° - 10.00°	334.74	4.11%
10.00° - 20.00°	924.24	11.34%
20.00° - 30.00°	1,435.87	17.61%
30.00° - 40.00°	1,692.55	20.76%
40.00° - 50.00°	1,605.62	19.70%
50.00° - 60.00°	1,188.84	14.58%
60.00° - 70.00°	637.57	7.82%
70.00° - 80.00°	260.16	3.19%
80.00° - 90.00°	72.26	0.89%
90.00° - 100.00°	2.71	0.03%
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°	8,151.86	100.00%
90.00° - 180.00°	2.71	0.03%
0.00° - 180.00°	8,151.86	100.00%

Spacing Criterion:

Two luminaires, plane 0°	1.3
Two luminaires, plane 90°	1.26
Four luminaires	1.33