



PA3C06

6" LOW VOLTAGE DIMMABLE LED PANEL LIGHT, 12V 14W
3000K (Warm White) 6000K (COOL WHITE)

Specifications



Model No.:	PA3C06
Input Voltage:	12V DC
Wattage:	14W
LED Quantity:	72
Input Current:	960mA
Color Temperature:	3000K (Warm White) 6000K (Cool White)
Brightness:	640 Lumens
Body Color:	White
Dimmable:	Yes
Rendering Index:	CRI>80
IC Rated:	Yes
IP Rated:	IP20 (Damp Locations)
Wire Length:	50 cm (19.6 in) 20AWG
Dimensions:	Ø 173 mm (6.81 in), Depth 26 mm (1in)
Cut Size:	Ø 160 mm (6.3 in)
Certification:	UL



3000K(Warm White)

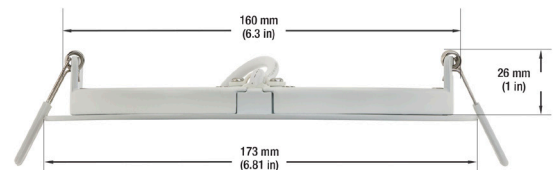
SKU: 666561404925

6000K(Cool White)

SKU: 666561404963

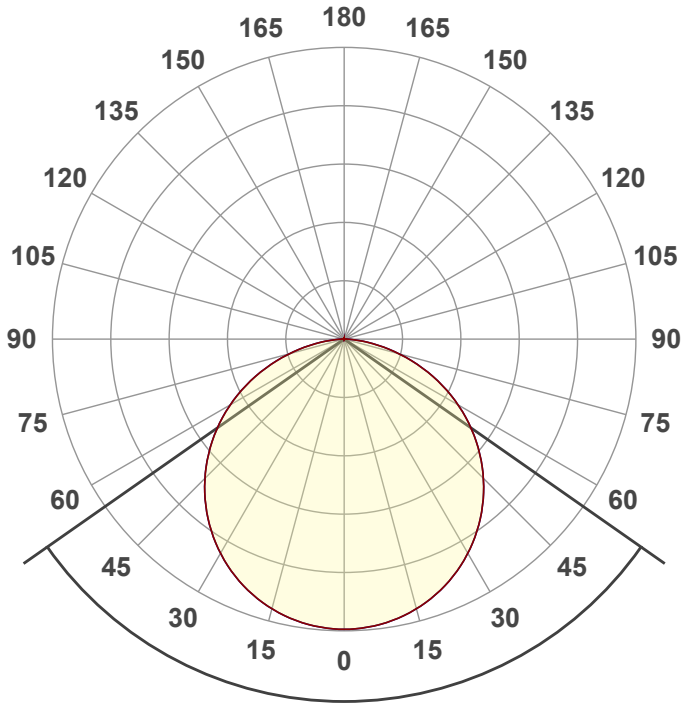
Features

- This downlight works in various indoor applications. It has universal ceiling applications like living, dining areas, kitchens, bedrooms, hallways, and bathrooms.
- It works well in low to medium ceiling heights with its low clearance.
- This Recessed lighting is suitable for both dry and damp environments with its IP rating of IP20.
- Well suited for both residential and commercial indoor spaces.
- Can also be used directly on 12V power for the interior of automobile roof lighting such as boat ceilings, auto car ceiling roof lights, RVs, and so on.
- They come in Warm White and Cool White color temperatures in the same model. Choose the light color based on your desired needs.



Disclaimer

The data and information contained in this specification sheet are subject to change without notice; the ratings supplied are provided based on the product manufacturer. The information contained in this specification sheet should not be considered a warranty, expressed or implied, including, but not limited to, a warranty of merchantability or fitness for a particular purpose. In no event shall LED Lights and Parts be liable for any incidental or consequential damages resulting from the use, misuse, or inability to use the product. This exclusion applies regardless of whether such damages are sought based on breach of warranty, breach of contract, negligence, strict liability in tort, or any other legal theory.



Beam angle

110°

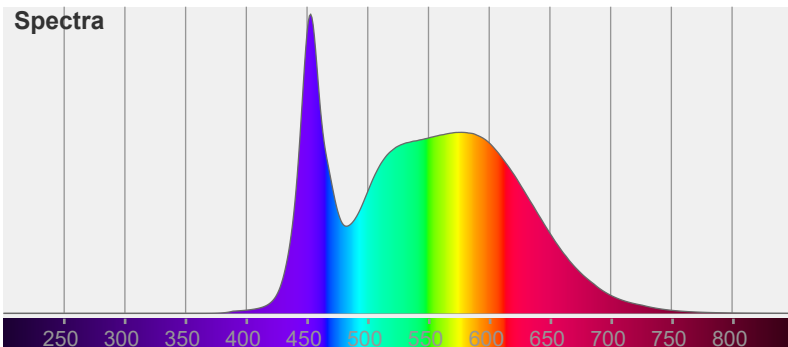


Color

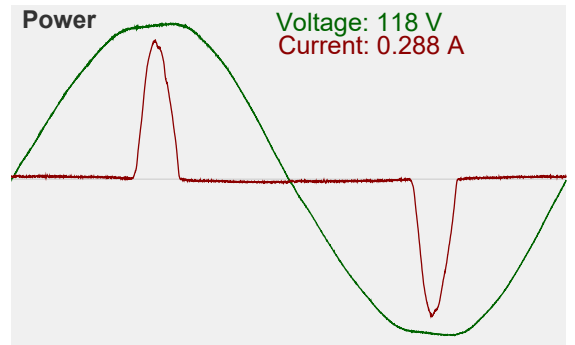


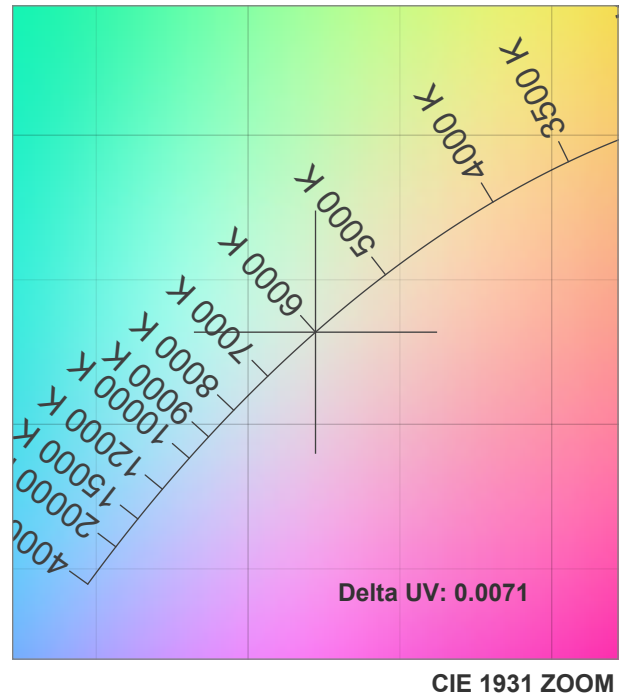
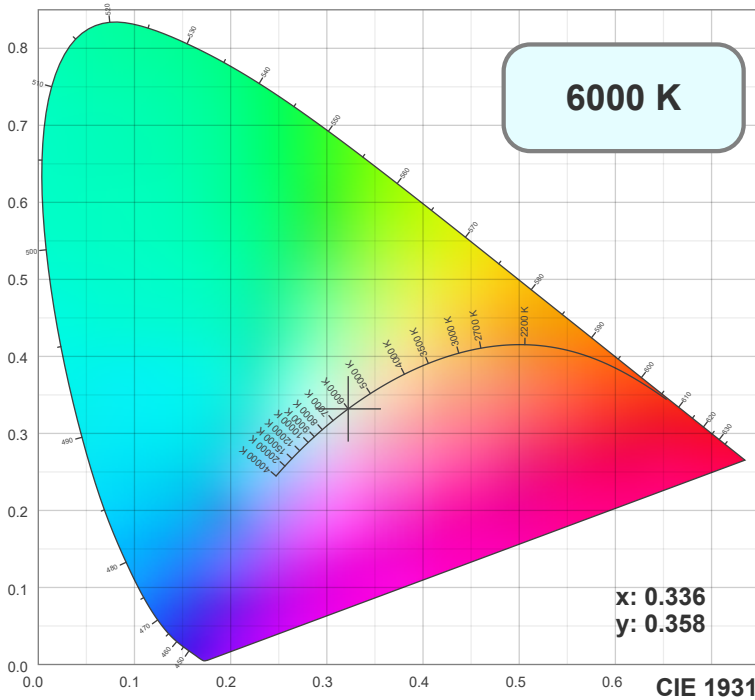
CIE1931
x: 0.336
y: 0.358

Spectra

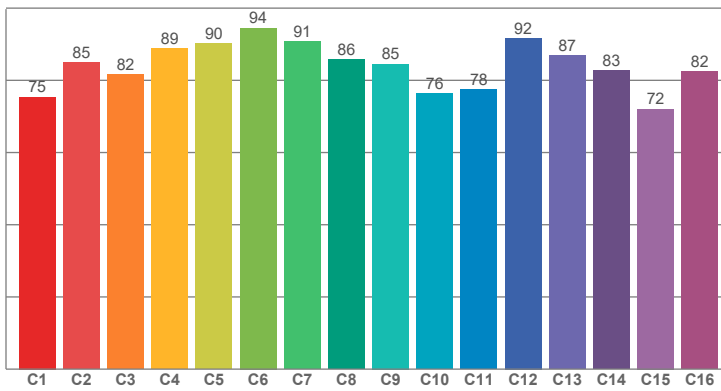


Power

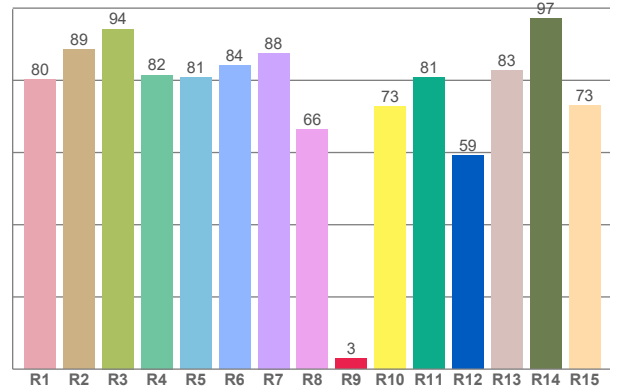




TM30: 84.1



CRI: 82.9 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
80.25	88.50	94.23	81.50	80.69	84.13	87.55	66.38	3.02	72.87	80.76	59.19	82.68	97.11	73.10

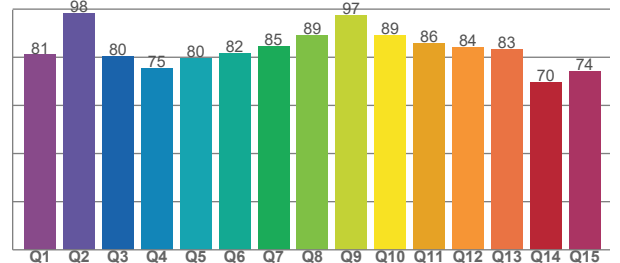
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
75.37	84.84	81.65	88.73	90.27	94.49	90.66	85.69	84.51	76.39	77.55	91.71	86.81	82.79	72.05	82.39

CQS Q values

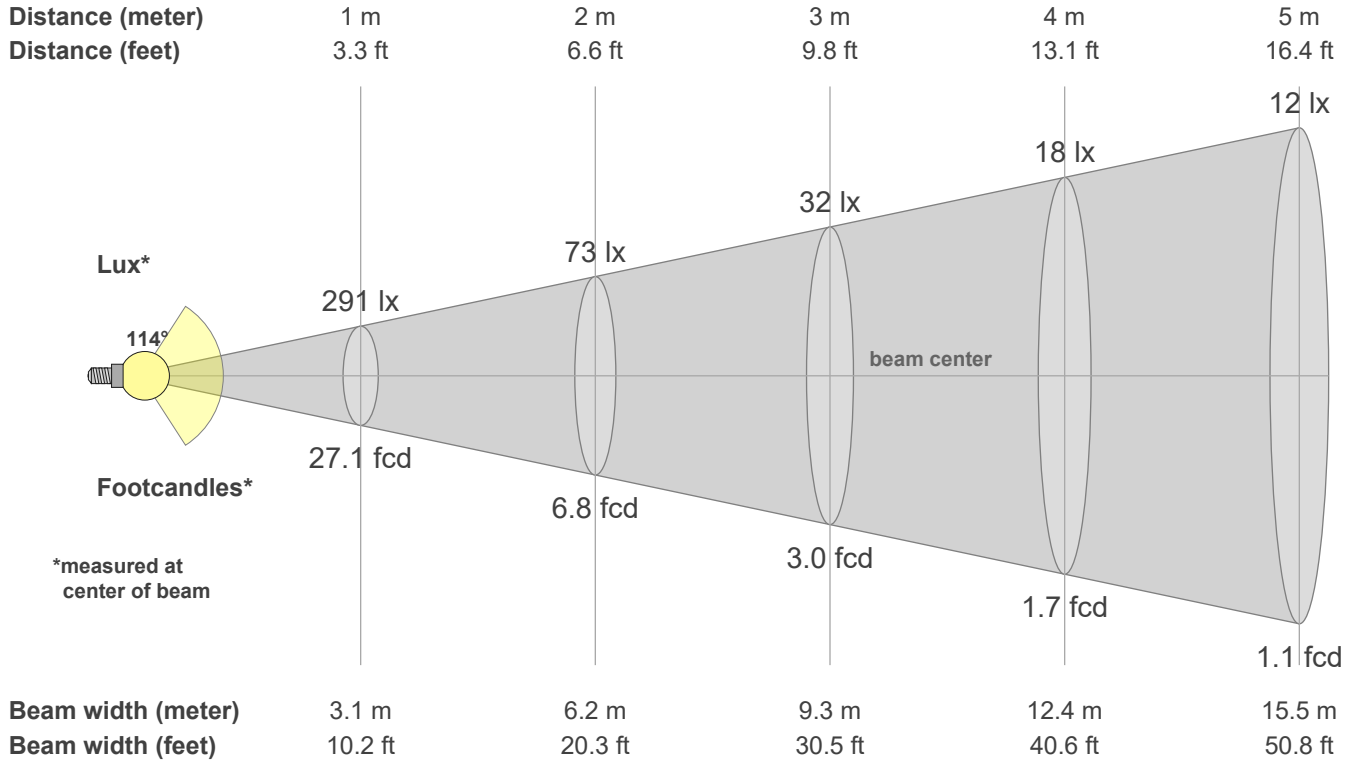
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
81.03	98.16	80.34	75.36	79.75	81.53	84.58	89.11	97.35	89.24	85.65	84.16	83.14	69.70	74.23

CQS: 81.9



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
6000 K	82.9	3.0	84.1	93.5	81.9	0.3	0.3	0.2	0.3	0.0038



Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
291	290	286	280	272	261	248	233	216	198	177	155	132	108	82	57	34	14	3	0
100%	100%	98%	96%	93%	90%	85%	80%	74%	68%	61%	53%	45%	37%	28%	20%	12%	5%	1%	0%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
291	290	286	280	272	261	248	233	216	198	177	155	132	108	82	57	34	14	3	0
100%	100%	98%	96%	93%	90%	85%	80%	74%	68%	61%	53%	45%	37%	28%	20%	12%	5%	1%	0%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
291	290	286	280	272	261	248	233	216	198	177	155	132	108	82	57	34	14	3	0
100%	100%	98%	96%	93%	90%	85%	80%	74%	68%	61%	53%	45%	37%	28%	20%	12%	5%	1%	0%

Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
291	290	286	280	272	261	248	233	216	198	177	155	132	108	82	57	34	14	3	0
100%	100%	98%	96%	93%	90%	85%	80%	74%	68%	61%	53%	45%	37%	28%	20%	12%	5%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
114.3°	162.2°	174.2°	78.3%	53.0%