



PA3C08

8" LOW VOLTAGE DIMMABLE LED PANEL LIGHT, 12V 18W 3000K (WARM WHITE)

Specifications



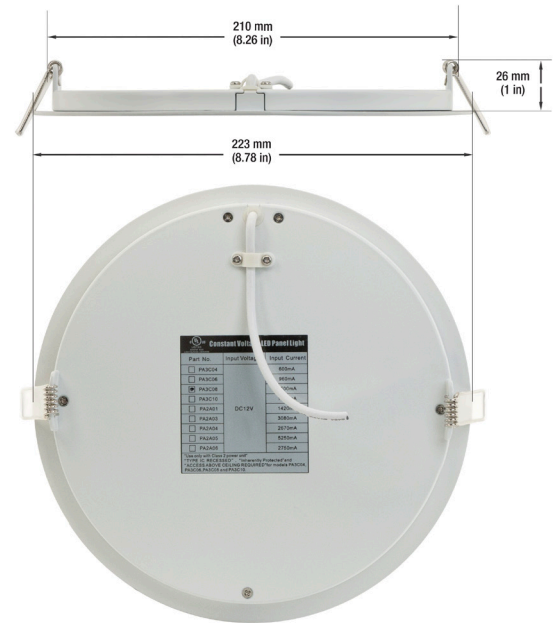
Model No.:	PA3C08
Input Voltage:	12V DC
Wattage:	18W
LED Quantity:	90
Color Temperature:	3000K (Warm White)
Brightness:	920 Lumens
Body Color:	White
Dimmable:	Yes
Rendering Index:	CRI>80
IC Rated:	Yes
IP Rated:	IP20 (Damp Locations)
Wire Length:	50 cm (19.6 in) 20AWG
Dimensions:	Ø 223 mm (7.78 in), Depth 26 mm (1in)
Cut Size:	Ø 210 mm (8.26 in)
Certification:	UL



SKU: 666561404970

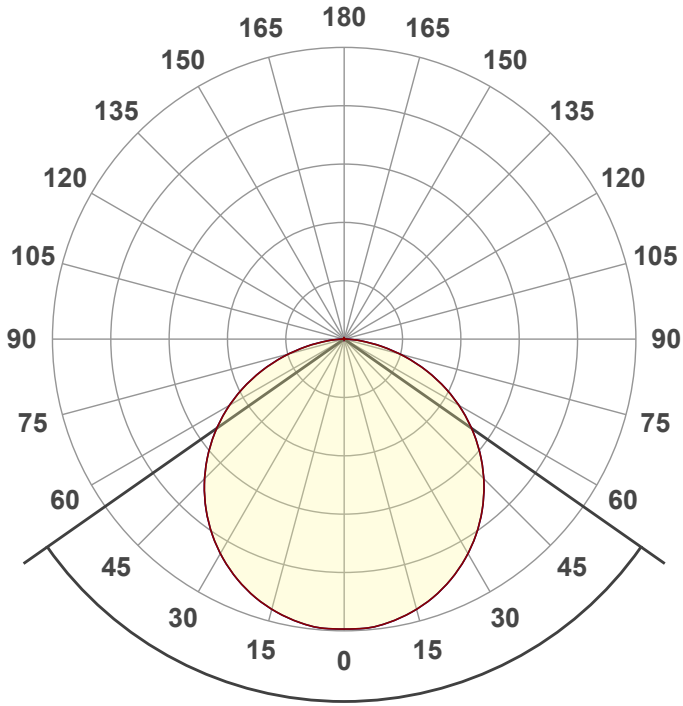
Features

- 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°

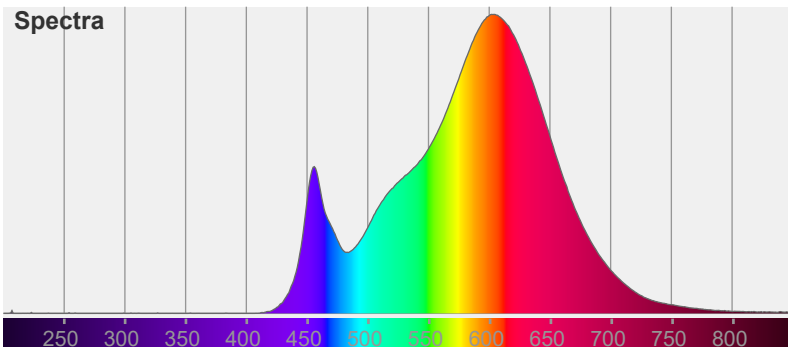


Color

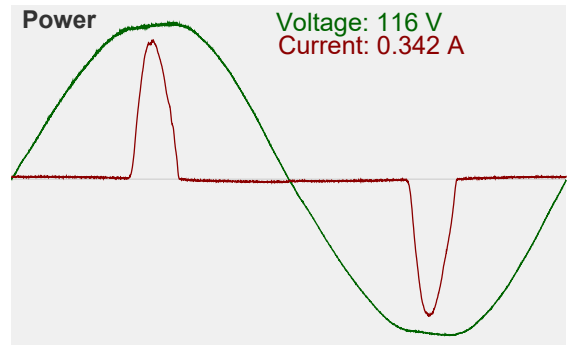


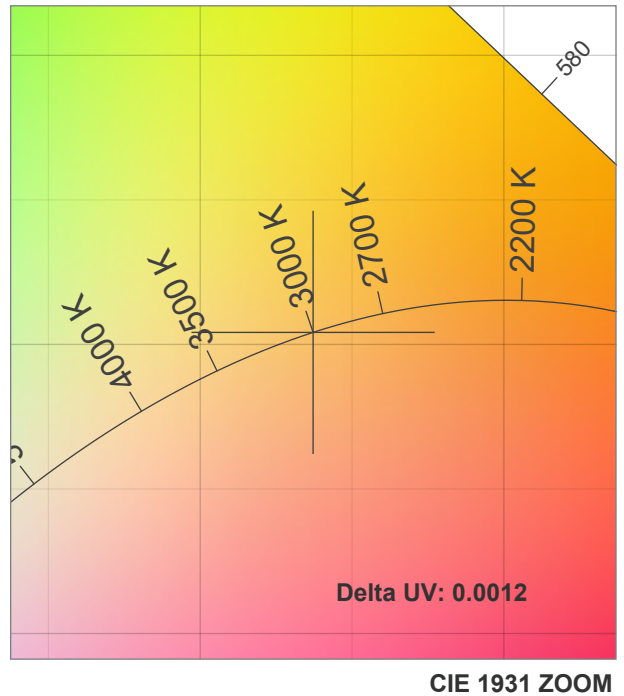
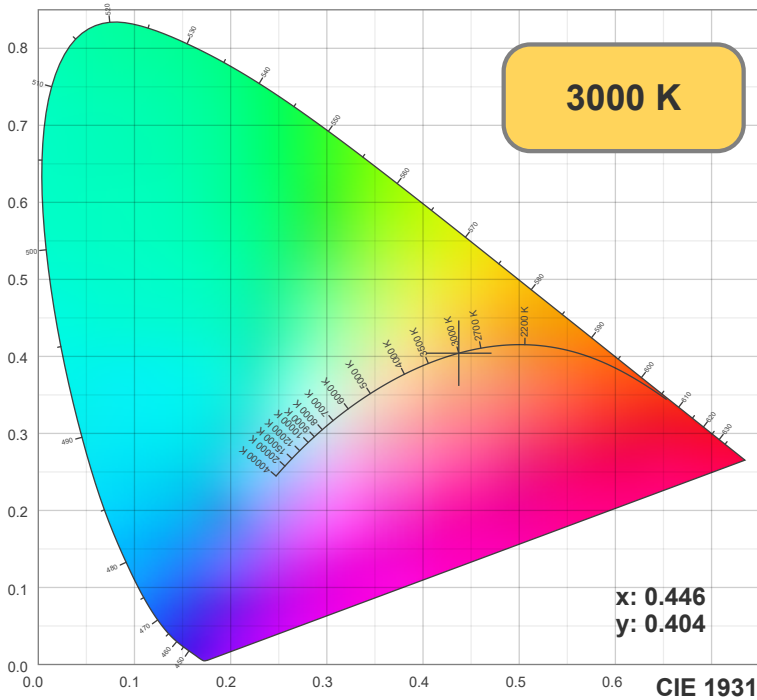
CIE1931
x: 0.446
y: 0.404

Spectra

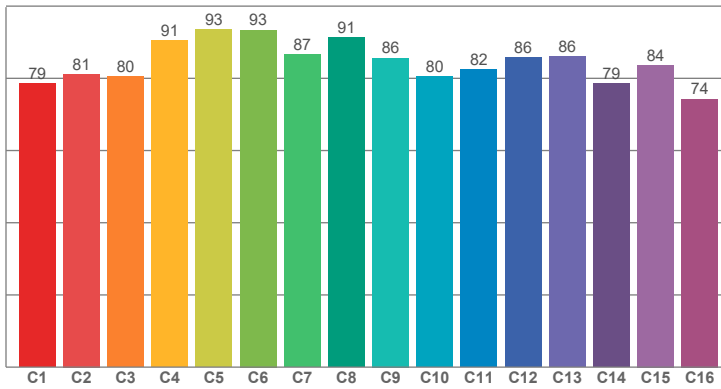


Power

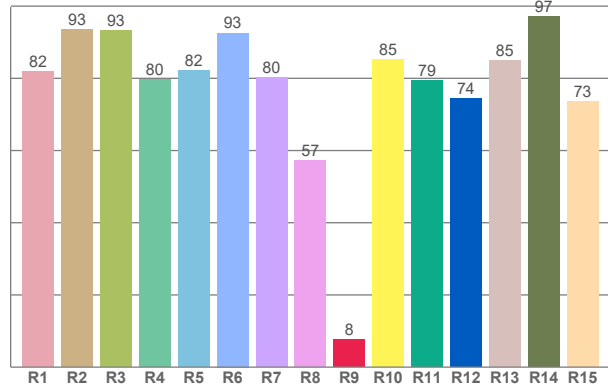




TM30: 84.4



CRI: 82.6 (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
81.88	93.43	93.34	79.59	82.22	92.57	80.33	57.18	7.72	85.18	79.33	74.46	84.97	97.12	73.48

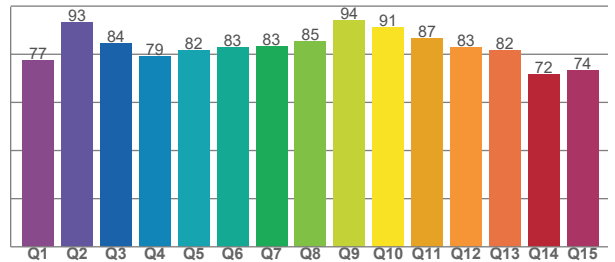
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
78.67	81.17	80.44	90.51	93.45	93.42	86.55	91.27	85.66	80.48	82.37	85.68	86.03	78.66	83.66	74.28

CQS Q values

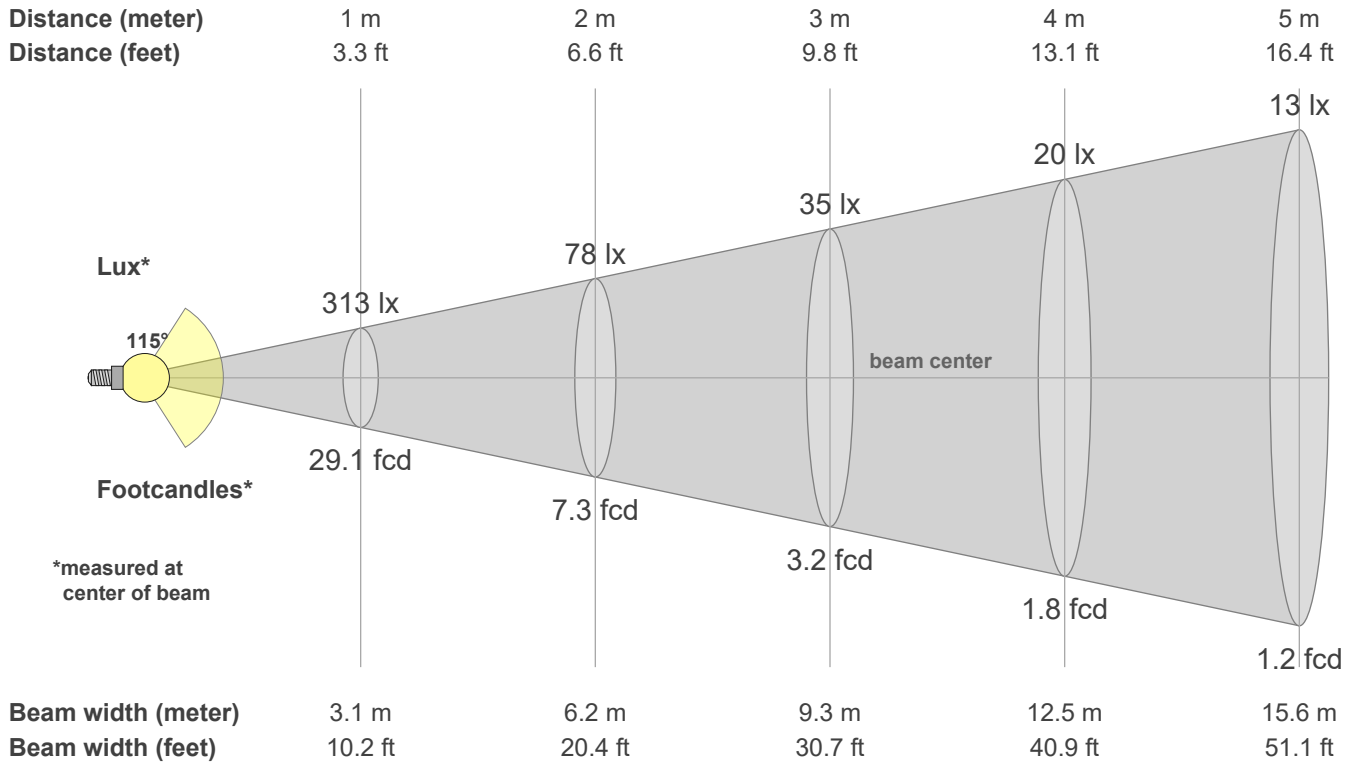
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.47	93.34	84.47	79.08	81.56	83.00	83.25	85.34	93.93	91.05	86.68	82.99	81.57	71.52	73.50

CQS: 82.0



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
3000 K	82.6	7.7	84.4	94.1	82.0	0.4	0.4	0.3	0.3	-0.0012



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°
313	313	309	302	293	281	268	251	233	213	191	168	143	117	90	62	37	16	3	0
100%	100%	99%	96%	93%	90%	85%	80%	74%	68%	61%	54%	46%	37%	29%	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°
313	313	309	302	293	281	268	251	233	213	191	168	143	117	90	62	37	16	3	0
100%	100%	99%	96%	93%	90%	85%	80%	74%	68%	61%	54%	46%	37%	29%	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°
313	313	309	302	293	281	268	251	233	213	191	168	143	117	90	62	37	16	3	0
100%	100%	99%	96%	93%	90%	85%	80%	74%	68%	61%	54%	46%	37%	29%	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°
313	313	309	302	293	281	268	251	233	213	191	168	143	117	90	62	37	16	3	0
100%	100%	99%	96%	93%	90%	85%	80%	74%	68%	61%	54%	46%	37%	29%	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
114.6°	162.3°	175.3°	77.9%	52.7%