

R4E-L ROUND POST TOP

The R4E-L round LED post top luminaire offers a contemporary and elegant look making it a great addition to applications where energy efficiency, performance and design are essential. Typical applications include urban streets, walkways, parks, shopping malls, residential areas, and campuses.



FEATURES & SPECIFICATIONS

CONSTRUCTION

Housing

Die-cast aluminum housing comes standard in a black powder coated finish. All configurations come standard with a 3 pin receptacle and shorting cap.

Mounting options

Accommodates 3" tenons for pole mounting.

Optics

Type V distribution pattern provides wide uniform light output.

ELECTRICAL

- The LED drivers allow input from 120-277 V, or 347 V with the following onboard surge protection:

- **A15:** 4 kV standard for 120-277 V and 347 V
- **A25:** 10 kV for 120-277 V and 6 kV for 347 V
- **A35:** 10 kV standard for 120-277 V and 347 V
- 120-277 V and 347 V drivers are 0-10 V dimmable.
- The R4E-L post top is suitable for ambient temperature range of -40°C to +40°C.

- Available in 4 000 K and 5 000 K color temperatures with a lumen per watt ratio of 102 lm/W to 112 lm/W depending on the lumen package.

COMPLIANCES

- Meets requirements of ICES-005 issue 4 for class B products
- cETLus

OVERVIEW			
LIGHT SOURCE	LED	EFFICACY (LM/W)	105 - 112
WATTS (W)	63 - 150	COLOR TEMPERATURE (K)	4 000 - 5 000
LUMEN OUTPUT (LM)	6 750 - 16 200	WEIGHT (LBS)	17.2

WARRANTY
5 YEAR
WARRANTY

QUICKSHIP

LED

WET LOCATION

65 IP RATING

ICES 005 B

ETLus
Intertek

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

R4E-L

QUICK SHIP ORDERING GUIDE



PART NO	WATTS [W]	VOLTS [V AC]	COLOR TEMP. [K]	LUMEN OUTPUT [LM]	EFFICI- CACY [LM/W]	CRI	LIFE L70 [HRS]	LED CUR- RENT [MA]	PF	THD [%]	EPA [FT ²]	TRADITIONAL EQUIVALENT [W] MH HPS	CASE QTY [MAS- TER]
R4E-LA15-2/40KBKPR	64	120-277	4 000	6 766	105	80	42 000	101	0.99-0.99	10.5-11.9	1.96	175 150	1
R4E-LA25-2/40KBKPR	80	120-277	4 000	8 817	110	80	42 000	80	0.97-0.99	4-10.3	1.96	250 175	1
R4E-LA35-2/40KBKPR	150	120-277	4 000	16 000	106	70	42 000	84	0.97-1.0	4.2-6.6	1.96	400 250-400	1
R4E-LA15-2/50KBKPR	63	120-277	5 000	6 750	107	80	42 000	101	0.99-0.99	10.5-11.9	1.96	175 150	1
R4E-LA25-2/50KBKPR	80	120-277	5 000	8 950	112	80	54 000	80	0.97-0.99	4-10.3	1.96	250 175	1
R4E-LA35-2/50KBKPR	150	120-277	5 000	16 200	108	70	54 000	84	0.97-1.0	4.2-6.6	1.96	400 250-400	1

QUICK SHIP: Product availability is subject to change without notice. Please contact your AimLite customer service representative to confirm inventory levels at time of order.

ORDERING GUIDE

R4E — L 5 — /

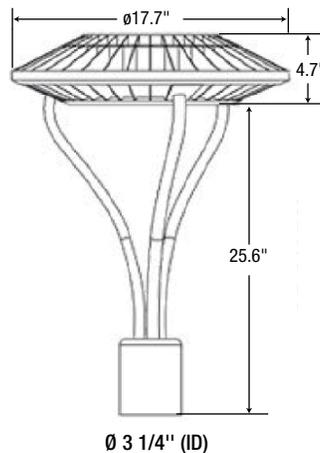
SERIES	LAMP TYPE	LUMEN PACKAGE	DISTRIBUTION TYPE	VOLTS [V]	COLOR TEMP. [K]	CASTING COLOR	OPTIONS
R4E	L - LED	A1 - REFER TO A2 - TECHNICAL A3 - SPECIFICATION TABLE FOR DETAILS	5 - TYPE 5	2 - 120-277 8 - 347	40K - 4 000 50K - 5 000	BK - BLACK [STANDARD] SP - SPECIAL COLOR	PR ¹ - 3 PIN PHOTOCCELL RECEPTACLE ONLY PR7 ¹ - 7 PIN PHOTOCCELL RECEPTACLE ONLY KV - 10 KV SURGE PROTECTION

¹ Twist lock photocell supplied by others.

TECHNICAL SPECIFICATION TABLE

LUMEN PACKAGE	WATTS [W]	VOLTS [V]	4 000 K		5 000 K		CRI	LIFE L70 [HRS]	TYPE OF DISTRIB.	POWER FACTOR	THD [%]
			LUMEN [LM]	EFFICACY [LM/W]	LUMEN [LM]	EFFICACY [LM/W]					
A1	70	347	5 900	84	5 974	85	80	42 000	TYPE V	0.96	13.2
A2	80	347	7 804	78	7 924	79	80	42 000	TYPE V	0.943	7.3
A3	150	347	14 167	94	14 341	96	70	42 000	TYPE V	0.945	6.7

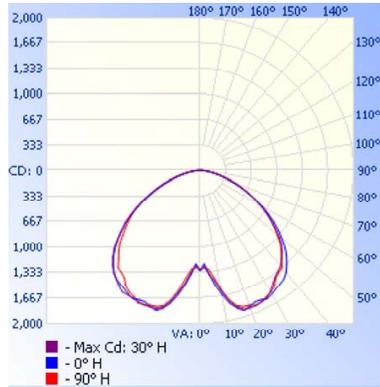
DIMENSIONS



PHOTOMETRIC DATA¹

R4E-LA15-XX-40K-XX • 5 989.7 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 528.7	25.5%
0-40	2 637.9	44%
0-60	4 865.9	81.2%
60-90	1 123.8	18.8%
70-100	414.8	6.9%
90-120	0	0%
0-90	5 989.7	100%
90-180	0	0%
0-180	5 989.7	100%

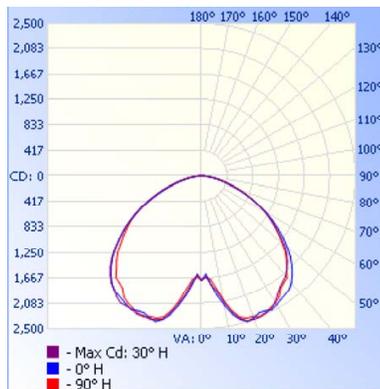
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH
1.7'	451 FC	
3.3'	120 FC	10.9' 10.6'
5.0'	52.2 FC	16.6' 16.1'
6.7'	29.1 FC	22.2' 21.6'
8.3'	18.9 FC	27.5' 26.7'
10.0'	13.0 FC	33.2' 32.2'

■ Vert. Spread: 117.8° ■ Hor. Spread: 116.3°

R4E-LA25-XX-40K-XX • 7 804.1 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 991.7	25.5%
0-40	3 436.9	44%
0-60	6 339.8	81.2%
60-90	1 464.3	18.8%
70-100	540.5	6.9%
90-120	0	0%
0-90	7 804.1	100%
90-180	0	0%
0-180	7 804.1	100%

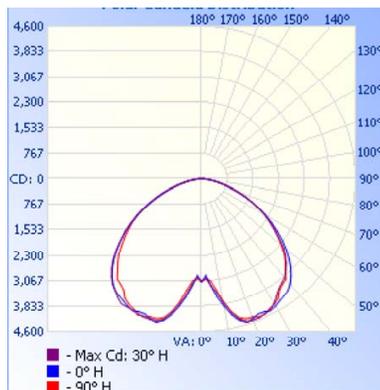
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH
1.7'	588 FC	
3.3'	156 FC	10.9' 10.6'
5.0'	68.0 FC	16.6' 16.1'
6.7'	37.9 FC	22.2' 21.6'
8.3'	24.7 FC	27.5' 26.7'
10.0'	17.0 FC	33.2' 32.2'

■ Vert. Spread: 117.8° ■ Hor. Spread: 116.3°

R4E-LA35-XX-40K-XX • 14 166.2 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	3 615.5	25.5%
0-40	6 238.8	44%
0-60	11 508.2	81.2%
60-90	2 658.0	18.8%
70-100	981.1	6.9%
90-120	0	0%
0-90	14 166.2	100%
90-180	0	0%
0-180	14 166.2	100%

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH
1.7'	1 067 FC	
3.3'	283 FC	10.9' 10.6'
5.0'	123 FC	16.6' 16.1'
6.7'	68.7 FC	22.2' 21.6'
8.3'	44.8 FC	27.5' 26.7'
10.0'	30.8 FC	33.2' 32.2'

■ Vert. Spread: 117.8° ■ Hor. Spread: 116.3°

¹ Complete IES files available on our website.