LED

6" Open Trim

New Construction and Remodel

Wet Location

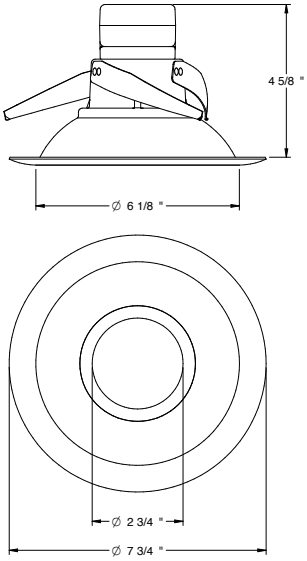
Recessed

Type _____

-28/30KSTR2

P8071 ☐

Catalog No	Finish: White	3000K LED Color Temp	LED Generation
P8071	-28	30K	STR2



Lamp Wattage Housing	IC	Non-IC
P87-AT	13.5w	13.5w
P87-ATQC	13.5w	13.5w
P87-LED	13.5w	13.5w
P187-TG	13.5w	13.5w
P821-FB	13.5w	13.5w
Competitive Housings*	13.5w	13.5w

***See Trim Compatibility Guide**

The P8071 is ideal for use in both new construction as well as remodel/retrofit applications. Light output is comparable to that of typical downlight lamps providing up to 75% energy savings. The P8071 is equipped with both an Edison base adapter and quick link allowing easy installation in many standard incandescent cans, and also affording compilance to California title 24 and IECC lighting power density (w/ft^2) requirements when used with the P87-LED housing (purchased separately).

Specifications:

Trim Assembly

- Frosted polycarbonate lens controls direct glare from the LEDs
- Easy "Push and Twist" installation with (3) friction spring clips.
- In addition to the Progress P87-AT, P87-ATQC, P87-LED, P187-TG, the P8071 is also UL classified for use with 6" housings made by Capri, Commercial Electric, Halo, Intense, Juno, Lithonia, Nora and WAC. See ProgressLED trim compatibility guide for a complete list of classified housings.

Lamping

- 5 LED (Light Emitting Diode) lamps included
- 13.5-watt input power
- Lumen output: 691 lumens. Absolute photometry conducted per LM-79 for solid state luminaires
- Lumen output and distribution comparable to a 65w BR30 incandescent lamp
- CRI is 80+ rivaling CFL
- 60,000 hours life based on 70% lumen maintenance (TM-21)
- Lamp contains no mercury
- Suitable for use in IC or NON-IC Applications with 25°C (77°F) continuous room side ambient temperature.

Electrical

- Class 2 driver, compiant to FCC 47CFR part 15 Class B, Class A noise rating, >0.90 Power Factor
- Trim comes with attached quick link for use with E26 Edison Base adapter whip (provided) or P87-LED housing (purchased separately)
- Flicker-free dimming to 15% with most standard incandescent dimmers (See Dimming Notes)
- 120VAC input, 50/60Hz

Labels

- cULus classified for wet locations

PROGRESS LED

ENERGY STAR

lighting facts
LED Product Partner

Progress Lighting
701 Millennium Blvd.
Greenville, South Carolina
29607

ELECTRICAL DATA	P8071-28/30KSTR2
Input Voltage	120V
Input Frequency	43-63 Hz
Input Current	0.12A
Input Power	13.5W
Constant Current Output	700mA
Power Factor	>0.90
THD	<20%
EMI Filtering	FCC 47CFR Part 15, Class B
Operating Temperature	-30°C to 60°C
Dimming	Yes*

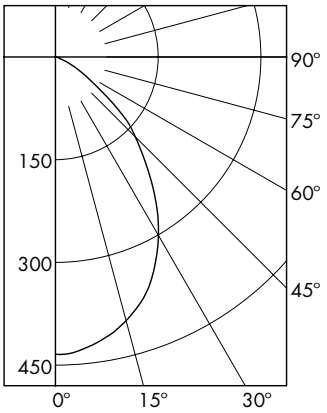
Over-voltage, over-current, short-circuit protected

*See Dimming Notes for more information

PERFORMANCE DATACHART

Single Unit, Initial Footcandles, 30" Work Plane							Ceiling to Floor Height (ft)	Multiple Units, Initial Footcandles, 30" Work Plane			
Nadir	10°		20°		30°			Spacing is Maximum Over Work Plane, SMH = 1.1			
FC	FC	Dia (ft)	FC	Dia (ft)	FC	Dia (ft)		Fixture Spacing (ft)	RCR 2	RCR 5	RCR 7
35	33	1	25	3	16	4	***6***	4.0	46	34	29
14	13	2	10	4	6	6	***8***	6.0	19	14	12
7	6	3	5	6	3	9	***10.5***	9.0	9	7	6
5	4	3	3	7	2	11	***12***	10.0	6	5	4

P8071-28/30KSTR2
LED Light Engine: 3000K 84 CRI
System Wattage: 13.5
Fixture delivered lumens: 691
Fixture Efficacy: 51.1
Spacing Criteria: 1.1



CANDELA DISTRIBUTION	
DEG	**CANDELA**
0	434
5	429
15	398
25	339
35	250
45	162
55	72
65	24
75	6
85	3
90	1

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	309	44.6%
0-40	467	67.5%
0-60	659	95.3%
0-90	691	100.0%

COEFFICIENTS OF UTILIZATION
Zonal Cavity Method

Room Cavity Ratio	% Effective Ceiling Cavity Reflectance									
	80%				**70%**		**50%**		**30%**	
	20% Effective Floor Cavity Reflectance									
	% Wall Reflectance									
	70	**50**	**30**	**10**	**70**	**10**	**50**	**10**	**50**	**10**
1	112	108	105	102	109	101	102	98	98	95
3	97	89	83	78	95	77	85	76	82	74
5	84	74	67	61	83	61	71	60	69	60
7	74	62	55	50	72	50	60	49	59	49
9	65	53	46	41	64	41	52	41	51	41

P8071-28/30KSTR2 Test No. 4659

Test No. 4659
Tested at 25°C Ambient in accordance to IESNA LM-79-2008
Tested in P87-AT housing

DIMMING NOTES:
ProgressLED integral driver is compatible with existing 2-wire dimming circuits and is designed to operate with most standard dimmers including incandescent 120V line voltage (forward phase-leading edge) dimmers as well as 120V electronic low voltage (ELV) (reverse phase-trailing edge) dimmers. Dimming capabilities will vary depending upon the dimmer control used.

A 120V Electronic Low Voltage (ELV) dimmer can typically operate a single LED unit and are recommended for use with P8071 Series.

Recommended Electronic Low Voltage Dimmers:
Lutron Nova T Series (Part number NTELV-600)
Lutron Faedra (Part Number FAELV-T00-XX)
Leviton Acenti (Part Number ACE06-XXX)
Leviton Vizia (Part Number VZE04)

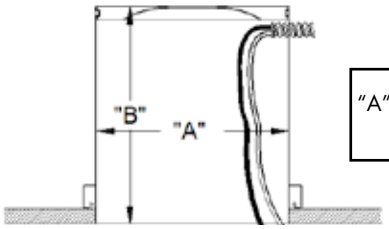
Most incandescent line voltage dimmers have minimum load requirements of approximately 40W and may require multiple LED modules per control. (See dimmer control manufacturer's instructions for specific requirements.)

Recommended Incandescent Line Voltage Dimmers:
Leviton, Illumitech Series (Part Numbers IPI06-XXX)
Leviton, Trimatron Series (Part Numbers 6602-X, 6681-X, 6683-X, 6684-X, 700-X and 705-X)
Leviton, SureSlide Series (Part Numbers 6631)
Leviton, True Touch Series (Part Number 66061LM)
Lutron Skylark Series (Part Number S-600, S2-LH)
Cooper, Aspire Series (Part Numbers 9530XXX)

Digital dimmers are not compatible with Progress LED modules.

COMPATIBILITY OF 6" RECESSED HOUSINGS:
ProgressLED modules are UL/cUL classified for use with Progress and most competitive recessed cans (with "A" and "B" dimensions) including:

Progress
Capri
Commercial Electric
Elco
Emerald
Halo
Intense
Jimway
Juno
Lithonia
Lumapro
Luminaire
Nora
Prescolite
Sea Gull
WAC



"A"= 6 5/16 MIN. 7 1/8 MAX
"B"= 6 7/8 MIN.

NOTES
1. Operation in ambient temperatures higher than those specified will shorten life.
2. Warranty is limited to repair and replacement of defective parts of the LED system and does not include labor or installation. 5 year warranty requires product registration. Contact Technical Support for details.