PROGRESS LIGHTING™

LED **6" Open Trim** **Recessed**
New Construction and Remodel
Wet Location

Type _____

Catalog No	Finish		3000K LED Color Temp	Lumen	LED Generation
	White				
P8071	-28		30K	L10	STR2
P8071	-28		35K	L10	STR2

		-28/30K-L10-STR2	-28/35K-L10-STR2
P8071		☐	☐

Lamp Wattage Housing	IC	Non-IC
P86-TG	12w	12w
P87-AT	12w	12w
P87-ATQC	12w	12w
P87-LED	12w	12w
P186-TG	12w	12w
P187-TG	12w	12w
P821-FB	12w	12w
P821-FBLED	12w	12w
Competitive Housings*	12w	12w

*See Trim Compatibility Guide

The P8071- 1000 lumen 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). This product is not available for sale into the State of California.

4 5/8 "
∅ 6 1/8 "
∅ 2 3/4 "
∅ 7 3/4 "

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

- 12-watt input power
- Lumen output: 1037 lumens. Absolute photometry conducted per LM-79 for solid state luminaires
- Lumen output and distribution comparable to a 75w PAR30 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 25ºC (77ºF) 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

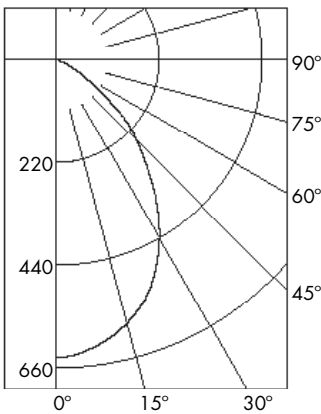| ELECTRICAL DATA	P8071-28/30K-L10-STR2
Input Voltage	120V
Input Frequency	43-63 Hz
Input Current	0.10A
Input Power	12W
Constant Current Output	700mA
Power Factor	>0.90
THD	<20%
EMI Filtering	FCC 47CFR
	Part 15, Class B
Operating Temperature	-30℃ to 60℃
Dimming	Yes*
Over-voltage, over-current, short-circuit 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
52	48	1	37	3	24	4	**6**	4.0	69	51	43
21	19	2	15	4	10	6	**8**	6.0	28	21	18
10	9	3	7	6	5	9	**10.5**	9.0	13	10	8
7	6	3	5	7	3	11	**12**	10.0	9	7	6

P8071-28/30K-L10-STR2
LED Light Engine: 3000K 83 CRI
System Wattage: 12
Fixture delivered lumens: 1038
Fixture Efficacy: 87.0
Spacing Criteria: 1.1

CANDELA DISTRIBUTION

DEG	CANDELA
0	634
5	630
15	588
25	504
35	384
45	257
55	129
65	41
75	8
85	3
90	0

Test No. CSA 2585298
Tested at 25℃ Ambient in accordance to IESNA LM-79-2008
Tested in P87-AT housing

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LUMINAIRE
0-30	433	44%
0-40	654	66%
0-60	937	95.2%
0-90	684	100%

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	103	102	97	98	94
3	97	89	82	77	95	81	84	75	82	74
5	84	73	66	60	82	65	70	59	68	59
7	73	62	54	49	72	54	60	48	58	48
9	65	53	46	41	63	45	51	40	50	40

P8071-28/30K-L10-STR2   Test No. CSA 2585298

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.)

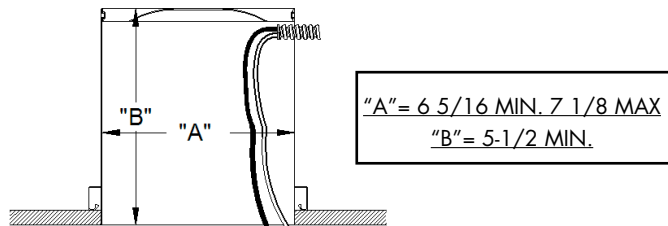**Recommended Incandescent Line Voltage Dimmers:**
Leviton, Illumitech Series (Part Numbers IPI06-XXX)
Leviton, Trimatron Series (Part Numbers 6602-X, 6681-X, 6683-X, 6684-X, 700-X and 705-X)
Leviton, SureSlide Series (Part Numbers 6631)
Leviton, True Touch Series (Part Number 66061LM)
Lutron Skylark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

Digital dimmers are not compatible with ProgressLED modules.

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

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

"B" "A"

"A"= 6 5/16 MIN. 7 1/8 MAX
"B"= 5-1/2 MIN.

LED lighting facts®
A Program of the U.S. DOE

Progress Lighting

Light Output (Lumens)	1037
Watts	12
Lumens per Watt (Efficacy)	87

| Color Accuracy
Color Rendering Index (CRI) | 83 |

| Light Color
Correlated Color Temperature (CCT) | 3341 (Bright White) |

Warm White | Bright White | Daylight
2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.* The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide.*

Registration Number: TH64-JRGNBZ (1/24/2013)
Model Number: P8071-28/35K-L10-STR2
Type: Recessed downlight

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.