



INTEGRAL LAMPS

Lamp Type	Applicable Lamps	CRI	R9 Value	Minimum Warranty	Safety	Power factor	Efficacy (lumens/watt)	Target DUV and Tolerance	CCT	Off-State Power
Integral Directional LED	BR, ER, K, MR, PAR, R (Per ANSIC79.1-2002)]	≥ 80	>Zero	3 Years Warranties must cover material repair or replacement from the date of purpose and be a copy of the actual manufacturer luminaire warranty that is included in the packaging.	UL or equivalent	Lamps ≤5W: no min. PF Lamps >5W: ≥.70	Lamps ≤ 20/8": ≥40 Lamps > 20/8": ≥45	<3500K = 0.000 ± 0.006 >3500K = 0.001 ± 0.006	CCT on spec sheet must be plus or minus 6% of tested CCT.	NA
Integral Omnidirectional LED	A, BT, P, PS, S, T (per ANSI C79.1-2002)						Lamp <10W: ≥50 Lamps ≥ 10W: ≥55			
Integral Decorative LED	B, BA, C, CA, DC, F, G (per ANSI C79.1-2002)						≥40			
NEW! HID Directional LED *	screw-in HID						≥ 70			
NEW! HID Omnidirectional LED *	screw-in HID						≥ 70			
NEW! T8 *	No wiring of existing fixture is required	≥ 80				≥ .90	≥ 70			
							In fixture: ≥75 Bare lamp: ≥96			

* In alignment with DLC specs, THD must be ≤ 20%.

LUMINAIRES (including retrofit kits)

Luminaire Type	CRI	THD	Minimum Warranty	Safety	Power factor	Efficacy (lumens/watt)	Target DUV and Tolerance	CCT	Off-State Power
NEW! HID Retrofit Kits	≥70	≤ 20%	5 years Warranties must cover material repair or replacement from the date of purpose and be a copy of the actual manufacturer luminaire warranty that is included in the packaging.	UL or equivalent	≥ .90	≥ 70	<3500 K = 0.000 ± 0.006 >3500 K = 0.001 ± 0.006	CCT on spec sheet must be plus or minus 6% of tested CCT.	Must be Zero Exception: Luminaires with integral occupancy, motion, photo-controls or individually addressable fixtures with external control and intelligence shall not exceed .5 Watts when in the off state
Bollards	≥50					≥ 35			
Ceiling-mounted with diffusers	≥80					≥ 65			
Cove						≥ 45			
Display and Refrigerated case	≥75					≥ 45			
High and Low Bay	≥70					≥ 70			
Linear panels (troffers)	≥80					≥ 65			
Outdoor pole/arm-mounted -- decorative	≥50					≥ 40			
Outdoor pole/arm-mounted -- area and roadway	≥50					≥ 60			
Outdoor wall-mounted -- area						≥ 70			
Parking garage and Fuel pump canopy	≥50					≥ 29			
Portable Desk and Task						≥ 42			
Recessed, Surface and Pendant-mounted downlights	≥80					≥ 40			
Track or Mono-point directional heads						≥ 29			
Under cabinet	≥80					≥ 40			
Wall wash	≥50								
4 ft. Linear Replacement Lamp Retrofit Kits (re-wiring existing fixture is necessary)	≥80					NEW! ≥ 65			