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		Light	ing Design La	ab Qualified	LED List			
This list is ma Bonneville Po NOTE: This is Products will	aintained by the ower Administra s an interim qual I be permanenth	LDL for Puget Sou ition, Idaho Power ifying list while pr y removed 12 mor	nd Energy, Seattle City Lig , and Eugene Water and I oducts are being reviewe this after "Post Date". If y	ght, Snohomish PUD, Tacc Electric Board. d by ENERGY STAR or DLC you don't see a product o	oma Power, the Energy T n this list, check the ENE	rust of Oregon, RGY STAR or DLC	lists.	lighting design lab
	Lighting Desi	ign Lab Qualified	ED List Lamps and T8 1	ſubes		Lighting	; Design Lab Qualifi	ed LED Fixtures List
This foil is maintained by the UD Biomeetile Power Administratio NOTE: This is an interim quality Products will be permanently in	20, for Pagel Sound Energy, Seat ton, tidelo Power, and Bagene W Ying 1st while products are being reancied 12 months after "Proci-	te Diy Light, Sechonikh PUD, Taco Mar and Dectric Heard. proteined by DMENDY LEAR or DUC Detrif. If you don't see a product or	na Power, the Energy Trust of Oregon, rhes last, check the ENERGY STAR or DLC lasts.	design	This tail is materialized by the 15t for 5 Densys Trues of Densys, become the PU NOT This is in interesting setting the Publicity will be permanently wringed if you short their a parateum on the law, All products carry is warrants of 3 per-	aget Sound Steining, Seattle Diry Lager, we Astronomistics, scale Power, and white products are being increased by 12 memory and the "Next Seat". Associate Unit Not Shak or (Not Seat are more. This questions, please cont	Destructual PUD, Taciona Arean, der d Dapate Weiter and Declars David. (DREND TITAL of DUC.)	design lab
Lang Type Mint 7 Linear Replacement C.S.	nder havs Littern, LLC Lighting am Splvania	Windol Human 01,78,126,36740,740 1,10,127,103,88 1,10,127,103,88 1,10,127,103,84 1,10,127,103,144 1,10,127,103,146 1,10,127,103,146 1,10,127,103,146 1,10,127,103,146 1,10,127,103,146 1,10,127,103,146 1,10,127,103,146 1,10,127,103,146 1,10,127,103,146 1,10,127,103,146	CT New (Bar) in a set of the set	H Balled Note Constants CD Fund the set of the set of the set o	Fahani ang iyan Campy Laminina Displayfiningended (san Tapi Laping	Received on a	And America State of the State State of the State State State of the State Sta	Ling Col Market Horizont Horizo
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25	i Elficant Design día	er Tri Lasaer Tri Holon er Tri Lasaer Tri Holon er Tri Lasaer Tri Holon er Tri Lasaer Tri Holon pri Tri Lover (1990) pri Tri Lover (1990)	1465.6 (4.3) (21.6) (70.6) (1.4) 402.4 (4.3) (22.6) (20.6) (20.6) 402.4 (4.3) (22.6) (20.6) (20.6) 402.4 (4.3) (22.6) (20.6) (1.6) 402.4 (4.3) (22.6) (20.6) (1.6) 402.4 (21.6) (20.6) (20.6) (20.6) 402.6 (20.6) (11.6) (20.6) (20.6) 402.6 (20.6) (11.6) (20.6) (20.6) (20.6) 401.6 (20.6) (11.6) (20.6)	Init B NA Man B.1.1 LOGAYS 10 2 NA Na B.1.5 LOGAYS NID 2 NA Na B.1.5 LOGAYS NID 3 NA Na B.1.5 LOGAYS NID 3 NA Na B.1.5 LOGAYS NID 3 NA Na B.1.8 LOGAYS NID 3 NA Na LOGAYS LOGAYS NID 3 NA Na LOGAYS LOGAYS NID 3 NA Na LOGAYS LOGAYS </td <td>till fogslanssenke High kopt i se Kop (soldstillig Alexe)</td> <td>Two Lighting Twy Green Sociation In Second Lighting Advanced Energy Mass</td> <td>2002 (12 10 - 200 2002 (12 10 - 2002 2002 (12 10 - 2002 2002 (12 10 - 2002 2002 (12 10 - 2002 2002 (12 10 - 2002 2002 (12 10 - 2002 2002 2002 (12 10 - 2002 2002 2002 (12 10 - 2002 2002 2002 (12 10 - 2002 2002 2002 2002 2002 (12 10 - 2002 200</td> <td>Q Dec. Q Dec. Q Dec. Q Dec. Q Dec. Q Dec. Q Dec. <thdec.< th=""> <thdec.< th=""> <thdec.< th=""> <thde< td=""></thde<></thdec.<></thdec.<></thdec.<></td>	till fogslanssenke High kopt i se Kop (soldstillig Alexe)	Two Lighting Twy Green Sociation In Second Lighting Advanced Energy Mass	2002 (12 10 - 200 2002 (12 10 - 2002 2002 (12 10 - 2002 2002 (12 10 - 2002 2002 (12 10 - 2002 2002 (12 10 - 2002 2002 (12 10 - 2002 2002 2002 (12 10 - 2002 2002 2002 (12 10 - 2002 2002 2002 (12 10 - 2002 2002 2002 2002 2002 (12 10 - 2002 200	Q Dec. Dec. <thdec.< th=""> <thdec.< th=""> <thdec.< th=""> <thde< td=""></thde<></thdec.<></thdec.<></thdec.<>
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~=665	5 Lamps	6					[~=190 Luminaires



















Bulb Shape:	T10
Color:	Halogen White
Color Temperature:	3000 Kelvin
Life Hours:	50,000
Wattage:	7 Watt
Incandescent Equal:	40 Watt/60 Watt
Lumens (Initial):	600
Lumens Per Watt:	86
Beam Angle:	360 Degree
Beam Angle:	Omni-directional
Warranty:	1 Year











LM-79 report e	example 8 pages	Test Report	Test Report
	Constraints of the second		
International Content	to Banch of Mail Walk and the West No. (10) and an and the West No. (10) and the W	Power factor, Im/V	/, Lumens
Model #, Test #,		U stylagi veter beter Test Report	Test Report
Description Description Description Table 11 Description Description Description Table 11 Description Description Description Description Table 11 Description Descrip Description Descrip			
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DL LED Manufacturer Submission F The LDL LED Qualified Lists are interim resources while ENERGY STAR and DesignLights Consortium [®] (DLC). Products will expire and be removed <u>12 months</u> from t Expired products are eligible for re-submission. Simply repe NOTE: A new LM-79 test number and report must be subm	OTTM products are being reviewed for approval to he point of approval. at this process. tied, whether or not the product has changed.	Č
Your Name		
Today's Date		
Lamp or fixture type (PAR38, A19, Troffer, Linear Panels, etc.)		
Manufacturer Name (as you want it to appear on the list)		1
Model Number (this # will appear on the list!)		1
SKU Number (list "same as" if same as model #)		4
Integrated occupancy, motion, photo or other control? Yes or No		
(for fixtures only) If Yes, while Off-state rower.		4
Name of safety certifier (Must be UL or equivalent)		4
NRTL Test Number		
Length of Warranty (In years)		-
LM 79 Report – name of testing lab		
LM 79 Report - test number(s)		
LM 79 Report - test date(s)		
LM 79 Report – lamp input voltage		
LM 79 Report – lamp current		
LM 79 Report – lamp wattage		
LM 79 Report – power factor		
LM 79 Report – initial lumen output		
LM 79 Report – efficacy (LPW)		
LM 79 Report - CRI		
LM 79 Report – R9 (where required)		
LM 79 Report - CCT (Kelvin)		
LM 79 Keport – DUV value		_
LM 79 Report – THD (where required)		
Spec Sheet – rated life		
Spec Sheet – dimmable? (Yes or No)		
Spec Sheet – lamp wattage		
Spec Sheet – CBCP (for directional lamps only)		
Spec Sheet – initial lumen output		_
Spec Sheet – CCT (Kelvin)		

lighting facts	About - Pro	ducta El Programa	Partners - Approve	Regelered Lass	Ê
LED LIGHTING Fa	icis Approvei		Searth		
23 MATCHING APPROVED LAB	S FDUND		Original R	esuffs @ Download Full	
Testing Laboratory Partner	LM-79: total flux and color (required label metrics, LM-79 sections 9 and 12)	LM-79; intensity distribution (optional metrics; LM-79 section 10)	In-situ Temperature Measurement Test (ISTMT)*	LM-80	Ι
Acuity Brands Lighting Convers	10/1/2011 - 9/30/2016	10/1/2011 - 9/30/2016	9/9/2011 - 9/15/2016	No	
Acuity Brands Lighting Granville Left	4/30/2012 - 3/31/2014	4/30/2012 - 3/31/2014	11/29/2011 - 12/21/2013	No	Approved labs
American Testing & Assessment Laboratory, LLC	1/10/2014 - 12/31/2015	1/10/2014 - 12/31/2015	1/10/2014 - 12/31/2015	No	listed on the
Aurora International Testing Laboratory Shanghai	12/9/2015 - 12/31/2016	12/9/2015 - 12/31/2016	12/9/2015 - 12/31/2016	No	listed off the
Bay Area Compliance Laboratories (Sunnyvale)	12/4/2012 - 9/30/2016	9/17/2015 - 9/30/2016	9/17/2015 - 9/30/2016	10/1/2011 - 9/30/2016	LED Lighting
Bay Area Compliance Labs Corp. (Shenzhen)	4/1/2012 - 3/31/2017	4/1/2012 - 3/31/2017	4/13/2012 - 3/31/2017	4/1/2012 - 3/31/2017	Facts site
Bay Area Compliance Labs Corp. (Dongguan)	12/12/2011 - 4/14/2016	12/12/2011 - 4/14/2016	12/12/2011 - 4/14/2016	3/22/2011 - 4/14/2016	Taots Site
Bell-southon Testing Laboratory	9/25/2012 - 4/15/2016	8/25/2012 - 4/15/2016	5/6/2013 - 4/15/2016	9/25/2012 - 4/15/2016	
BEST Test Service Shenzhen Co., Ltd.	1/1/2012 - 12/31/2016	1/1/2012 - 12/31/2016	12/15/2011 - 12/31/2016	1/1/2012 - 12/31/2016	
Bridgetus, Inc.	No	No	No	11/6/2012 - 11/25/2015	
Building Acoustics & Lighting Laboratories, Inc.	4/1/2012 - 3/31/2016	4/1/2012 - 3/31/2016	4/1/2012 - 3/31/2016	No	
CALDWELL INDEPENDENT TESTING LABORATORIES	8/19/2015 - 6/30/2016	8/19/2015 - 6/30/2016	8/19/2015 - 6/30/2016	No	
CCIC Southern electronic product testing (Shenzherr) Co., Ltd.	10/9/2013 - 12/31/2015	10/9/2013 - 12/31/2015	2/28/2014 - 2/27/2015	10/9/2013 - 12/31/2015	
Centre Testing International	10/1/2011 - 9/30/2015	10/1/2011 - 9/30/2015	10/1/2011 - 9/30/2015	10/1/2011 - 9/30/2015	
SITZEN ELECTRONICS CO. LTD.	No	No	No	3/27/2011 - 3/26/2016	
Cooper Lighting	7/1/2012 - 6/30/2016	7/1/2012 - 6/30/2016	2/2/2012 - 6/1/2016	No	
Cree Durham Technology Center	4/12/2012 - 3/31/2016	4/12/2012 - 3/31/2016	4/4/2014 - 4/5/2016	No	
Cree Engineering Services Testing aboratory	6/5/2012 - 3/31/2016	6/5/2012 - 3/31/2016	6/5/2012 - 4/4/2016	No	
Cree Racine Engineering Services Testing Laboratory	7/2/2013 - 3/31/2016	7/2/2013 - 3/31/2015	8/26/2013 - 3/17/2016	No	
Cree SSL Laboratory	No	No	No	1/1/2012 - 3/31/2016	





















DIRECTIONAL for purposes of this speci	fication (requiring lumin	aire photometry)		
EESDENTIAL crade himmans, seecifically a encount highs a includes line-voltagis directional track lights cover imputs cover imputs a cover imputs a cover imputs a cover imputs a cover imputs b cover imputs a cover imputs a cover imputs b cover imputs a cove	CCAMPERCIA accent lig o include downlight o include o include o include protable o includes s <u>bornnaites</u>	Londo luminarios, specifically: tis in the second protection of pack lights in the recent protection of the second in SSI, downtyst retroffs the software of least retroffs and share further and the second back lighting estimate of least high the software of least high the	Energy Star Specs Luminaire	Ğ
NON-DIRECTIONAL for purposes of this sy <u>EESEDENTIAL angels humaness only, inclu- Indoor</u> barry and o analysis and device to calling meant o analysis and device on angel to any syst Asis or chandelers or chandelers or chandelers invest strips wrapped wiss	secification (requiring s cline but not limited to the portable lumin o includes p o includes t o includes t o includes t Outdoor: centing and c port human	Jolioving examples indiving examples align ontable dosk task lights ontable facts task lights taske lamps ² and "fock tamps" stoheres losse-to-calling mount monited		
 ventilation fan lights 	 pendant security 	LUMINAIRE TYPES MEASURED	WITH LUMINAIRE PHOTOMETRY	
		Inseparable SSL Luminaires	Luminaires not listed below as die not fit the definition of lamp or light.	ectional with solid state light sources that do engine
V 1.2		DIRECTIONAL LUMINAIRES	Includes:	
		Accent Lights	Line-voltage directional track lightin Track heads	g Directional ceiling fan light kits
		Cove Mount and Under cabinet Light	hts	
		Downlights	SSL Downlight Retrofit Kits	Surface Mount
			Recessed	Pendant Mount
		Outdoor Lighting	Post mount	Wall Mounted Luminaires
			Perch Lights	Security Lighting
		Portable Desk Task Lights		
		LUMINAIRE TYPES MEASURED	WITH SOURCE PHOTOMETRY	
		NON-DIRECTIONAL LUMINAIRE	ES (including but not limited to)	
		Ventilation or Ceiling Fan Light Kits	Portable luminaries	
	1/20	Wrapped Lens	Linear Strip	
	v 2.0	Wall Sconces & retrofits	Outdoor Ceiling or Close-to-Ceiling	Mount, Porch or Post mount
		Decorative Pendants	Bath Vanity	
		Cering Mount & fetrolits	Chandeliers	





Category	V1.0 '07	V1.2 '12	V2.0 6/'16	I
Efficacy	n/a*	>65 res.	>65 all	
Min. Lumens	n/a*	800 (Engine) 450 (fan/vanity/porch) 250 (decorative)	450 (Engine) 250 (decorative) 250 (wall retro.) 800 (ceiling retro.)	

Luminaire Energy Star Specs-10 years Directional*



Category	V1.0 '07	V1.2 '12	V2.0 6/'16	
Min. Efficacy				
Undercabinet	24 kitchen 29 task	29 res. 29 comm.	50	
Recessed	35	42 res.& comm.	55	
Porch	24	35	60	







	recimica	Requirem	ents: Lumin	aires					Rei	guirements	
		General	Minimum		LC Standar	d		DLC Premiu	m*		
	Category	Application	Light Output (Im)	Minimum Efficacy (Im/W)	Minimum Warranty (years)	CCT / CRI / Lte	Minimum Efficacy (im/W)	Minimum Warranty (years)	CCT/ CRI/ Lac/Las	Primary Use**	Distribution
1		Outdoor – Low Output	250-5,000	65			100			Outdoor Pole/Arm-mounted Area and Roadway Luminaires Outdoor Pole/Arm-mounted Decorative Luminaires Outdoor Full-Cutoff Wall-mounted Area Luminaires Outdoor Mon-Cutoff and Exercictuality Wall-mounted Area Luminaires	
2	Outdoor	Outdoor – Mid Output	5,000- 10,000	70	5	\$\$700 / 265 / 250,000	105	5	±5700 / 265 / >36,000 / 250,000	Bollards Parking Garage Luminaires fuel Pump Canopy Luminaires	
3		Outdoor – High Output	≥10,000	75			110			Architectural Flood and Spot Luminaires Architectural Flood and Spot Luminaires Stairwell and Passageway Luminaires Specialty:	
4		Interior Directional	250-4,500	45	45 75			Wall-wash Luminaires Track or Mono-point Luminaires Specialty:	See Primary		
5		Display Case	50-375 km/ft	50			85	5	5 01618y Co Horicontal S5000 / 240 280 / 240 250,000 / 242 Lumin 244 Lumin S5 250,000 / 242 Lumin 244 Lumin Specialty	Display Case Luminaires Horizontal Refrigerated Case Luminaires Vertical Refrigerated Case Luminaires Specialty	Lumen Density Requirement in Table 4, below
0	indoor	Indoor Troffer	21,500	85	5	s5000 / ≥90 / ≥50,000	110	5		2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces 1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces 2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces Specialty	
7		Linear Ambient	2375 lm/ft	85			110			Direct Unear Ambient Luminaires Linear Ambient Luminaires w/ Indirect component Specialty:	
8		High-Bay	25,000	80		≤5700/ ≥70/ ≥50.000	110		£5700 / 270 / >36,000 / 250,000	High-bay Luminaires for Commercial and Industrial Buildings Low-bay Luminaires for Commercial and Industrial Buildings High-bay Alsie Luminaires Tensibility	

٦	recifica	rnequiren	ents, Lumm	anes					Rec	quirements	
		General	Minimum	3	LC Standar	rd		DLC Premiu	m*		
	Category	Application	on Light Output (Im)	Minimum Efficacy	Minimum Warranty	CCT / CRI /	Minimum Efficacy	Minimum Warranty	CCT / CRI /	Primary Use**	Distribution
1		Outdoor – Low Output	250-5,000	65			100			Outdoor Pole/Arm-mounted Area and Roadway Luminaires Outdoor Pole/Arm-mounted Decorative Luminaires Outdoor Full-Cutoff Wall-mounted Area Luminaires Outdoor Non-Cutoff and EmeriCutoff Wall-mounted Area Luminaires	
z	Outdoor	Outdoor – Mid Output	5,000- 10,000	70	5	\$5700 / 265 / 250,000	105	5	±5700 / 265 / >36,000 / 250,000	Bollards Parking Garage Luminaires Field Pump Canopy Luminaires LandcraredAccent Elocat and Sect Luminaires	
3		Outdoor – High Output	≥10,000	75			110			Architectural Flood and Spot Luminaires Stainwell and Passageway Luminaires Specialty:	
4		Interior Directional	250-4,500	45			75			Track or Mono-point Luminaires	for Delayer
5		Display Case	50-375 km/ft	50		85			Specialty: Display Case Luminaires Horizontal Refrigerated Case Luminaires Vertical Refrigerated Case Luminaires Specialty: Specialty:	Use Zonal Lumen Density Requirements	
6	Indoor	Troffer	21,500	85	5	≤5000/ ≥90/ ≥50,000	110	5	≤5000 / ≥80 / ≥36,000 / ≥50,000	2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces 1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces 2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces Speciality	in Table 4, below
7		Linear Ambient	2375 lm/ft	85			110			Direct Linear Ambient Luminaires Linear Ambient Luminaires w/ Indirect component Specialty	
8		High-Bay	25,000	80		≤5700/ ≥70/ ≥50,000	110	10	£5700 / 270 / >36,000 / 250,000	High-bay Luminaires for Commercial and Industrial Buildings Low-bay Luminaires for Commercial and Industrial Buildings High-bay Aisle Luminaires Foreislet	

									Ret	quirements	
		General	Minimum	2	OLC Standar	d		DLC Premiu	m*		
-	Category	Application	Light Output (Im)	Minimum Efficacy (lm/W)	Minimum Warranty (years)	CCT / CRI / Lte	Minimum Efficacy (im/W)	Minimum Warranty (years)	CCT / CRI / Lac / Las	Primary Use**	Distribution
1		Outdoor – Low Output	250-5,000	65			100			Outdoor Pole/Arm-mounted Area and Roadway Luminaires Outdoor Pole/Arm-mounted Decorative Luminaires Outdoor Full-Cutoff Wall-mounted Area Luminaires Outdoor Full-Cutoff Wall-mounted Area Luminaires	
2	Outdoor	Outdoor – Mid Output	5,000- 10,000	70	5	\$5700 / 265 / 250,000	105	5	≤5700 / ≥65 / ≥36,000 / ≥50,000	Bollards Parking Garage Luminaires fuel Pump Canopy Luminaires	
3		Outdoor – High	≥10,000	75	1		110			Landscape/Accent Flood and Spot Luminaires Architectural Flood and Spot Luminaires Stainwell and Passageway Luminaires	
4		Interior Directional	250-4,500	45			75			yeedary Wall-wash Luminaires Track or Mono-point Luminaires Specialty	See Primary
5		Display Case	50-375 lm/H	50			85	5		Display Case Luminaires Horicontal Refrigerated Case Luminaires Vertical Refrigerated Case Luminaires Sourclaine:	Use Zonal Lumen Density Requirement
6	indoor	Troffer	21,500	85	5	≤5000/ 290/ ≥50,000	110 5		≤5000 / ≥80 / ≥36,000 / ≥50,000	242 Luminaires for Ambient Lighting of Interior Commercial Spaces 344 Luminaires for Ambient Lighting of Interior Commercial Spaces 244 Luminaires for Ambient Lighting of Interior Commercial Spaces speciality	in Table 4, below
7		Linear Ambient	2375 lm/ft	85			110			Direct Linear Ambient Luminaires Linear Ambient Luminaires w/ Indirect component Specialty:	
8		High-Bay	25,000	80		s5700/ 270/ 250,000	5700 / 270 / 110 50.000		≤5700 / ≥70 / >36,000 /	High-bay Luminaires for Commercial and Industrial Buildings Low-bay Luminaires for Commercial and Industrial Buildings High-bay Aiste Luminaires	

1	recinica	ii kequiren	ents. Lumin	anes			_		Rec	guirements		
	Category	General	Minimum		DLC Standar	d		DLC Premiu	m*			
	control	Application Oi	Application	ication Light Output (Im)	Minimum Efficacy (Im/W)	Minimum Warranty (years)	CCT / CRI / Lte	Minimum Efficacy (im/W)	Minimum Warranty (years)	CCT/ CRI/ Lac/Las	Primary Use**	Distribution
1		Outdoor – Low Output	250-5,000	65			100			Outdoor Pole/Arm-mounted Area and Roadway Luminaires Outdoor Pole/Arm-mounted Decorative Luminaires Outdoor Full-Cutoff Wall-mounted Area Luminaires Outdoor Mon-Cutoff and ExercicLetiff Wall-mounted Area Luminaires		
2	Outdoor	Outdoor – Mid Output	5,000- 10,000	70	5	\$5700 / 265 / 250,000	105	5	≤5700 / ≥65 / ≥36,000 / ≥50,000	Bollards Parking Garage Luminaires fuel Pump Canopy Luminaires		
,		Outdoor – High Output	210,000	75			110			Architectural Flood and Spot Luminaires Architectural Flood and Spot Luminaires Stainvell and Passageway Luminaires Specialty:		
ł		Interior Directional	250-4,500	45			75			Wall-wash Luminaires Track or Mono-point Luminaires Specialty:	See Primary	
5		Display Case	50-375 km/ft	50			85) 5	≤5000 / ≥80 / >36,000 / ≥50,000 \$	Display Case Luminaires iorizontal Refrigerated Case Luminaires Vertical Refrigerated Case Luminaires Specialty:	Use Zonal Lumen Density Requirements	
6	indoor	Troffer	21,500	85	5	≤5000 / ≥80 / ≥50,000	110			2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces 1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces 2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces Specialty	in Table 4, below	
,		Linear Ambient	2375 lm/ft	85			110			Direct Linear Ambient Luminaires Linear Ambient Luminaires w/ Indirect component Specialty:		
8		High-Bay	25,000	80		s\$700/ 270/ 250,000	110	110	≤5700 / ≥70 / >36,000 / ≥50,000	High-bay Luminaires for Commercial and Industrial Buildings Low-bay Luminaires for Commercial and Industrial Buildings High-bay Alsie Luminaires Tensibile		

									Re	quirements	
		General	Minimum	3	OLC Standar	ъ		DLC Premiu	m*		
	Category	Application	Light Output (Im)	Minimum Efficacy (lm/W)	Minimum Warranty (years)	CCT / CRI / Lte	Minimum Efficacy (lm/W)	Minimum Warranty (years)	CCT / CRI / Lac / Lite	Primary Use**	Distribution
1		Outdoor – Low Output	250-5,000	65		5	100			Outdoor Pole/Arm-mounted Area and Roadway Luminaires Outdoor Pole/Arm-mounted Decorative Luminaires Outdoor Full-Cutoff Wall-mounted Area Luminaires Outdoor Full-Cutoff and Semi-Cutoff Wall-mounted Area Luminaires	
2	Outdoor	Outdoor – Mid Output	5,000- 10,000	70	5	\$5700 / 265 / 250,000	105	5	±5700 / ≥65 / >36,000 / ≥50,000	Bollards Parking Garage Luminaires Fuel Pump Canopy Luminaires	
3		Outdoor – High Output	≥10,000	75			110			Landscape/Accent Nood and Spot Luminaires Architectural Flood and Spot Luminaires Stairwell and Passageway Luminaires Specialty:	
4		Interior Directional	250-4,500	45			75			Wall-wash Luminaires Track or Mono-point Luminaires Specialty:	See Primary
5		Display Case	50-375 km/łt	50			85			Display Case Luminaires Horizontal Refrigerated Case Luminaires Vertical Refrigerated Case Luminaires Specialty:	Use Zonal Lumen Density Requirement
6	Indoor	Troffer	21,500	85	5	≤5000 / ≥80 / ≥50,000	110	5	≤5000 / ≥80 / ≥36,000 / ≥50,000	2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces 3x4 Luminaires for Ambient Lighting of Interior Commercial Spaces 2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces Specialty	in Table 4, below
7		Linear Ambient	2375 lm/ft	85			110			Direct Linear Ambient Luminaires Linear Ambient Luminaires w/ Indirect component Specialty	
8		High-Bay	25,000	80		≤5700/ ≥70/ ≥50,000	110	0	≤\$700 / ≥70 / >36,000 /	High-bay Luminaires for Commercial and Industrial Buildings Low-bay Luminaires for Commercial and Industrial Buildings High-bay Aiste Luminaires	

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1	Technica	ii kequirem	ents: Lumin	aires					Rei	quirements	
		General	Minimum	3	LC Standar	d	0	DLC Premiu	m*.		
	Category	Application	Light Output (Im)	Minimum Efficacy (Im/W)	Minimum Warranty (years)	CCT / CRI / Lte	Minimum Efficacy (im/W)	Minimum Warranty (years)	CCT/ CRI/ Lac/Las	Primary Use**	Distribution
•		Outdoor – Low Output	250-5,000	65		5	100			Outdoor Pole/Arm-mounted Area and Roadway Luminaires Outdoor Pole/Arm-mounted Decorative Luminaires Outdoor Full-Cutoff Wall-mounted Area Luminaires Outdoor Full-Cutoff Wall-mounted Area Luminaires	
z	Outdoor	Outdoor – Mid Output	5,000- 10,000	70	5	\$5700 / 265 / 250,000	105	5	±5700 / 265 / >36,000 / 250,000	Sollards Sollards Parking Garage Luminaires Fuel Pump Canopy Luminaires	
3		Outdoor – High Output	≥10,000	75			110			Landscape/Accent Flood and Spot Luminaires Architectural Flood and Spot Luminaires Stainwell and Passageway Luminaires Specialty:	
•		Interior Directional	250-4,500	45			75			Wall-wash Luminaires Track or Mono-point Luminaires Specialty:	See Primary
5		Display Case	50-375 lm/ft	50			85			Display Case Luminaires Horizontal Refrigerated Case Luminaires Vertical Refrigerated Case Luminaires Sneriabre:	Lumen Density Requirements
6	Indoor	Troffer	21,500	85	5	≤5000 / ≥90 / ≥50,000	110	5	≤5000 / ≥80 / ≥36,000 / ≥50,000	2 v2 Luminaires for Ambient Lighting of Interior Commercial Spaces 3 v4 Luminaires for Ambient Lighting of Interior Commercial Spaces 2 v4 Luminaires for Ambient Lighting of Interior Commercial Spaces 5 pecialty:	in Table 4, below
,		Linear Ambient	2375 lm/ft	85			110			Direct Unear Ambient Luminaires Linear Ambient Luminaires w/ indirect component Specialty	
8	-	High-Bay	25,000	80		\$\$700/ 270/ 250,000	110		≤\$700 / ≥70 / >36,000 /	High-bay Luminaires for Commercial and Industrial Buildings Low-bay Luminaires for Commercial and Industrial Buildings High-bay Aisle Luminaires	

٦									Rec	quirements		
		General	Minimum		OLC Standar	d	2	DLC Premiu	m*			
-	Category	Application	Light Output (Im)	Minimum Efficacy (lm/W)	Minimum Warranty (years)	CCT / CRI / Lte	Minimum Efficacy (im/W)	Minimum Warranty (years)	CCT / CRI / Lao / Lao	Primary Use**	Distribution	
1		Outdoor – Low Output	250-5,000	65			100			Outdoor Pole/Arm-mounted Area and Roadway Luminaires Outdoor Pole/Arm-mounted Decorative Luminaires Outdoor Full-Cutoff Wall-mounted Area Luminaires Outdoor Mon-Cutoff and ExercicLoff Wall-mounted Area Luminaires		
2	Outdoor	Outdoor – Mid Output	5,000- 10,000	70	5	\$5700 / 265 / 250,000	105	5	≤5700 / ≥65 / ≥36,000 / ≥50,000	Bollands Parking Garage Luminaires Fuel Pump Canopy Luminaires	>	
3		Outdoor – High Output	≥10,000	75			110			Landscape/accent hood and spot Luminaires Architectural Flood and Spot Luminaires Stainvell and Passageway Luminaires Specialty:		
4		Interior Directional	250-4,500	45			75			Wall-wash Luminaires Track or Mono-point Luminaires Specialty:	See Primary	
5		Display Case	50-375 km/ft	50			85		≤5000 / ≥80 / ≥36,000 / ≥50,000	c5000 /	Display Case Luminaires Horizontal Refrigerated Case Luminaires Vertical Refrigerated Case Luminaires Specialty	Lumen Density Requirements
6	indoor	Troffer	21,500	85	5	≤5000 / ≥80 / ≥50,000	110	5		2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces 1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces 2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces Specialty	below	
7		Linear Ambient	2375 im/ft	85			110			Direct Linear Ambient Luminaires Linear Ambient Luminaires w/ Indirect component Specialty:		
8		High-Bay	25,000	80		\$\$700/ 270/ 250,000	110		≤5700 / ≥70 / >36,000 / ≥50,000	High-bay Luminaires for Commercial and Industrial Buildings Low-bay Luminaires for Commercial and Industrial Buildings High-bay Aisle Luminaires Engelate Engelate		

1	recinica	rikequirem	ents. Lunin	aires					Re	quirements	
	Catalan	General	Minimum	1	OLC Standar	d .	DLC Premium*				
	CateRoly	Application	Light Output (Im)	Minimum Efficacy (Im/W)	Minimum Warranty (years)	CCT / CRI / Lte	Minimum Efficacy (lm/W)	Minimum Warranty (years)	CCT/ CRI/ Lao/Lao	Primary Use**	Distribution
1		Outdoor – Low Output	250-5,000	65			100			Outdoor Pole/Arm-mounted Area and Roadway Luminaires Outdoor Pole/Arm-mounted Deconstrive Luminaires Outdoor Full-Cutoff Wall-mounted Area Luminaires Outdoor Full-Cutoff Wall-mounted Area Luminaires	
2	Outdoor	Outdoor – Mid Output	5,000- 10,000	70	5		105	5		Sollards Parking Garage Luminaires Fuel Pump Canopy Luminaires	
3		Outdoor – High Output	210,000	75			110			Landscape/Accent Flood and Spot Luminaires Architectural Flood and Spot Luminaires Stainwell and Passageway Luminaires Specialty:	
4		Interior Directional	250-4,500	45			75			Wall-wash Luminaires Track or Mono-point Luminaires Specialty:	See Primary
5		Display Case	50-375 lm/ft	50			85			Display Case Luminaires Horicontal Refrigerated Case Luminaires Vertical Refrigerated Case Luminaires Socialey:	Use Zonal Lumen Density Requirements in Table 4, below
6	Indoor	Troffer	21,500	85	ş		110	5		2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces 3x4 Luminaires for Ambient Lighting of Interior Commercial Spaces x2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces speciality	
7		Linear Ambient	2375 lm/ft	85			110			Direct Linear Ambient Luminaires Linear Ambient Luminaires w/ indirect component Specialty	
8		High-Bay	25,000	80			110		≤\$700 / ≥70 / ≥36,000 /	High-bay Luminaires for Commercial and Industrial Buildings Low-bay Luminaires for Commercial and Industrial Buildings High-bay Aiste Luminaires	

Ol	Jtdo) Or C	;ate	\$90 on Criteria,	(FINAL 11	S 1/20/15)			
Technica Technica	al Requirem al Requirem	ients Table, ients: Lumii	V3.1 naires						
Category	General Application	Minimum Light Output (Im)	[Minimum Efficacy	DLC Standar	'd CCT / CRI /	Minimum Efficacy	DLC Premiu Minimum Warranty	Req m* CCT / CRI /	auirements Primary Use**
·	Outdoor – Low Output	250-5,000	(lm/W) 65	(years)	L ₇₀	(lm/W) 100	(years)	L90 / L70	Outdoor Pole/Arm-mounted Area and Roadway Luminaires Outdoor Pole/Arm-mounted Decorative Luminaires Outdoor Full-Cutoff Wall-mounted Area Luminaires Outdoor Full-Cutoff Wall-mounted Area Luminaires
Outdoor	Outdoor – Mid Output	5,000- 10,000	70	5	≤5700 / ≥65 / ≥50,000	105	5	≤5700 / ≥65 / >36,000 / ≥50,000	Outdoor Non-Lutom and Semi-Lutom Wait-mounted Area Luminaires Bollards Parking Garage Luminaires Fuel Pump Canopy Luminaires Iandrage/Accent Flood and Soot Luminaires
	Outdoor – High Output	≥10,000	75			110			Architectural Flood and Spot Luminaires Stairwell and Passageway Luminaires Specialty:
* Product: the DLC SI ** Lumina	s seeking qualif tandard classifi aires may not q	ication in the Di cation. ualify for DLC Pi	LC Premium remium usin	classificatio	n will be re r:" a	equired to p	iass an L90 > ary Use desi∣	36,000 hours gnation.	s, as evaluated using TM-21. This requirement is in addition to the L $_{20}$ require

DesignLight Technica Technica	doo s Consortium™ Il Requirem Il Requirem	Product Qualific ents Table, ients: Lumin	teg cation Criter V3.1 maires	Ori	es				DESIGNILIGHTS "
								Ree	quirements
Category	General Application	Minimum Light	Datinimum	LC Standar	b	. din insum	DLC Premiu	m*	Primary Use**
		Output (Im)	Efficacy (Im/W)	Warranty (years)	CRI / L ₇₀	Efficacy (Im/W)	Warranty (years)	CRI / L90 / L70	
	Interior Directional	250-4,500	45			75			Wall-wash Luminaires Track or Mono-point Luminaires Specialty:
	Display Case	Display Case 50-375 lm/ft	50			85			Display Case Luminaires Horizontal Refrigerated Case Luminaires Vertical Refrigerated Case Luminaires Specialty:
Indoor	Troffer	≥1,500	85	5	≤5000 / ≥80 / ≥50,000	110	5	≤5000 / ≥80 / >36,000 / ≥50,000	2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces 1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces 2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces Specialty:
	Linear Ambient	≥375 lm/ft	85			110			Direct Linear Ambient Luminaires Linear Ambient Luminaires w/ Indirect component Specialty:
	High-Bay	iigh-Bay 25,000 80 25700/ 270/ 250,000 110		≤5700 / ≥70 / >36,000 / ≥50,000	High-bay Luminaires for Commercial and Industrial Buildings Low-bay Luminaires for Commercial and Industrial Buildings High-bay Aisle Luminaires Sperialty:				

	chinear nege	La concertor La					Requirements	
#	Category	General	Minimum Light	DL	C Standard			
		Application	Output (Im)	Minimum Efficacy (Im/W)	Minimum Warranty (years)	CCT / CRI / L ₇₀	Primary Use	
.5	Linear	Four-Foot Linear Replacement Lamps	In Fixture: 2 lamps: 3,000 3 lamps: 4,500 4 lamps: 6,000 Bare Lamp: 1,600	In Fixture: 85 Bare Lamp: 100	5	≤5000 / ≥80 / ≥50,000	Replacement Lamps ("Plug and Play") (UL Type A) Internal Driver/Line Voltage Lamp-Style Retrofit Kits (UL Type B) 2-lamp External Driver Lamp-Style Retrofit Kits (UL Type C) 3-lamp External Driver Lamp-Style Retrofit Kits (UL Type C) 4-lamp External Driver Lamp-Style Retrofit Kits (UL Type C) Dual Mode Internal Driver (UL Type A or B)	
6	Replacement Lamp	Two-Foot 2 lamps: 1,350 In Fixture: 2 store 55000 Linear 3 lamps: 2,000 85 lm/W ≤5000, 280 / Replacement Lamps: 2,700 Bare Lamp: 280 / 280 / Bare Lamp: 800 00 lm/W 5 280 /			5	≤5000 / ≥80 / ≥50,000	Replacement Lamps ("Plug and Play") (UL Type A) Internal Driver/Line Voltage Lamp-Style Retrofit Kits (UL Type B) 2-lamp External Driver Lamp-Style Retrofit Kits (UL Type C) 3-lamp External Driver Lamp-Style Retrofit Kits (UL Type C) 4-lamp External Driver Lamp-Style Retrofit Kits (UL Type C) Dual Mode Internal Driver (UL Type A or B)	
7		Outdoor – Low Output	In Fixture: 250-5,000	In Fixture: 65			Replacement Lamps for Outdoor Pole/Arm-mounted Area and Roadway Luminaire (Type B) Replacement Lamps for Outdoor Pole/Arm-mounted Decorative Luminaires (Type Replacement Lamps for Outdoor Pull-Cutoff Wall-mounted Area Luminaires (Type	
8	Manul Samu	Outdoor – Mid Output	In Fixture: 5,000-10,000	In Fixture: 70	5	≤5700 / ≥65 /	Replacement Lamps for Parking Garage Luminaires (Type B) Replacement Lamps for Fuel Pump Canopy Luminaires (Type B) Replacement Lamps for Outdoor Polo (Arm mounted Area and Readynau Luminaires)	
9	 Mogul Screw- Base (E39) Replacements for HID Lamps 	Outdoor – High Output	In Fixture: ≥10,000	In Fixture: 75			Replacement Lamps for Outdoor For/American Lamps and Roddwer Luminaires (Type C) Replacement Lamps for Outdoor Foll-Autom-mounted Area and Roddwer Luminaires (Type I) Replacement Lamps for Parking Garage Luminaires (Type C) Replacement Lamps for Parking Garage Luminaires (Type C)	
0		High-Bay In Fixture: In Fixture: 5 5700 / 270 / 250,000		Replacement Lamps for High-Bay Luminaires (Type B) Replacement Lamps for Low-Bay Luminaires (Type B) Replacement Lamps for High-Bay Luminaires (Type C)				

Design	Lights Consortium [™] Product Qualification Criteria, (FINAL 11/20/15)			DESIGNE	ICHTS	
Prima	ary Use Technical Requirements Light Output and Zonal Lumen	Distribution				
	Table 4: Pri	mary Use Requirements		1		1
Primary Use Letter	Primary Use Designation	Minimum Light Output (Im)	Zone/Spacing Criteria	ZLD/SC Nominal Requirement	ZLD/SC Tolerance	ZLD/SC Requirement with Tolerance
	Outdoor Dole/Arm mounted Area and Deadway Luminaires	1.000	0-90°	100%	-1%	299%
a	Outdoor Pole/Arm-mounted Area and Roadway Luminaires	1,000	80-90*	≤10%	+3%	≤ 1 3%
b	Outdoor Pole/Arm-mounted Decorative Luminaires	1,000	0-90°	≥65%	-3%	≥62%
	Outside as Full Outsiff Wall mounted Area Luminaires	200	0-90°	100%	-3%	297%
c	Outdoor Full-Cuton Wall-mounted Area Luminaires	300	80-90°	≤10%	+3%	≤13%
d	Outdoor Non-Cutoff and Semi-Cutoff Wall-mounted Area Luminaires	300 (0-90º zone)***	80-90°***	≤10%***	+3%	≤13%
	Rollards	500	90-110°	≤15%	+3%	≤18%
e	Boliards	500	>110°	0%	+3%	≤3%
	Parking Carage Luminaires	2,000	60-80°	≥30%	-3%	≥27%
T T	Parking Garage Luminaires	2,000	70-80°	≤25%	+3%	≤28%
	Evel Rumo Renew Luminaires	2.000	0-40°	≥40%	-3%	≥37%
B	Fuel Pump Canopy Luminaires	2,000	40-70°	≥40%	-3%	≥37%
h	Landscape/Accent Flood and Spot Luminaires	250 (<1,000)	0-90°	≥85%	-3%	≥82%
1	Architectural Flood and Spot Luminaires	1,000	0-90°	≥85%	-3%	≥82%
J	Stairwell and Passageway Luminaires	750	0-90°	≥85%‡	-3%	≥82%
k	Wall-wash Luminaires	575	0-90°	≥60%‡‡	-3%	≥57%
- I	Track or Mono-point Directional Luminaires	250	0-90°	≥85%	-3%	≥82%
m	Vertical Refrigerated Case Luminaires-center	100 lm/ft	10-90°††	≥95%††	-3%	≥92%
n	Vertical Refrigerated Case Luminaires-end	50 lm/ft	10-90°‡‡	≥95%‡‡	-5%	≥90%
0	Horizontal Refrigerated Case Luminaires	100 lm/ft	0-90°	≥95%	-3%	≥92%
р	Display Case Luminaires	50 lm/ft	0-80°	≥95%	-5%	≥90%
			SC:0-180°	1.0-2.0	±0.1	0.9-2.1
q	2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces	2,000	SC:90-270°	1.0-2.0	±0.1	0.9-2.1
		[ZL:0-60°	≥75%	-3%	≥72%
			SC:0-180°	1.0-2.0	±0.1	0.9-2.1
r	1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces	1,500	SC:90-270°	1.0-2.0	±0.1	0.9-2.1
		1	ZL:0-60°	≥75%	-3%	≥72%













Prim	ary Lice Technical Requirements: Light Output and Zonal Lum	en Distribution				CONSO	ATTOM					F1	3.
	Table 4:	Primary Use Requirement:	5										11
Primary Use Letter	Primary Use Designation	Minimum Light Output (lm)	Zone/Sj Crite	pacing tria		ZLD/SC Nominal Requirement	ZLD/S Toleran	C Rei	ZLD/SC quirement Tolerance	with			
а	Outdoor Pole/Arm-mounted Area and Roadway Luminaires	1,000 0-90*			+	100% ≤10%	-1%	6 299% 6 <13%		_			
ь	Outdoor Pole/Arm-mounted Decorative Luminaires	1,000	1,000 0-90*			265%	-3%		262%		1		
	Outdoor Full Cutoff Wall-mounted Area Luminairer	100	0-9	0-90*		100% -3%			297%				
e.	Outdoor Poincouton wainmounted Area Luminaires	300	80-90*				+3%		\$13%			_	
d	Outdoor Non-Cutoff and Semi-Cutoff Wall-mounted	l Area Luminaires	(: 909-0	300 zon	(····	80-	90°***		≤1(0%***		
e	Bollards	500	>11	0.0	+	0%	+3%	-	53%				
,	Baching Garage Luminology		60-8	90 ⁰		230%	-3%		≥27%				
1	Parking Garage Luminaires	2,000	70-8	90 ^e		≤25%	+3%		\$28%				
g	Fuel Pump Canopy Luminaires	2,000	0-4	0°	+	≥40% ≥40%	-3%		≥37% ≥37%	_			
h	Landscape/Accent Flood and Spot Luminaires	250 (<1,000)	0-9	0-90*		≥85%	-3%		282%				
i i	Architectural Flood and Spot Luminaires	1,000									1		
j	Stairwell and Passageway Luminaires	750		a Catagoria		General	Minimum	DLC Star		6	DLC Premium*		
k	Wall-wash Luminaires	575		cang	1	Application	Output	Minimum	Minimum	CCT/	Minimum	Minimum	CCT /
	Track or Mono-point Directional Luminaires	250					(fim)	Efficacy	Warranty	CRI/	Efficacy	Warranty	cni/
m	Vertical Refrigerated Case Luminaires-center	100 lm/ft		-	_			(im/W)	(years)	La	(im/W)	(Near2)	140/Lys
n	Vertical Ketrigerated Case Luminaires-end	50 Im/ft				Outdoor -							
0	Direlau Care Luminaires	50 lm/h	1	1		Low Output	250-5,000	65			100		
P	Display Case Cominaires	50 im/n	-		1								er 100 /
q	2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces	2,000		Outd	oor	Outdoor – Mid Output	5,000- 10,000	70	5	25700/ 265/ 250,000	105	5	265/ >36,000
	1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces	1,500			Ì	Outdoor - High	210,000	75			130	1	













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	Manufacture	er Name	Category	-	Prim	ary Use ▼	Parent Product	×		Y	1
#1	Advance LEDs		Outdoor Luminaires	Ou	tdoor Full-Cutoff Wall-	Mounted Area Luminaires	TRUE				
DESIGN	LIGHTS CONSORTIUM (D	LC) L) - SEARCH RESULTS	0 Language Langua Esplat	*		ē			*		Ł
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			•			•	Grand Papers			p=4 (-)	(00/2)
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P2216./17	•1AdvanceLEDs	Advance	USA-DVP-22VW	OutloorCommand	Low Dagua	Outlos Ful-Cust Val-Hourset Assocurates		Sanlad	194.8	102.7	
	#TAdvanceLEDe	Advance	USA-OVP-SIVIK	Outloor Currinaine	Lev Dapa	Outloo Full Cooll Vall Ployned Asso Lutinaires		Sandard	194	241.6	71
PRINTING									10.0	3276.6	68
ISHORN	#Atomort/Dr	Advance	054-059-425/38	Outdoor Cummares	Low Diagoal	Outloof & Cast Val-Noved Assistance		Standard			
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Brand Name	•		Model Num	ıber		Ţ	Classifi	cation Ţ					E	Ϋ́υ,
Parent Product JT	sured Meas Output m) v	sured Measured Wattage (Im/Mn (W) J	Total Harmonic Distortion (THD)	Mea CC	sured CT (K)	Measured CRI	d F Lit	Rated letime lours)	Date	Qualifie	d Dimm	ning Status	Dimmin	ig Type T
Di and Name		ladel Humber	Classification	Parent Product	Measured Liphi Output (Im)	Mrasured Luminaire Efficacy (im/V) v	Measured Vallage (V)	Total Harmonic Distortion (THD) -	House of Ki	Measured CFR	Rated Lifetime (boars)	Date Qualified	Olemning Status T	Dissuing Typ+
Holiphana	PH2 10, 4K XXXXV		Skendard	TRUE	19100	100.64	190.5	2.5	4006	76	60000	6/7/2013	No/VerVerlied	Not Vet Verified
I Lihonia Lighting	JHEL NOOD, MIND GU	XXXXX40K 80CF8	Standard	TFLE	16910	30.5	106.7	N.52	3935	01.54		8/6/2014	NorVer Verfied	NorVerVerlied
LithoniaLighting	TMSL 20000LMLAUV	MVOLT GZ10 30K 90CRI X000X	Standard	TRUE	151611	83 5782000	101.4	18.06	3032	34.43	100000	12/3/2015	Deveatie	Contructos ICannot des
- Holophane	PLED2 15L 4KL5		Standard	TRUE	14240	90.3	157.63	ы	3848	75	60000	7/29/2013	Not Vet Veilled	Not Yet Verilled
Cree CNB High Bay	CXBAueM40KB-Ue10	Veer wICHBAYEN	Skandard	TILE	17284.9	109.86	8 167.3	8.73	3908	83	50000	9/3/2014	Not Yet Verilled	Nor Yet Verified
Menakor	4LED-LD4-16-14-AS	Y-UNV-L835-CD2-U	Stendard	TFILE	12485	62.1	50.6	2.9				5/14/2015	Dinmable	den down to 4
Gree CPY Series	CP/250-A-w-0-D-	n-ne-40K-son	Prenium	TFLE	17633	116.57	143.47	3.56	3939	n	50000	0 VT502076	Dimmable	dm.down.to.ii
Holophare	200000	010-1304004LL000000	Sandard	TRUE	\$2301	82.1	9 162.4	6.69	4944	72.9	60000	4/24/2012	Not Ver Verfied	Not Vet Verified
Lihonia Ligheng	PTN 12000L FD H012	SLP750	Standard	TRUE	12301	62.1	9 985.4	6.65	4344	72.3	60000	126/2011	NorVerVerlied	NorVet Verified
Holiphane	HLH12L5940125000	001,974(2000)(2,00000000)	Standard	TFUE	12068	81.0	8 347.5	6.63	3961	76	60000	4/24/2012	Not Yet Verified	Nor Yer Verilled
LithoniaLighting	PTN 12000L MD HD12	5LP740	Standard	TRUE	12068	81.8	8 147.5	6.69	3951	74	60000	12/6/2011	Nor Vet Veilled	Nor Ver Verlied Continuous (Can
LihoniaLighting	CAON-NOL-E25-LP	100-10004-2000K	Standard	TFLE	19440 5	115.0	N2.50	M .7	3042	62.7		12/3/20M	Dimmable	den down to # 10% (VI)
Merakos	VT4LED-LD3-15-W-1 TZL FL96 H000LMF	0R-UNV-U850-C02-VL-U 15T 120 40K 80CR C08 VH	Standard	THE	14633.15	103.1	1 141.97	6.75	5005	86.2	60000	3/25/2013	Not Yet Vertied	Nor Ver VerBed Continuous ICan
LinonaLighing	He LT (2541		Standard	THUE	2567.91	85.63	05.32	\$7.53	4043	12.9		LOTALOTS .	Lansnable	den down to E
C. INC.C.	CA41 PDC 36	F 700 404	Sec. A. A.	TTO IT	10,000.0		10.4 10	45.44	48.11			V 425-425-544	Barrah Karal Andrew Content	Read and the second sec

Filter Your Results	14339 Records Found	son by Light Output	(lumens) 📉 🕇 🌡	
Q, filter by keyword	Philips Color Kinetics - 523-000090-92		Compare	
Fixture Type Accent/Track Lighting (688) Ceiling/Vent Fan and Lights (49) Proceed Lighting (7236)	ENERGY STAIL Partner: Philips Solid-State Lighting So Finitine Type: Under Cabinet Sheft Mounted Task Light Total Input Power (Watts): 2.3 Energy Efficiency - Measured outside the Fisture S3.6	- Technology: LED Total Light Output (liamens): 111 (Im/W)		Sort by: Brand Name
Under-Cabinet and Cove Lighting (662)	Philips Color Kinetics - 523-000090-80		Compare	Input Power
Ocrable Lighting (table/desk/floor lamps) (60) Chandellers (69) Bath Vanity Lights (1001) Show more	ENERGY STAR Partner Philips Solid-State Lighting So Fixture Type: Cove Mount Total legut Power (Watts) 1.8 Energy Efficiency - Measured outside the Future: 65.2	lutions, Inc Technology LED Total Light Output (lumens): 111 (Im/W)		
Indoor/Outdoor Indoor (14013) Outdoor (2623)	AFX - ELL9YY ENERGY STAR Partner: AFX Inc. Fishure Type: Under Cabinet Shelf Mounted Task Light Total Imper Power (Watte): 3.0	Technology LED Total Light Output (lumens) 115	Compare	
Technology@ Fluorescent (3106) Halagen (3)	Energy Efficiency - Measured outside the Fixture: 46.1	(lm/W)		
LED (11345)	EcoLight - GU0209CL-BA-I ENERGY STAR Partner: Good Earth Lighting, Inc.		Compare	
Special Features® Dimmable (7454) Motion Sensor (32)	Fixture Type: Under Cabinet Total Input Power (Watta): 4.0 Energy Efficiency - Measured outside the Fixture: 37.0	Technology: LED Total Light Output (lumens): 138 (Im/W)		







ENERGY STAR Certified	IFES and buying guidelines	C pro	HANGE	Rá
	Brownlee Lighting - 5010-48-E37LED-XXX-ES - 5010-48-E37LED-XXX-ES 5010-48-E37LED-XXX-ES	Good Earth Lighting - VA1047-BR3- 32LF0-G - VA1047-BR3- 32LF0-G VA1047-BR3- 32LF0-G	Progress Lighting - P2064- xxyyK9 - P2064- xxyyK9 P2064- xxyyK9	Est.
ENERGY STAR Partner®:	Brownlee Lighting	Good Earth Lighting, Inc.	Progress Lighting	
Indoor/Outdoor:	Indoor/Outdoor	Indoor	Indoor	
Fixture Type:	Bath Vanity	Bath Vanity	Bath Vanity	
Commercial Versus Residential O :	Residential	Residential	Residential	
Technology@:	LED	LED	LED	
Total Light Output (lumens) :	4132	3406	4268	
Appearance/Correlated Color Temperature (K)⊕:	(Jumans) emitted over the total lamp power input (Jumans) emitted over the total lamp power input (Watts), It is expressed in Im/W. For ENERGY STAR qualified fixtures this applies to light fixtures that are residential only, considered "non-directional" and have	3000K	2700К	
Total Input Power (Watts)	36.0 Measured at the light source level.	42.9	68.0	
Color Quality (CRI) :	(lumens/Watt)®: 84	83	90	
Energy Efficiency -	113.1	100.8	67.0	
Measured at the Source (lumens/Watt)@: Light Source Life (hrs)@:	No absolute photometry	36000	60000	





Lets check this fixture

Global Tech LED First DLC Listed Screw-in Retrofit!

Global Tech LED announces the First DLC Listed Screw-in Retrofit! A Low cost, USA made, Patented E39 (Mogul Base) Screw-in LED Retrofit for customers that have a participating Utility offering cash rebates, the upfront cost could be reduced by as much as 70%. Our on-board Patented Life Sync technology and Energy Savings program will increase energy savings and automatically adjust current for continuous maximum lumen output. Our screw-in retrofit can be located on the DLC QPL listing.

Jan 14, 2016, 14:27 ET from Global Tech LED



Our screw-in retrofit is located on the DLC QPL listing here: https://www.designlights.org/qpl/en/saved/CFUCQU4. The DLC is dedicated to accelerating the widespread adoption of high-performing, energy efficient commercial lighting solutions. You can find All of our DLC Certified products here: http://www.designlights.org The DesignLights Consortium[™] program and trademarks are assets to the DLC, its members and stakeholders.















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	LPSL Series installations	ActiveLED® Low- 8 to 33 Watt pow	profile Pub er consum	lic Space ption, 12"	Lights for in , 24", 36" or	ndoor and overhang 48" long	
	Cost effective to attaches directly	install - Light output simi to ceiling or wall structur	lar to 76-176 W	att legacy bu	Ib fixture, availat	ble in 8 to 33 Watt fixtures -	·
	The Ringdale Activ effective and high Projects, Condomi	veLED [®] LPSL Series Low- performance LED light for niums, Educational Facilitie	profile Public Sp public space are es, Hospitals an	ace Light is ju as in facilities d Nursing Hor	ist 1.9" tall and is a such as Apartmer mes.	n energy efficient, cost nt Complexes, Housing	
Make Enquiry	It is ideally suited f a safer, more secu	or illuminating "public spac re environment.	e" areas such a	s corridors, w	alkways, entrance	ways and hallways - providing	
LPSL Series ActiveLED® Low- profile Public Space Lights - At just 1.9" tall the LPSL is ideal for illuminating indoor and	The ActiveLED Lo its optional motion With its patented d source with a 90,0	w-profile Public Space Ligt sensor provides additional lesign and superior LED el 00-hour lumen life, making	t consumes at I and significant ements, the Act it a maintenanc	east 50-85 pe energy saving veLED Low-p e-free solution	rcent less energy f js. rofile Public Space n for applications v	than conventional lighting and Light is a reliable light where changing lights can be	
overnang public space areas in Apartment Complexes, Housing Projects, Condominiums, Educational and Medical Facilities to provide a safer, more secure environment	LPSL Series Proc Ringdale provides	ensive. luct Overview a comprehensive range of	LPSL Series Ar	tiveLED Low	profile Public Spa	ce Light foctures and a choice	
Significant energy savings and very low maintenance costs	earth tones and 50	00K that closely emulates	natural daylight	the following	lists just a few of t	the PSL selections:	
compared to conventional high wattage lighting	Product Code	Application & Length	CCT Color	Wattage	Light Output	Suggested Mount Hight	
Improved light quality and illumination uniformity compared to legacy lighting technology.	LPSL24-2706	Public Space, 24.9*	2700K	8 watts	Lumens TBD	2.5 m / 8 ft	
CCT Color Choices of 2700K, 3000K, 3500K, 4000K and 5000K	LPSL24-3006	Public Space, 24.9"	3000K	8 watts	Lumens TBD	2.5 m/8 ft	
Lumen Lifetime of 90,000 hours (90% Luminous Flux)							
Voltage-specific power supply / driver specify at time of ordering	LPSL24-3506	Public Space, 24.9*	3500K	8 watts	Lumens TBD	2.5 m / 8 ft	





		Comp	ire	
Model No.: HR24U-S-T50144-WH Brand Name: ActiveLED Manufacturer: Ringdale ActiveLED				5
VIEW DETAILS Indoor Luminaires High-Bay High-Bay Luminaires for Commercial and	TEST DATA Light Output 12,852 im	RATED DATA Efficacy 86 tm/W		
Industrial Buildings Classification: DLC Standard DLC Product Code: PA9Y4572Y	Wattage 149.5 w CCT 4,960 x	CRI 68		
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Model M.: TEHOU-AT-JJU76-SE Brand Nime: ActiveLED Manufactoria: Ringdale ActiveLED			Qualified Products	List
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HBIFZ	2	LPW					1 1 1 1		11/	1
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Physic	al and	Perform	nance I	nforma	tion ²					
Series	Lumen Code	Actual Lumens	277V wattage	277V LPW	Input Voltage	Input Current/ Amps	Power Factor	CCT	CRI	
HBIF2	A1	12,890	72w	178	277v	0.26	>.90	5000K	>80	
HBIF2	B1	16,530	94w	176	277v	0.34	>.90	5000K	>80	
HBIF2	C1	19,080	106w	179	277v	0.38	>.90	5000K	>80	
HBIF2	D1	25,330	143w	177	277v	0.52	>.90	5000K	>80	













Product Type: 🕜	■ Luminaire	Lamp	o F	Retrofit Kit	
Product Categories	Use Location	Mounting Base	Subcategory	Product Size	
Dopolay Case Downlight Inclustral Linear Parking Garage Parking Garage Parking Garage ZirofferOcid Celling Wallwash Other	Check Al KUtcheck Al Motor Macadous Location Other Teleconference	Check Al Küncheck Al Recessed Dartace Usepended Other		Please select a Product Type and Product Category to narrow by Product Size.	Advanced search goes
Lumen Output	Input Wattage	Lumens Per Watt	Color Accuracy (CRI)	Light Color (CCT)	troffers to 153
- Additonal Product N	Aetrics (CLICKTO COLLAPSE)				
Power Factor	0.218	0 1 Zonal lumen de (0-60')	nsity U	- 100 to 100	
nput Voltage		0 400.2 Zonal lumen de (60-90*)	nsty U	0 10 00.0	
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Total Harmonic Distortion	isso	(120-180')	(0.180)		
Beam Angle		o 360 Spacion Criteria	(90-270)		
0					

LED Lighting Facts LED Lighting Fa	Kost - Produc cts> Products V Equations 25 26 26	ts EERogans Pattes mmetten ⊎ ∳Dee	Approxed Labor Ubrary	
DEFOUND CO., LTD. Preset 20076 United The file file file United The file	Philips Day-Brite versem statut versem statut versem statut versem statut versem statut verse statut versem statut versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem versem	Philips Day-Brite Prevent 34204 Comment 34204 Comment 34204 Comment 34204 Comment 34204 Comment 3420 Commen	Philips Day-Brite Philips Day-B	Pick a product and check DLC



ED Lighting	g Facts∗ Prod	ucts				J	ust t	he	Fac	ts	Ś
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Product Type: 📀	⊠ Luminair	re 🛛 Lan	ip 🗆	Retrof	Lurien Oxford Henri Mattage Luriens per Walt Color Asserves (CRI)	2125.00 10 + 10 01.7 36/07 01.020	Lamer Dulpat Hyut Waltage Lamers per Walt Color Accuracy (200	4422.46 45.28.4F 104.2.49/W 42.46.(24)	O NEWL Larver Datest Hattage Larvers per Wat	2002 Arr 52.3 W 54.42 ArrW	Lamme Output 500 Input Wellage 50 Lamme per Well 51.04 Cathe Assurance (CRV) 50
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Directonal Display Case	Input Wattage	Lumens Per Watt	Color Accuracy (CRI)	Light C	Seesmart L	ED ion Lighting -102 e - Parking Gae	Technologies		JESTRITER Extense Laminatore, V 277VAG	eeser 1 www.Tight.Turry	✓ Approved 4/927 rs - Standard Stacked Product o S9 an Proved, 40W, 5000C, Milley, 1
- Additonal Product I	Metrics (CLONTO COLLAPSE)				962 114402-1 975				• DLC quilled		
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		an unit of the second s	density	-0						B-100 @	
nput Votage ()- XVV ()-	0 1	10 470.2 Zonal lumer (50-90*) 10 0.5004 Zanal lumer (90-120*)	density ()	-) •	WHERE ANY INCOME	7.0089		Extration 2			
nput Voltage ()- XVV ()- Is ()-	1 4.000 -356	Image: State	i density ()		WARKANTY INFO:	7 years	 Show Westmarky in 	Remettion 🖬		()	
nput Votage ()= NVV ()= Is ()= Otal Harmonic Distortion ()=		Image: second	1 density []		WARRANTY INFO: MEQUINED METRICS	7 years	States Ventury II	38.8 -	94.46	Calue Assess	inn secondaria
rput Votage ()= NUV ()= Is ()= Isan Angle ()= Isan Angle ()=		Image: Specing Crit Specing Crit 10 60.001 Zonal Longe 10 0.5001 Zonal Longe 10 59 Zonal Longe 10 59 Zonal Longe 10 59 Spacing Crit 10 500 Spacing Crit	r density []		WARRANTY INFO: REQUIRED METRICS ADDITIONAL METRICS	7 years	States - Ingent Mart	38,8 ×	1. 94,46	Color Asserse	84 cm
put Votage ()= NV ()= Is ()= Otal Harmonic Diatorion ()= Isaan Angle ()= Lenter Beam Cantlepower()=	1 1	Implicit Zood Ummer 00 #101.4 Zood Ummer 00 800.4 Zood Ummer 00 800.4 Zood Ummer 10 99 Zood Ummer 10 99 Zood Ummer 10 99 Zood Ummer 10 99 Zood Ummer 10 90 Spacing Cri 10 500 Spacing Cri 10 100000 Spacing Cri	r density ()		WARRANTY INFO: REQUIRED METRICS: ACOTTONAL METRICS: ingul voluge:	7 years	A Short Water and A	38.8 -	Same par tites 94,46 mm	Color Asserte	84 cm
nost Votage []= NVV []= Is []= dal Hamonic Disortion []= Haan Angle []= anter Beam Cantlepover[]=	1 4000 388 0 7 724	Image: Second	n denaîty []		WREEKTY INFO: REQUIRES MITTERS ADDITIONAL METRICS Spari Folge, From Type	7 years Lance Target 120 KC	3665 - ^{Input Wat}	38.8	Series pr Wet 94,45 mm Date Rept Date Rept	Color Assess	y ittin 84 cm tiget time ittin 500
nput Vottage []= DUV []= ta []= fotal Hamonic Distortion []= Baam Angle []= Center Beam Cantlepower]= Conty include product Conty include product		0 em.x 2000 bit for 2000 b	density		WARRANTY INFO: REQUINED ANTINCS ADDITIONAL METRICS Spall Volupi Tomer Type Power Type	7 years Lance Terre 120 AC 0.99	3665 - ^{Input Wat}	38.8 -	Lansen per Wat 94,46 mm Dense Kein Cardisposet Sand Lansen Senda Salar 1	Calar Assess	and the second s
nout Vottage []= SUV []= IS []= Isam Angle []= Center Beam Cantegorere]= Chily Include product] Only Include product] Only Include product	i toto	0 enx.4 2000 Jong 0 60.01 2000 Jong 0 80.01 2000 Jong 0 80.01 2000 Jong 0 9 2000 Jong 2000 Jong 0 155 Spacing Crit 5000 Jong 0 5000 Jong 5000 Jong 5000 Jong 0 155 Spacing Crit 5000 Jong 0 155 Spacing Crit 5000 Jong 0 155 1500 Jong 1000 Jong 0 155 1500 Jong 1000 Jong 0 1500 Jong 1000 Jong 1000 Jong	density density		WARRANTY INFO. REQUIRED METHODS ADDITIONAL METHODS Spail Voltage France Type Power Factor Spail	7 years Lanet Topp 120 AC 0.99 0.00709	A, Yook (Second Second Se Second Second Seco	38.8 -	Lanter Jay Wat 94,46 wet Datter Rept Cartlegower Service Servi	1177 71.4 3.9	y inter 84 cm
Input Vetage [Pe DUV [Pe Rs [Per Numeric Distriction]Pe Teal Harmonic Distriction]Pe Deniar Resim Candepower [Pe Deniar Hearn Candepower [Pe Conty Include product] Only Include product] Only Include product	s that have been Verification s that have been Verification s that have been Verification s auto dimming information is that have boact values as with dimming information is that have boact values	0 en.4 Bigoulyme 0 6.50.4 Jone large 0 5.50.4 Jone large 0 8 Spacing Crit 0 5.50 Spacing Crit 0 5.50 Spacing Crit 0 Tested Only incid 0 10.00 Space 0 Tested Only incid 0 10.00 Space 0 10.00 Space 0 10.00 Space 0 10.00 Space	density		WARRANTY INFO: INCOMENDATION ADDITIONAL METRICS Type Inform Page Face Page Face Pa	7 years Lanes Depe 120 AC 0.09 0.00709 6.67	7, View Viewerky II 19665 w	38.8 =	Lesses pa Wes 94.46 min 2456 Min 2460 part 2460 Lane Lessa 1947 Lane Lessa 194	1177 71.4 3.9 1.12	y inter 84 cm

		Watts (W)	40
		Light Output (Lumens)	3800
		Efficacy (Lumens/Watt)	95
×		Color Assurance (CDD)	
SEESMART	Spec She	Color Accuracy (GRI)	84
EARTH PRIENOLY LEG SOLUTIONS	opeo one	Color Temperature (K)	5000
	-	Lighting Angle/Type	180
Name 40W 48 Tamper Prod Vapor Table 5000K		Power Factor	0.99
gdon Extenior Luminaires, Vapor Tight, Tamper Proof, 40W, 5000K, Milky, 125-277VAC			100.077
ated Everyy Cost (Skys)** \$4.02		Working Voltage	100-277
(W) 40		LED Count/Type	240
Subpl (Lamena) 3000	10-1	Lens Reflector Style	Milky
(y (Lumena/Watt) 95		and a second sec	moky
Accuracy (CRI) 84	The Local Division of	Occupies Temperature (D)	41- 412
riperature (K) 5000		Operating remperature (F)	-410 113
jeriye 180	The second second	Mount/Base Type	Surface Mount
190.777		Dimensions (inches)	48.00 L x 3.50 W x 3.00 H x 0.00 DIA
#Type 340			F 80
ctur Style Miky		weight (pounds)	5.29
	and	Typically Replaces	Two 40W T8 Fluorescents
Temperature (F) 4 to 113 ex Ture Sorters Mount	and a summaries of the local division of the local division of the local division of the local division of the	Typical Life Expectancy (170 Hours)	50.000
(mutera) 48.00 L x 3.50 W x 3.00 H x 0.00 DKA		(),	
ponti 5.29		Approvals / Certifications	UL DLC IP65
y Replaces Two 40W T8 Pluorescents			
el Life Expectancy (J.70 Hours) 50,000			
als / Certifications UI, DLC IP65		Photometric Data Available?	No
		ICC Cite Austichten	
ic Data Available? No		IES FBC Available?	No
valiable? No		Features	
		<u>I constant</u>	
experiences of the defined of the definition of the effect of the definition of t		Sturdy, tamper-proof troffers offer efficient LED tight aluminium housing is IP65-rated, mounts polycarbonate lens. Conduit access is provided ideally suited for interior or exterior applications refineries, wet or hazardous environments, hosp IP65 compliant for wash-down.	lighting for wet or hazardous environments. Rigid, yapor- on walls or ceilings, and has an impact-resistant at both ends of the fixture. These vapor-ight troffers are such as food processing, warehouses, parking garages, itals, or recreation centers. Certified by UL for safety and
The preference performance internation provided in this notice is pending verification by an independent jadionatiny. Contact your Teresmant representative for more information about photometric and other manual testing information for this product.			
sulation based on 3 hours/stay, \$2 115Wh. Cost depends on rates and use.		NOTE: The preliminary performance information pre- testing laboratory. Contact your Seesmart represent	ovided in this notice is pending verification by an independent stative for more information about photometric and other

SEESMART	PRODUCTS SERVICES	KNOWLEDGE BASE MEDIA SU	IPPORT ABOUT US	
DLC APPROVED PRODU	CTS			EC
DesignLights Consortium (DLC) is a collaboration energy efficiency organizations. Their goal is to e efficient lighting design becomes customary in al products have been accepted by DLC and listed o quality, energy-efficient design lighting.	of utility companies and regional nsure that high-quality, energy- lighting installations. These Seesmart in the Qualified Products Ust as high-	DESIGNLIGH	TS .	
	G2 SP 36W 4000K 2	x2 Double Barrel LED Luminaire	SKU: 150203-003	
APPLICATION GUIDE	Watts: 36W	Efficacy: 88.2222	MORE INFO	
Replacement Matrix	Color Temp: 3800-4300	Base: -	DOWNLOAD	
PRODUCT LISTING	CR0: 86	Replaces: 32-45W TB Fluorescent	BOOKMARK	
PRODUCT LISTING	62 SP 42W 4000K 2	v4 Double Barrell ED Lumionice	ANTE 1 60001 000	
DECORATIVE LIGHTING	Watter 42W	Efferne 02 1667	380. 190204-003	
Candelabras	Lumens: 3913lm	Voltage: 120-277VAC	MOREINFO	
EXTERIOR LUMINAIRE LIGHTING	Color Temp: 3800-4300 CH0: 86	Base: - Replaces: 96-128W T8 Fluorescent	DOWNLOAD	
Exterior Luminaires			BOOKMARK	
Street Lights Wall Washers	G2 SP 68W 4000K 2	x4 Double Barrel LED Luminaire	SKU: 150205-003	
HOLD ON BAY INSTING	Watts: 68W	Efficacy; 93.5882	MORE INFO	
High Bays	Lumens: 6364lm Color Temp: 3800-4300	Voltage: 120-277VAC Base:	DOWINLOAD	
Low Bays	CRU: 85	Replaces: 96-128W T8 Fluorescent	BOOKMARK	
MULTI-PURPOSE LIGHTING				
High Power Lamps	2x2 30W 4000K Dir	nmable LED Thin Panel	SKU: 150010-001	
Household Lamps	Watts: 32W Lumens: 2706lm	Efficacy: 85.9048 Voltare: 120-277VAC	MORE INFO	
INTERIOR LUMINAIRE LIGHTING	Color Temp: 4000	Base: N/A	DOWNLOAD	
Interior Luminaires Spotlights	CAL: 81	Replaces: 100 32-45W 18 Pluorescent	BOOKMARK	
Downlights	2x2 30W 5000K Dir	nmable LED Thin Panel	5KU: 150310-002	
LINEAR THRE HOUTING	Watts: 30W	Efficacy: 100	MORE INFO	
Tube Lights	Color Temp: 5000	Base: N/A	DOWNLOAD	
	CRI: 83	Replaces: Two 32-45W T8 Fluorescent:	BOOKMARK	



		Spec Sheet	5
SKU#	110401-102		21
Product Name	60W DW 1X4 Vapor-Tight LED		
Description	Vapor-Tight, 60W, 5000K, 120-277		
Estimated Energy Cost (\$/yr)**	1.221		
watts (w)			
Light Output (Lumens)	6500		
Color Accuracy (CPI)	108.333		
Color Temperature (K)	5000		
Lighting Angle/Type	Elond		
Power Factor	0.08		
Working Voltage	120-277/AC		
LED Count/Type	208		
Lens Reflector Style	Milky		
Operating Temperature (F)	-22 to 104	5000 During K. Hessi Halde	
Mount/Base Type	Surface Mount	7000 Cold Write Rucrescent 6500	
Dimensions (inches)	50.80 L x 6.70 W x 3.90 H x 0.00 DIA	5000 9hl. Oner Head Helice 5500 0 4,000K	
Weight (pounds)	7	5000 4500	
Typically Replaces	Two 32-45W T8 Fluorescents	4000 0 Noteen	
Typical Life Expectancy (L70 Hours)	50000	3000 Savdard Incandescent	
Approvals / Certifications	UL RoHS IP65	2500 High Pressee Solver	
		1500 2,500	
Photometric Data Available?	Yes		
IES File Available?	Yes		
Features			
Effective advanced LED integration in a stylish wall/ceil with specialized polycarbonate prismatic diffuser cover wide voltage and constant current design with high pow savings in energy consumption; mercury-free, no noise is UL listed with wet location rating, RoHS compliant, at	ing fixture shape and style; polycarbonate base provides intensified light; long 50,000 hour life; er factor; high shock & vibration resistant; 50%+ , no flickering, and no UV emissions. This product seembled in the USA, and fully recyclable.		
NOTE: The performance information provided in this notice your RVLT representative for more information about photo	is based on calculated or tested results. Contact metric and other performance testing information for		

SEESMART	PRODUCTS SERVICES	KNOWLEDGE BASE MEDIA SI	UPPORT ABOUT US	1
DLC APPROVED PRODUC	TS			EC
DesignLights Consortium (DLC) is a collaboration o energy efficiency organizations. Their goal is to en- efficient lighting design becomes customary in all in products have been accepted by DLC and listed on quality, energy efficient design lighting.	f utility companies and regional ure that high-quality, energy- ighting installations. These Seemart the Qualified Products List as high-	DESIGNLIGH	TS	
	G2 SP 36W 4000K 2	x2 Double Barrel LED Luminaire	5KU: 150203-003	·
APPLICATION GUIDE	Watts: 36W	Efficacy: 88.2222	MORE INFO	
Genlacement Matrix	Color Temp: 3800-4300	Uose: -	DOWNLOAD	
PRODUCT LISTING	CRU: 86	Replaces: 32-45W T8 Fluorescent	BOOKMARK	
	G2 SP 42W 4000K 2	x4 Double Barrell FD Luminaire	SITE 150204-003	
DECORATIVE LIGHTING	Watts: 42W	Efficance 93.1667	MORTINEO	
Candelabras	Lumens: 3913im	Voltage: 120-277VAC	MORE INFO	
EXTERIOR LUMINAIRE LIGHTING	Cito: 86	Replaces: 96-128W T8 Fluorescent	DOWNLOAD	
Exterior Luminaires			BOOKMARK	
Wall Washers	G2 SP 68W 4000K 2	x4 Double Barrel LED Luminaire	SKU: 150205-003	
MON D CHAR BAY LIGHTING	Watts: 68W	Efficacy: 93.5882	MORE INFO	
High Bays	Lumens: 6364lm Color Temp: 3800 4300	Voltage: 120-277VAC Base:	DOWNLOAD	
Low Bays	CRJ: 85	Replaces: 96-128W TB Fluorescent	BOOKMARK	
MULTI-PURPOSE LIGHTING				
High Power Lamps	2x2 30W 4000K Dir	nmable LED Thin Panel	SKU: 150010-001	
Household Lamps	Watts: 32W	Efficacy: 85.9048 Wellame: 120.277/4/	MORE INFO	
INTERIOR LUMINAIRE LIGHTING	Color Temp: 4000	Base: N/A	DOWNLOAD	
Interior Luminaires Spotlights	CR0: 81	Replaces: Two 32-45W 18 Fluorescent	¹⁵ ВООКМАЛК	
Downlights	2x2 30W 5000K Dir	nmable LED Thin Panel	5KU: 150310-002	
	Watts: 30W	Efficacy: 100	MORE INFO	
Tube Lights	Color Temp: 5000	Voltage: 120-277VAC Base: N/A	DOWNLOAD	
	CRJ: 83	Replaces: Two 32-45W T8 Fluorescent	BOOKMARK	



	LY LED SOLUTIONS	Spec Sheet	-C
SKU#	150204-003		<u> </u>
Product Name	G2 SP 42W 4000K 2X4 Double Barrell ED Lumanare		
Estimated Energy Cost (EAr)H	E 0500		
Write (M)	42		
Light Output (Lumens)	3913		1
Efficacy (Lumens/Walt)	93.1667		
Color Accuracy (CRI)	86	STORE COLORADOR	
Color Temperature (K)	3800.4300	7500 Allon Allon	
Lighting Angle/Type	120	1300 June	
Power Factor	0.9	1000 - Ski. Chur Pakel Takin 1000	
Working Voltage	120-277VAC	4300 Alexe (30) New Indda	
LED Count/Type	96	1000 June	
Lens Reflector Style	Frosted	2000 Content Standard Strandard Stra	
Operating Temperature (F)	-40 to 113	2000 Part International	
Mount/Base Type		9 7 - 50	
Dimensions (inches)	48.00 L × 23.80 W × 3.30 H × 0.00 DIA		
Weight (pounds)	24.7		
Typically Replaces	96-128W T8 Fluorescent		
Typical Life Expectancy (L70 Hours)	50000		
Approvals / Certifications	ULDLC	>	
Photometric Data Available?	No		
IES File Available?	No		
Features			
Effective advanced LED integration is and style; specialized low profile dua hour life; wide voltage and constant of high shock & vibration resistant; 50% flickering, and no UV emissions. This	n a traditional low-profile lightweight recessed troffer luminaire shape drop basket diffuser covers provide smooth even light, long 30,000 urment design with high power factor; dimmable with 0-100 signal; + savings in energy consumption; mercury-free, no noise, no sproduct ia UL listed, RoHS compliant, and fully recyclable.		







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QLIQ-List	P # 22 0	II AZ 🛠 🌱 1562101	of 166280			🖩 Reports 🔸 🚺	Add Prod
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All QLQ-List	166280	1 DRD1Sex ENERGY	STAR ID: 2246526	DRD1Sxxx	DWF Lighting	denf LUGHT	3
		2 DRD1Rxxx ENERGY	STAR ID: 2246525	DRD1Roox	OWF Lighting	drif LIGHT	3
Now Qualified LEDe	130629	DLED-ARFK93050UM	V ENERC 2246918	DEED-ARFK93050UNV	Deco Lighting	Deco Lighting	3
		4 DLED-ARFK93040UM	V ENERX 2246969	DLED-ARFK93040UNV	Deco Lighting	Deco Lighting	3
Chebrow ettab	121,855	5 DLED-ARFK93035UN	V ENER: 2246968	DLED-ARFK93035UNV	Deco Lighting	Deco Lighting	3
	774	6 DLED-ARFK93030UM	V ENER: 2246967	DLED-ARFK93030UNV	Deco Lighting	Deco Lighting	3
o ut	10	7 DLED-ARFK93027UN	V ENERC 2246910	DLED-ARFK93027UNV	Deco Lighting	Deco Lighting	3
Relati Instant.	166280	I DLED-ARPKIR250UM	VIENERC 2246938	DLED-ARFK92350UNV	Deco Lighting	Deco Lighting	3
(RDP)		DLED-ARFK92340UM	V ENERC 2246937	DLED-ARFK92340UNV	Deco Lighting	Deco Lighting	.8
INCENTINZED AT	337	10 DLED-ARFK92335UM	VIENERC 2246936	DLED-ARFK92335UNV	Deco Lighting	Deco Lighting	3
SELECT RETAILERS		11 DLED-ARFK92330UM	VIENERC 2246935	DLED-ARFK92330UNV	Deco Lighting	Deco Lighting	3
	10000	12 DLED-ARFK92327UN	V ENER: 2246922	DLED-ARFK92327UNV	Deco Lighting	Deco Lighting	3
Qualication Status	166290	13 DLED-ARFK91450UM	VIENERC 2246958	DLED-ARFK91450UNV	Deco Lighting	Deco Lighting	3
© Guained	21.098	14 DLED-ARFK91440UM	VIENER: 2240957	DLED-ARFK91440UNV	Deco Lighting	Deco Lighting	1
0 Deputient	202	15 DLED-ARFK91435UN	VIENER: 2246956	DLED-ARFK91435UNV	Deco Lighting	Deco Lighting	1
C Linknown	506	16 DLED-ARFK91400UN	VIENERK 2246955	DLED-ARFK91430UNV	Deco Lighting	Deco Lighting	1
10000	100	17 DLED-ARFK9142TUN	V ENER: 2246954	DLED-ARFK91427UNV	Deco Lighting	Deco Lighting	1
Qualified by	166250	10 DLED-ARFKED050UM	V ENERC 2246966	DLED-ARFK83050UNV	Deco Lighting	Deco Lighting	1
O DLC	140,661	19 DLED-ARFK83040UM	V ENER: 2246917	DLED-ARFK83040UNV	Deco Lighting	Deco Lighting	1
ENERGY STAR	22,539	22 DLED-ARFK83035UM	V ENERC 2246916	DLED-ARFK83035UNV	Deco Lighting	Deco Lighting	1
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Team views		•	1 1	RD	-			F Lighting	dmf LIGHT	QL
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All QLIQ-List	166280		3 1	LED-	Qualification Status			to Lighting	Deco Lighting	QL
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0			5 1	LED-			No filters applied	to Lighting	Deco Lighting	QL
OLC 0	121,855		6 1	LED-	Date Quarted		down the results in your view.	to Lighting	Deco Lighting	Qi.
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O LDL	724		8 8	NCO-	Date Last Confirmed			to Lighting	Deco Lighting	QL
Detail Instant	100000		9 1	DLED-	001 000 0-1-11			to Lighting	Deco Lighting	QL
Discount Program	100200		10	DLED-	SUE REP Perail Ince			to Lighting	Deco Lighting	QL
(RIDP)			11 ()LED-	Input Power (watts)	~		to Lighting	Deco Lighting	QL
 INCENTIMIZED AT SELECT RETAILERS 	337		12	LED	ARFK92327UNV ENERG	2246922	DLED-ARFK92327UNV	Deco Lighting	Deco Lighting	QL
			13	LED-	ARFK91450UNV ENERG	2246958	DLED-ARFK91450UNV	Deco Lighting	Deco Lighting	QL
Qualification Status	166280		14 (LED	RFK91440UNV ENERG	2246957	DLED-ARFK91440UNV	Deco Lighting	Deco Lighting	QL
Qualified	144,283		15 0	LED	NRFK91435UNV ENERG	2246956	DLED-ARFK91435UNV	Deco Lighting	Deco Lighting	QL
De-listed	21,098		16 0	LED	RFK91430UNV ENERG	2246955	DLED-ARFK91430UNV	Deco Lighting	Deco Lighting	QL
 Disgualified 	393		17 6	DLED-	NRFK91427UNV ENERG	2246954	DLED-ARFK91427UNV	Deco Lighting	Deco Lighting	QL
 Unknown 	506		18 (LED-	ARFK83050UNV ENERG	2246966	DLED-ARFK83050UNV	Deco Lighting	Deco Lighting	QL
Qualified by	166280		19	LED-	ARFK83040UNV ENERG	2246917	DLED-ARFK83040UNV	Deco Lighting	Deco Lighting	QL
DLC	140.661		20	LED-	ARFK83035UNV ENERG	2246916	DLED-ARFK83035UNV	Deco Lighting	Deco Lighting	QL
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nsaved view 5000 166280	C < Product Title	QPL ID	Model Number	Manufacturer	V IEL12LWDX0000LP740X0	ODOOKELCX0000KWGX
II QLIQ-List 166280 A	1 DRD1Stoor ENERGY S	STAR ID: 2246526	DRD1Sxxx	DMF Lighting	 [DLC ID P00000113 - De-Isted Acuty Brands Lighting High-Bay Indoor C 	
	2 DRD1Roox ENERGY S	STAR ID : 2246525	DRD1Roox	DMF Lighting	Product in QLIQ-Search - Lig	nting Design Lab
ow Qualified LEDs 138629	3 DLED-ARFK93050UNV	ENERC 2246918	DLED-ARFK93050UNV	Deco Lighting	IBL12LWDSD125X0000LL [DLC ID P00000114 - De-II	P740X000000DLCX000 isted Acuity Brands
	4 DLED-ARFK93040UNV	ENERC 2246969	DLED-ARFK93040UNV	Deco Lighting	Lighting High-Bay Ind Product in QLIQ-Search - Lig	nting Design Lab
DLC 121,855	5 DLED-ARFK93035UNV	ENERC 2246968	DLED-ARFK93035UNV	Deco Lighting	O IEL12LWDXXXXXXLP750X	000000110000000000
ENERGY STAR 16,048	6 DLED-ARFK93030UNV	ENERC 2246967	DLED-ARFK93030UNV	Deco Lighting	V (DLC ID P0000011E - De- Lighting High-Bay Indeer	isted Acuity Brands C.
- LDC - 724	7 DLED-ARFK93027UNV	ENERC 2246910	DLED-ARFK93027UNV	Deco Lighting	Product in QLIQ-Search - Lig	nting Design Lab
etail Instant 166280	8 DLED-ARFK92350UNV	ENERC 2246936	DLED-ARFK92350UNV	Deco Lighting	Deco Lighting	Q1
iscount Program RIDP)	9 DLED-ARFK92340UNV	ENERG 2246937	DLED-ARFK92340UNV	Deco Lighting	Deco Lighting	QL
INCENTIMIZED AT 337	10 DLED-ARFK92335UNV	ENERC 2246936	DLED-ARFK92335UNV	Deco Lighting	Deco Lighting	QL
ELECT RETAILERS	11 DLED-ARFK92330UNV	ENERC 2246935	DLED-ARFK92330UNV	Deco Lighting	Deco Lighting	QL
	12 DLED-ARFK92327UNV	ENERC 2246922	DLED-ARFK92327UNV	Deco Lighting	Deco Lighting	QL
ualification Status 166280	13 DLED-ARFK91450UNV	ENERC 2246958	DLED-ARFK91450UNV	Deco Lighting	Deco Lighting	QL
Qualited 144,203	14 DLED-ARFK91440UNV	ENERC 2246957	DLED-ARFK91440UNV	Deco Lighting	Deco Lighting	Q.
Devested 21,056	15 DLED-ARFK91435UNV	ENERC 2246956	DLED-ARFK91435UNV	Deco Lighting	Deco Lighting	Q4
Unknown 506	16 DLED-ARFK91430UNV	ENERC 2246955	DLED-ARFK91430UNV	Deco Lighting	Deco Lighting	QL
0.000	17 DLED-ARFK91427UNV	ENERC 2246954	DLED-ARFK91427UNV	Deco Lighting	Deco Lighting	QL
ualified by 166280	18 DLED-ARFK83050UNV	ENERC 2246966	DLED-ARFK83050UNV	Deco Lighting	Deco Lighting	Ok.
DLC 140,661	19 DLED-ARFK83040UNV	ENERC 2246917	DLED-ARFK83040UNV	Deco Lighting	Deco Lighting	Ok.
ENERGY STAR 22,539	20 DLED-ARFK83035UNV	ENERC 2246916	DLED-ARFK83035UNV	Deco Lighting	Deco Lighting	QL
LDL 3,076	21 DLED-ARFK83030UNV	ENERC 2246915	DLED-ARFK83030UNV	Deco Lighting	Deco Lighting	QL

Podio uses fuzzy matching search



These lighting products exemplify the common challenge of model number formats differing significantly between the product spec sheet and the QPL listing. Here are several products as listed on their respective spec sheets:

Model Number from Spec Sheet	Podio Search Strategy
ICO 30/50 6AR 20D 120 EZB	Search "ICO 30/50"
	 In the dropdown, see the suggested match, "ICO-<u>zz</u>/xx-6yy <u>qq ww</u> MVOLT ENERGY STAR ID 2203720"
	That's it
WPT-LS1-A/50K/P	 Search "WPT LS1 A/50K/P" *Note substituting spaces for the dashes
	 In the dropdown, see the suggested match, "WP[T,Q]-LS1-A/50K/P DLC ID P000019H1"
	 That's it (or hit Enter if you like to see a list of all matches that you can then drill into and then return to the list via the browser Back button)
SFP-T2-5-130LA-NW-120-NP-PCR5	 Search "SFP T2 130LA NW 120" "Note substituting spaces for the dashes In the dropdown, see the suggested match, "SELA, V, or PJ-XXX-XXX-S130LA- NW-120-220V or 347VJ-XXX DL IO P0000144W"
	 That's it (or hit Enter if you like to see a list of all matches that you can then drill into and then return to the list via the browser Back button)
E-XPX24L40LHGUEB	Search "E-X"
	 In the dropdown, see the suggested match, "E-X[P,C]X24L40LHGUEB[All Options Except -9, -L35, -L41, -L50] DLC ID P00001EA8"
	That's it
HEX-021-A-CW-MT-FLR	 Based on the spec sheet, see that "021" and "FLR" are the most essential elements of the product model
	Search "021 FLR"
	 In the dropdown, see the suggested matches:
	 "021-FLR-[optional upgrades]-[mounting] DLC"
	 "FLR-021-[optional upgrades]-[mounting] LDL"
	 Hit Enter to then drill into these alternatives (returning to the list via the browser
	Back button)
	 Both of these QPL listings are a match for this product, one on DLC and one on LDL







