



Description:

LED commercial downlights have been upgraded 4th generation since 2013 Each engine works seamlessly with the all trims, making it truly modular. It is the ideal way to upgrade virtually any existing incandescent, CFL and HID commercial open frame rough-in section to high-performance LED illumination in a matter of minutes. Light engine is mounted directly to aluminum trim providing superior thermal management to ensure long life. pun aluminum reflector integrated with haze finish and white trim ring with shadow free t is available in 4", 6", 8" and 10" with up to 80w which is designed and engineered for recessed applications, which is suitable for commercial and public places, such as shopping mall, hospital, airport, hotel lobby, etc

Model:DNLR-27/40/80-OF	K	
Optical: CCT: Efficacy: CRI:	3K,35K,4K CCT selectable 85lm/w >80	
Electrical: Rated Power: Input voltage:	14 - 80 W 100-277V AC	
Life: Lumen maintenance: Warranty:	50,000hurs 2 Years	
General: Dimmable Solution: Enviroment: Operating temperature: Finish color Availability: Material: Certification:	1-10V Dimming Damp Location -20°C~40°C White /Black /Silver Die Casting ADC12 cULus	













Performance :

Model No.	Size	Lumen Output High Medium Low				Low	CCT Adjustable	Туре
DNLR27-OK	4"	14W,1148LM	20W,1600LM	27W,2025LM	3000K,3500K,4000K	IC		
DNLR40-OK	6"-8"-10"	40W,3500LM	27W,2300LM	18W, 1500LM	3000K,3500K,4000K	IC		
DNLR80-OK	6"-8"-10"	80W.6800LM	65W, 5500LM	50W, 4200LM	N/A	NON-IC		

Ordering Table :

EXAMPLE:DNLR-40-27-06-NC-UNV-3C-EM-OK

Model	Watt	Input VAC	Size	Size Type		сст	Option
DNLR-OK	27 40 80	120 :11 100-277:27	4": 04 6": 06 8": 08 10":10	New Construction : NC Remodel : R	Triac: T 1-10V :UNV	3CCT:3C 3000K:3K 4000K:4K 5000K:5K	Emergency Driver:EM







Specification :

Optics								
Spun aluminum reflector integrated with haze finish and white trim ing with shadow free, deeply regressed diffusing lens conceals the LEDs from direct view.								
Electrical								
LED Driver	Powered by Class 2 high efficiency LED driver, with a standard 1-10V dimming which continuous dims to 10% that works with many types of controls. Tested ® ® Dimmers: Lutron Diva-Dvtv, Leviton IP-710-DL.							
THD	<20%							
Power Factor	>0.9							
Input Voltage	Standard electronic drivers are cULus recognized and available for 110-277V AC.							
LED System								
CRI	Minimum 80 color rendering index							
CCT	color temperature with a great color consistency, or CCT adjustable from 3000K,3500K and 4000K @27 and 40							
LED	Life Minimum 50,000h with 87.8% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements							
Thermal Management	Aluminum housing acting as the heat sink to maximize life.							
Environment	Damp rated in operating ambient temperatures of -20°C~40°C.							
Mounting								

It is provided with spring steel friction clips allowing for installation in a variety of commercial recessed open frame rough-in sections.

Certifications:

cULus listed for damp locations Energy Star Listed Tested to IESNA LM-79 and LM-80 2 years limited warranty

Optional Function

Emergency Option	Optional low voltage emergency LED driver EM-L series can be provided. When AC power fails, it immediately switches to the emergency mode, operating for lighting up to 120 minutes. When AC power is restored, it automatically returns to the charging mode which meets critical life-safety
	lighting requirements. For more info or spec sheet, please visit our website or contact sales.
	WEDSILE OF CONTACT SAIES.







Twist And Lock Engine - Lower Stock Risk Allow Easy Modifications On Site

Light engine is mounted directly to aluminum trim providing superior thermal management to ensure long life.Spun aluminum reflector integrated with haze finish and white trim ring with shadow free. Deeply regressed diffusing lens conceals the LEDs from direct view.



LED DIVER

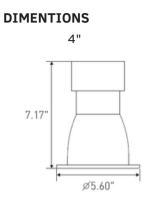
Isolated and class 2 output led driver that accommodates input voltages from 110-277 volts AC or110-347 volts AC, dimming with the use of most 1-10V dimmers

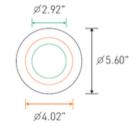




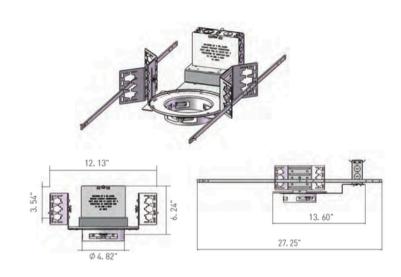








Mounting Diameters: 4"-4.7"



DISTRIBUTION DIAGRAM

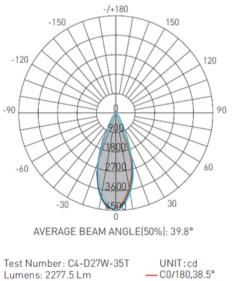
10 20

70 80

90

100

110 120



0		130
AVERAGE BEAM ANGL	E(50%): 39.8°	140
		150
Test Number: C4-D27W-35T	UNIT:cd	160
Lumens: 2277.5 Lm		170
Watts: 25.99 W		180
LPW: 87.64 Lm/W CCT: 3500K		DEG
001.000011	0/0/2/0,40.0	

	Zona	Zonal				
	C0	C45	C90	C135	C180	Ť
	3526	3614	3773	3777	3951	0-10
	1840	2066	2173	2290	2289	10-20
	642.7	620.7	633.2	645.9	650.1	20-30
	267.3	232.0	212.4	186.8	208.2	30-40
	104.0	90.10	77.47	62.39	72.44	40-50
	39.11	33.57	28.98	23.40	26.49	50-60
	13.31	12.29	11.50	9.398	10.05	60-70
	2.398	2.615	3.295	2.316	2.221	70-80
	0.1544	0.0725	0.0700	0.0748	0.0755	80-90
	0.0794	0.0794	0.0934	0.0864	0.0794	90-100
	0.0794	0.1074	0.1401	0.1260	0.1335	100-110
	0.1587	0.2077	0.2662	0.2522	0.2522	110-120
	0.3638	0.4527	0.5326	0.5250	0.4906	120-130
	1.012	1.181	1.243	1.153	1.084	130-140
	2.687	2.862	2.845	2.633	2.519	140-150
	4.998	5.053	5.034	4.790	4.666	150-160
	7.029	7.112	7.158	6.916	6.752	160-170
	8.081	8.177	8.179	8.207	8.086	170-180
_						

onal L	umens	Lumin	ancec	d/(m2)
Ť	total	G(DEG)	C0/180	C90/270
0-10	386.8	85	863	1168
10-20	1227	80	1748	2402
20-30	1816	75	3276	3333
30-40	2068	70	4927	4256
40-50	2187	65	7042	5477
50-60	2240	60	9902	7336
60-70	2262	55	14117	10335
70-80	2270	50	20479	15256
80-90	2271	45	30007	23078
0-100	2271			
00-110	2271			
10-120	2271			
20-130	2272			
30-140	2272			
40-150	2273			
50-160	2275			
60-170	2277			
70-180	2278			
UNI	r: lm			

Due to continuous improvements, the information herein may be changed without notice 831 3rd St W, North Vancouver, BC V7P 3K7 Canada | P.: +1(604) 770-3315 | E: info@maxtarlighting.com

LUMINOUS INTENSITY:cd

OPTIONAL NEW COSTRACTION FRAME



SPECIFICATION SHEET



MOUNTING ACCESSORY DIMENTIONS STANDARD-CLIPS 6" 8.47" (40W-IC) 10.05"(80W Non-IC) 99999 ø4.18 ø5.99 \$7.49 ø7.45 Mounting Diameters: 6"-6.7" 8" 8.98" (40W IC) **OPTIONAL-SPRING CLIPS** 10.56" (80W Non-IC) ø4.18 ø7.57 Designed for CES downlight fixation, this spring clip ø 9.30 ø9.26" can be used to secure the light to the housing frame kit if the existing clips could not match the mounting Mounting Diameters: 7.7"-8.4" diameters. Made of premium material for long time and durable use. 10" 6inch 9.26" [40W IC] 10.84"(80W Non-IC) 1.11* ø4 18 ø9.26 ø10.95* ø10.99 Mounting Diameters: 10"-10.7" 8inch 1.11 48 10inch 1.11 9.07

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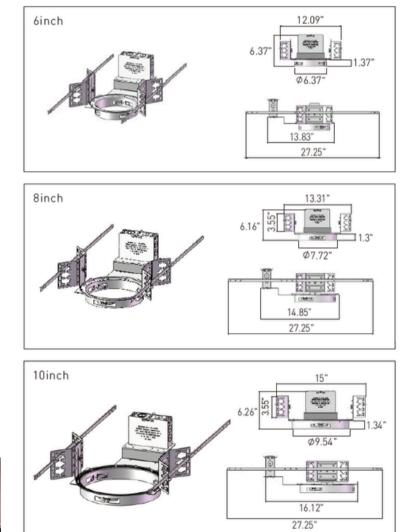
SPECIFICATION SHEET



OPTIONAL NEW COSTRACTION FRAME

The frame kit was specifically designed for the CES series, it delivers the perfect aperture for a tight, seamless fit. This minimizes the apace and materials required for installation. steel housing frames are suitable for new construction. They are available in 6 inch,8inch and10 inch







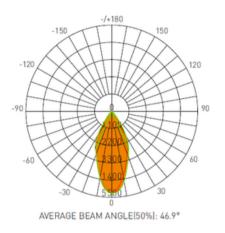
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DISTRIBUTION DIAGRAM

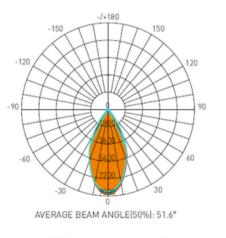
8"-40W



Lumens: 3454.8 Lm UNIT: cd Watts: 40 W – C0/180,23.6,23.1 LPW: 86.37 Lm/W – C90/270,23.2,24.0 CCT: 3000K

	0.0030 0.0028 0.0022 0.0069 0.0047 0.0056 0.0130 0.0125 0.0130 0.0296 0.0321 0.0255			ram	
Ť	CO	C45	C90	C135	C180
10	4207	4415	4558	4486	4303
20	2908	2989	3048	3017	2951
30	1783	1845	1841	1886	1860
40	404.4	449.3	484.6	473.0	456.1
50	86.32	93.34	102.6	97.79	98.80
60	28.65	31.97	35.80	31.96	31.76
70	11.68	13.27	14.63	12.86	12.69
80	4.325	4.949	5.424	4.908	4.774
90	0.0042	0.0048	0.0057	0.0085	0.0064
100	0.0030	0.0028	0.0022	0.0028	0.0042
110	0.0069	0.0047	0.0056	0.0044	0.0083
120	0.0130	0.0125	0.0130	0.0125	0.0155
130	0.0296	0.0321	0.0255	0.0322	0.0305
140	0.0873	0.0858	0.0741	0.0856	0.0737
150	0.1587	0.1440	0.1159	0.1539	0.1406
160	0.1934	0.2072	0.1962	0.2238	0.2125
170	0.1596	0.2089	0.2004	0.2279	0.2055
180	0.1087	0.1105	0.1023	0.0966	0.1065
DEG		LUMINOUS	S INTENSI	TY:cd	

8"-80W



Lumens: 6288.5 Lm	UNIT:cd
Watts: 80 W	
LPW: 78.61Lm/W	
CCT: 3000K	C60/240,51.9 °

	Zo	nal Flu	ıx Diagı	ram		Zonal L	umens	Lumi	nance c	d/(m2)
Ť	CO	C45	C90	C135	C180	т	total	G(DEG)	C0/180	C90/270
10	7872	7743	7625	7552	7858	0-10	775.2	85	466	681
20	5741	5648	5579	5538	5777	10-20	2630	80	880	923
30	3072	3196	3154	3133	3168	20-30	4656	75	1033	1049
40	863.6	934.3	953.4	979.2	923.3	30-40	5823	70	1207	1239
50	154.7	156.7	165.2	184.7	180.9	40-50	6169	65	1530	1617
60	31.91	32.07	35.00	42.64	40.87	50-60	6241	60	2255	2474
70	11.69	11.21	11.99	13.96	13.43	60-70	6261	55	4114	4540
80	4.327	4.261	4.534	4.810	4.632	70-80	6269	50	8505	9079
90	0.1629	0.1966	0.1448	0.1684	0.1504	80-90	6271	45	18529	21493
100	0.1616	0.1471	0.1497	0.1443	0.1623	90-100	6271			
110	0.2522	0.2166	0.2029	0.2166	0.2211	100-110	6272			
120	0.5132	0.4694	0.4464	0.4604	0.4604	110-120	6272			
130	1.495	1.490	1.513	1.454	1.427	120-130	6273			
140	4.095	4.071	4.131	3.953	4.054	130-140	6275			
150	8.045	7.940	7.982	7.733	7.987	140-150	6278			
160	12.49	12.36	12.22	11.98	12.40	150-160	6283			
170	16.29	16.02	15.74	15.54	16.30	160-170	6287			
180	17.76	17.60	17.17	17.10	17.83	170-180	6288			
DEG		LUMINOUS	S INTENSI	TY:cd		UNIT	f: lm			







