

Highly Integrated Downlight Module

Product Specification



Benefits

- Wide flux output range
- Robust and stylish design with Die-cast Aluminum housing
- Simple & easy installation
- High visual comfort with glare control (UGR<19)

Product Description

CORE-DL-RC is highly integrated module solution for indoor downlight application. The product is using OSRAM PrevaLED CORE Mini COB technology and provides wide range of flux output in compact form factor.

- Compatible with OSRAM OPTOTRONIC drivers
- Lifetime L70B50 >50khrs
- System warranty up to 5 years

Features

- Color consistency < 3SDCM
- TM30 compliant, Rg 100, Rf 90
- Flux output range 900-3,900lm
- Beam angle FWHM at 65°

Applications

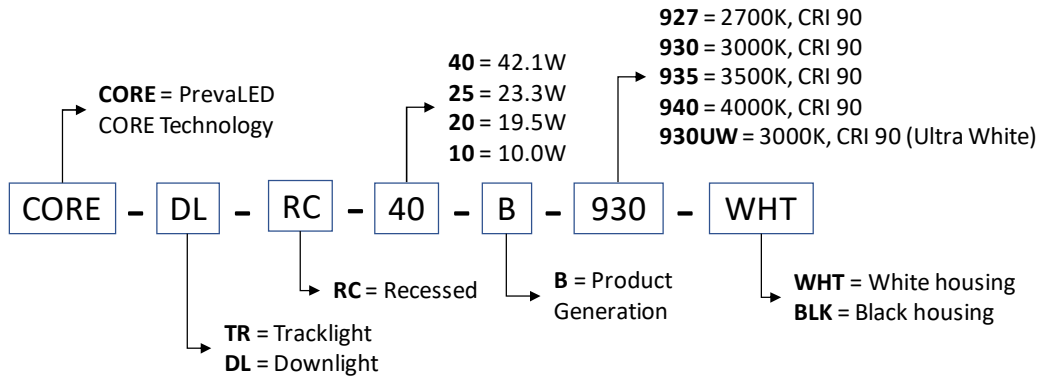
- Retail, shopping mall
- Office, education

Table 1. Product Performance, Ta = 25°C

Product name	Nominal CCT (K)	Min CRI	Flux Output (lm)		Typical Efficacy (lm/W)	Test Current (mA)	Nominal Power (W)	Beam Angle (FWHM)	PrevaLED CORE COB Model
			Min	Typ					
CORE-DL-RC-10-B-927	2700	90	774	855	86	250	10.0	62	CORE-Mini-1000
CORE-DL-RC-10-B-930	3000	90	814	900	90	250	10.0	62	CORE-Mini-1000
CORE-DL-RC-10-B-935	3500	90	841	930	93	250	10.0	62	CORE-Mini-1000
CORE-DL-RC-10-B-940	4000	90	859	949	95	250	10.0	62	CORE-Mini-1000
CORE-DL-RC-20-B-927	2700	90	1,502	1,660	85	500	19.5	63	CORE-Mini-2000
CORE-DL-RC-20-B-930	3000	90	1,572	1,738	89	500	19.5	63	CORE-Mini-2000
CORE-DL-RC-20-B-935	3500	90	1,627	1,799	92	500	19.5	63	CORE-Mini-2000
CORE-DL-RC-20-B-940	4000	90	1,662	1,837	94	500	19.5	63	CORE-Mini-2000
CORE-DL-RC-20-B-930UW	3000	90	1,479	1,635	84	500	19.5	63	CORE-Mini-2000
CORE-DL-RC-25-B-927	2700	90	1,741	1,925	83	600	23.3	65	CORE-Mini-2000
CORE-DL-RC-25-B-930	3000	90	1,823	2,015	86	600	23.3	65	CORE-Mini-2000
CORE-DL-RC-25-B-935	3500	90	1,887	2,086	90	600	23.3	65	CORE-Mini-2000
CORE-DL-RC-25-B-940	4000	90	1,927	2,130	91	600	23.3	65	CORE-Mini-2000
CORE-DL-RC-25-B-930UW	3000	90	1,715	1,896	81	600	23.3	65	CORE-Mini-2000
CORE-DL-RC-40-B-927	2700	90	3,186	3,521	84	1,050	42.1	71	CORE-Mini-3500
CORE-DL-RC-40-B-930	3000	90	3,333	3,683	87	1,050	42.1	71	CORE-Mini-3500
CORE-DL-RC-40-B-935	3500	90	3,455	3,819	91	1,050	42.1	71	CORE-Mini-3500
CORE-DL-RC-40-B-940	4000	90	3,529	3,900	93	1,050	42.1	71	CORE-Mini-3500

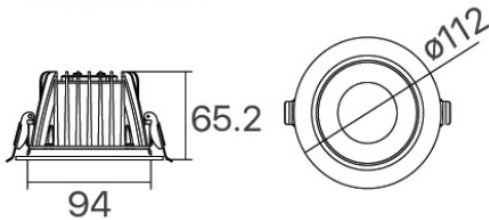
1. Nominal performance is measured at steady state at Ta = 25°C
2. Tolerance of measurements for the luminous flux, efficacy, power, CRI and CCT is ±5%
3. Module Power is including electrical loss of OT FIT drivers, refer to Table 2. Driver Matching

Product Code Nomenclature

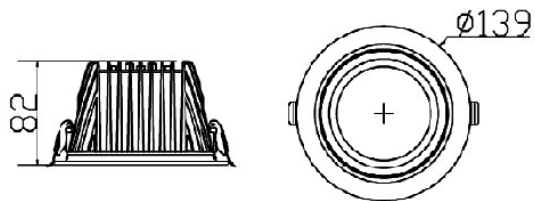


Mechanical Dimensions

CORE-DL-RC-20 / 10



CORE-DL-RC-25



CORE-DL-RC-40

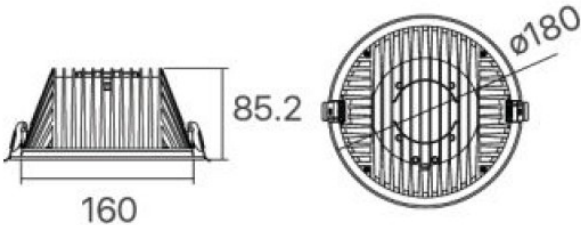


Table 2. Driver Matching

Product Name	OPTOTRONIC Driver Model	Drive Current (mA)	System Flux (Rel. to Table 1)	System Efficacy (Rel. to Table 1)	System Power (W)	System Warranty (years)
CORE-DL-RC-10	OT FIT 20/220...240/500 CS	250	100%	100%	10.1	5
	OT FIT 15/220...240/500 CS S Mini	250	100%	100%	10.0	5
	OT FIT 15/220...240/500 CS S Mini	225	91%	102%	8.9	5
	OT FIT 8/220...240/180 CS S Mini	180	74%	107%	7.0	5
CORE-DL-RC-20	ELEMENT 10/220...240/250	250	100%	100%	10.2	3
	ELEMENT 10/220...240/250 LPF	250	100%	100%	10.2	3
	ELEMENT 8/220...240/200	200	82%	105%	8.3	3

CORE-DL-RC-20	OT FIT 20/220...240/500 CS	500	100%	100%	19.5	5
	OT FIT 20/220...240/500 CS	450	91%	102%	17.3	5
	OT FIT 20/220...240/500 CS	350	72%	107%	13.1	5
	OT FIT 20/220...240/500 CS	250	53%	113%	9.1	5
	ELEMENT 20/220...240/500	500	100%	100%	19.0	3
	ELEMENT 15220...240/350	350	72%	107%	13.1	3
	ELEMENT 12/220...240/300	300	63%	110%	11.2	3
	ELEMENT 10/220...240/250	250	53%	113%	9.2	3
	ELEMENT 10/220...240/250 LPF	250	53%	113%	9.2	3
	Oti DALI 25/220...240700 LT2 NFC	500	100%	100%	19.4	5
	Oti DALI 25/220...240700 LT2	500	100%	100%	19.4	5
	OTI DALI 15/220 – 240/1A0 LT2 NFC	350	72%	107%	13.4	5
	OTI DALI 15/220...240/1A0 LT2	250	53%	113%	9.4	5
	OT 25W/PRG1250C/UNV/DIM (1-10V)	500	100%	100%	20.9	5
	OT 25W/PRG1250C/UNV/DIM (1-10V)	350	72%	107%	14.8	5
CORE-DL-RC-25	OT FIT 30/220...240/700 CS	600	100%	100%	23.3	5
	OT FIT 30/220...240/700 CS	500	85%	105%	19.0	5
	ELEMENT 25/220...240/600	600	100%	100%	23.5	3
	ELEMENT 20/220...240/500	500	85%	105%	19.3	3
	Oti DALI 25/220...240700 LT2 NFC	600	100%	100%	23.8	5
	Oti DALI 25/220...240700 LT2 NFC	500	85%	105%	19.7	5
	Oti DALI 25/220...240700 LT2	600	100%	100%	23.8	5
	Oti DALI 25/220...240700 LT2	500	85%	105%	19.7	5
	OT 25W/PRG1250C/UNV/DIM (1-10V)	600	100%	100%	25.5	5
	OT 25W/PRG1250C/UNV/DIM (1-10V)	500	85%	105%	21.2	5
CORE-DL-RC-40	OT FIT 40/220...240/1A0 CS	1050	100%	100%	42.1	5
	OT FIT 40/220...240/1A0 CS	950	92%	103%	37.5	5
	OT FIT 40/220...240/1A0 CS	900	88%	105%	35.2	5
	OT FIT 40/220...240/1A0 CS	800	79%	108%	30.8	5
	ELEMENT 44/220...240/1050	1050	100%	100%	42.1	3
	ELEMENT 38/220...240/900	900	88%	105%	35.4	3
	ELEMENT 33/220...240/800	800	79%	108%	31.0	3
	OTI DALI 50/220...240/1A4 LT2 FAN	1050	100%	100%	42.1	5
	OTI DALI 50/220...240/1A4 LT2 FAN	1050	100%	100%	42.3	5
	OTI DALI 35/220...240/1A0 LT2	900	88%	105%	35.8	5
	OTI DALI 35/220...240/1A0 LT2 NFC	900	88%	105%	35.7	5
	OTI DALI 35/220...240/1A0 LT2	800	79%	108%	31.5	5
	OTI DALI 35/220...240/1A0 LT2 NFC	800	79%	108%	31.5	5
	OT 40W/PRG1400C/UNV/DIM (1-10V)	950	92%	103%	39.3	5
	OT 40W/PRG1400C/UNV/DIM (1-10V)	800	79%	108%	32.6	5

Table 3. Ordering Codes

1. CORE-DL-RC-10-B

EAN 10	EAN 40	Product Code	Qty per Package (pcs)	MOQ (pcs)
4052899612969	4052899613003	CORE-DL-RC-10-B-927-WHT	18	108
4052899612976	4052899613010	CORE-DL-RC-10-B-930-WHT	18	108
4052899612983	4052899613027	CORE-DL-RC-10-B-935-WHT	18	108
4052899612990	4052899613034	CORE-DL-RC-10-B-940-WHT	18	108

2. CORE-DL-RC-20-B

EAN 10	EAN 40	Product Code	Qty per Package (pcs)	MOQ (pcs)
4052899613041	4052899613096	CORE-DL-RC-20-B-927-WHT	18	108
4052899613058	4052899613102	CORE-DL-RC-20-B-930-WHT	18	108
4052899613065	4052899613119	CORE-DL-RC-20-B-935-WHT	18	108
4052899613072	4052899613126	CORE-DL-RC-20-B-940-WHT	18	108
4052899613089	4052899613133	CORE-DL-RC-20-B-930UW-WHT	18	108

3. CORE-DL-RC-25-B

EAN 10	EAN 40	Product Code	Qty per Package (pcs)	MOQ (pcs)
4052899613140	4052899613195	CORE-DL-RC-25-B-927-WHT	12	96
4052899613157	4052899613201	CORE-DL-RC-25-B-930-WHT	12	96
4052899613164	4052899613218	CORE-DL-RC-25-B-935-WHT	12	96
4052899613171	4052899613225	CORE-DL-RC-25-B-940-WHT	12	96
4052899613188	4052899613232	CORE-DL-RC-25-B-930UW-WHT	12	96

4. CORE-DL-RC-40-B

EAN 10	EAN 40	Product Code	Qty per Package (pcs)	MOQ (pcs)
4052899613249	4052899613287	CORE-DL-RC-40-B-927-WHT	12	96
4052899613256	4052899613294	CORE-DL-RC-40-B-930-WHT	12	96
4052899613263	4052899613300	CORE-DL-RC-40-B-935-WHT	12	96
4052899613270	4052899613317	CORE-DL-RC-40-B-940-WHT	12	96