

Highly Integrated Downlight Module

Product Specification



Product Description

CORE-DL-RC is highly integrated module solution for indoor downlight application. The product is using INVENTRONICS CORE Mini G2 COB technology and provides wide range of flux output in compact form factor.

- Compatible with INVENTRONICS LED drivers
- Lifetime L70B50 >50khrs
- System warranty up to 5 years

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)

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
- Suitable for indoor applications

Table 1. Product Performance , Ta = 25°C

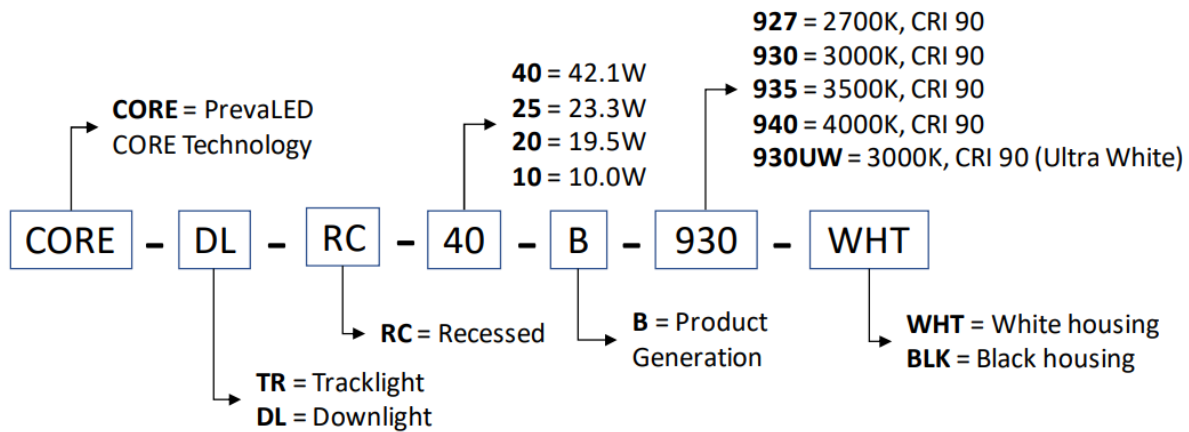
Product name	Nominal CCT (K)	Min CRI	Flux Output (lm)		Typical Efficacy (lm/W)	Test Current (mA)	Typical Power (W)	Beam Angle (FWH)
			Min	Typ				
CORE-DL-RC-10-B-927	2700	90	774	855	86	250	10.0	62
CORE-DL-RC-10-B-930	3000	90	814	900	90	250	10.0	62
CORE-DL-RC-10-B-940	4000	90	859	949	95	250	10.0	62
CORE-DL-RC-20-B-927	2700	90	1502	1660	85	500	19.5	63
CORE-DL-RC-20-B-930	3000	90	1572	1738	89	500	19.5	63
CORE-DL-RC-20-B-935	3500	90	1627	1799	92	500	19.5	63
CORE-DL-RC-20-B-940	4000	90	1662	1837	94	500	19.5	63
CORE-DL-RC-25-B-927	2700	90	1741	1925	83	600	23.3	65
CORE-DL-RC-25-B-930	3000	90	1823	2015	86	600	23.3	65

CORE-DL-RC-25-B-935	3500	90	1887	2086	90	600	23.3	65
CORE-DL-RC-25-B-940	4000	90	1927	2130	91	600	23.3	65
CORE-DL-RC-40-B-930	3000	90	3333	3683	87	1050	42.1	71
CORE-DL-RC-40-B-940	4000	90	3529	3900	93	1050	42.1	71

Note:

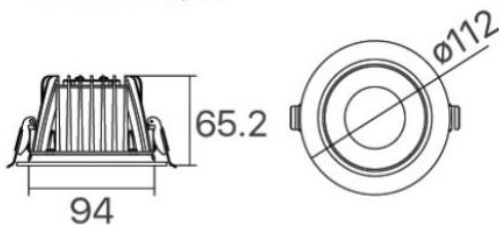
1. All parameters are derived at steady status when @ta=25 °C
2. Tolerance of measurements for the luminous flux, efficacy, power, CRI and CCT is ±5%,
3. These modules are only suitable for SELV driver. Working voltage for which the insulation is less than 60VDC.

Product Code Nomenclature

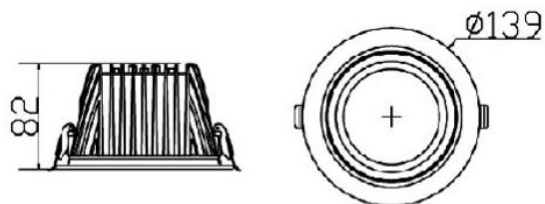


Mechanical Dimensions

CORE-DL-RC-20 / 10



CORE-DL-RC-25



CORE-DL-RC-40

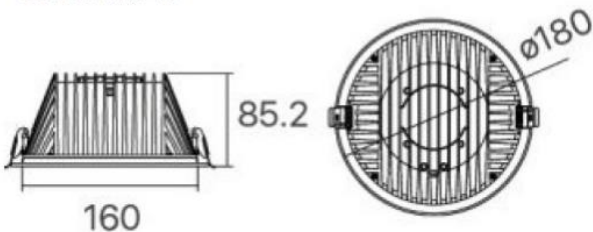


Table 2: Driver Matching

Product name	Driver model	Drive Current(mA)	System Flux (Refer to table 3)	Driver feature
CORE-DL-RC-10	OT FIT 15/220-240/350 NFC G2	250	100%	ON OFF
	IT FIT 20/220-240/500 CS	250	100%	ON OFF
	IT FIT 20/220-240/500 CS I	250	100%	ON OFF
	IT FIT 20/220-240/500 CS HE	250	100%	ON OFF
	IT FIT 20/220-240/500 CS I HE	250	100%	ON OFF
	IT FIT 15/220-240/350 CS	250	100%	ON OFF
	IT FIT 15/220-240/350 CS I	250	100%	ON OFF
	IT FIT 15/220-240/350 CS	250	100%	ON OFF
	ELEMENT 10/220-240/250	250	100%	ON OFF
	ELEMENT 10/220-240/250 LPF	250	100%	ON OFF
	IT DIM 12/220-240/300 CS I	250	100%	0-10V Dimming
	OT FIT 14/220 – 240/350 CS PC	250	100%	PC Dimming
	IT DALI 15/220-240/350 CS	250	100%	DALI Dimming
	OTi DALI 15/220-240/1A0 NFC	250	100%	DALI Dimming
CORE-DL-RC-20-B	OT FIT 25/220-240/700 NFC G2	500		
	IT FIT 20/220-240/500 CS	500	100%	ON OFF
	IT FIT 20/220-240/500 CS I	500	100%	ON OFF
	IT FIT 20/220-240/500 CS HE	500	100%	ON OFF
	IT FIT 20/220-240/500 CS I HE	500	100%	ON OFF
	IT FIT 20/220-240/500 CS	500	100%	ON OFF
	IT FIT 20/220-240/500 CS I	500	100%	ON OFF
	IT FIT 20/220-240/500 CS MINI	500	100%	ON OFF
	IT FIT 20/220-240/500 CS R	500	100%	ON OFF
	ELEMENT 20/220-240/500	500	100%	ON OFF
	EM 20/220-240/500 II	500	100%	ON OFF
	IT DIM 20/220-240/500 CS I	500	100%	0-10V Dimming
	OT FIT 18/220 – 240/450 CS PC	450	92%	PC Dimming
	IT DALI 20/220-240/500 CS	500	100%	DALI Dimming
	OTi DALI 25/220-240/700 NFC	500	100%	DALI Dimming
CORE-DL-RC-25-B	OT FIT 25/220-240/700 NFC G2	600	100%	ON OFF
	IT FIT 30/220-240/700 CS	600	100%	ON OFF
	IT FIT 30/220-240/700 CS	600	100%	ON OFF
	IT FIT 30/220-240/700 CS HE	600	100%	ON OFF
	IT FIT 30/220-240/700 CS HE I	600	100%	ON OFF
	IT FIT 30/220-240/700 CS MINI	600	100%	ON OFF
	IT FIT 30/220-240/700 CS R	600	100%	ON OFF
	ELEMENT 25/220-240/600	600	100%	ON OFF
	EM 25/220-240/600 II	600	100%	ON OFF
	IT DIM 40/220-240/1A0 CS I	600	100%	0-10V Dimming
	OT FIT 18/220 – 240/450 CS PC	450	78%	PC Dimming
	IT DALI 30/220-240/700 CS	600	100%	DALI Dimming
	OTi DALI 25/220-240/700 NFC	600	100%	DALI Dimming

CORE-DL-RC-40-B	OT FIT 40/220-240/1A0 NFC G2	1050	100%	ON OFF
	IT FIT 40/220-240/1A0 CS	1050	100%	ON OFF
	IT FIT 40/220-240/1A0 CS I	1050	100%	ON OFF
	IT FIT 40/220-240/1A0 CS HE	1050	100%	ON OFF
	IT FIT 40/220-240/1A0 CS I HE	1050	100%	ON OFF
	IT FIT 38/220-240/900 CS MINI	900	88%	ON OFF
	EM 42/220-240/1A0 II	1050	100%	ON OFF
	ELEMENT 42/220-240/1050	1050	100%	ON OFF
	IT DIM 40/220-240/1A0 CS I	1050	100%	0-10V Dimming
	OT FIT 40/220...240/1A0 CS PC	1050	100%	PC Dimming
	OTI DALI 50/220-240/1A4 NFC	1050	100%	DALI Dimming
	IT DALI 42/220-240/1A0 CS	1050	100%	DALI Dimming
	IT DALI 42/220-240/1A0 CS HE	1050	100%	DALI Dimming

Table 3: Ordering Codes

1. CORE-DL-RC-10-B

EAN10	Product Code	Qty per Package(pcs)	MOQ(pcs)
6937186109309	CORE-DL-RC-10-B-927-WHT	18	90
6937186109002	CORE-DL-RC-10-B-930-WHT	18	90
6937186109040	CORE-DL-RC-10-B-940-WHT	18	90

2. CORE-DL-RC-20-B

EAN10	Product Code	Qty per Package(pcs)	MOQ(pcs)
6937186109064	CORE-DL-RC-20-B-927-WHT	18	90
6937186109088	CORE-DL-RC-20-B-930-WHT	18	90
6937186109323	CORE-DL-RC-20-B-935-WHT	18	90
6937186109347	CORE-DL-RC-20-B-940-WHT	18	90

3. CORE-DL-RC-25-B

EAN10	Product Code	Qty per Package(pcs)	MOQ(pcs)
6937186109385	CORE-DL-RC-25-B-927-WHT	12	96
6937186109408	CORE-DL-RC-25-B-930-WHT	12	96
6937186109422	CORE-DL-RC-25-B-935-WHT	12	96
6937186109446	CORE-DL-RC-25-B-940-WHT	12	96

4. CORE-DL-RC-40-B

EAN10	Product Code	Qty per Package(pcs)	MOQ(pcs)
6937186109507	CORE-DL-RC-40-B-930-WHT	12	96
6937186109545	CORE-DL-RC-40-B-940-WHT	12	96

Others:

- The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person
- Luminaires not suitable for covering with thermally insulating material