



**METRIX INT
GMBH**

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METRIX International GmbH founded in 2019, is located in the heart of the Europe in Düsseldorf, Germany. Our quick and qualified services, competitive prices, and best quality distinguishes Metrix International GmbH from other manufacturers in the region and gives the clients an edge in their production process.

METRIX International is committed to a team approach within its managers, staff, associates, partners, and suppliers. When a customer works with us, it has the support of a Customer Focused Team, dedicated to understanding and meeting customers' needs. METRIX International commits to the Q.S.T.C. Principle that is, Quality, Service, Timeliness and Cost Effectiveness.

The success of METRIX International is attributed to its strong management, efficiency, flexibility, low cost and highly integrated manufacturing operations, its ability to satisfy customer's demands within strict time limits and quality requirements. Metrix International manufactures in the Germany, which utilizes high quality to provide globally competitive solutions to achieve its customers' request, thus, for Metrix International business begins with understanding the need of the customers.



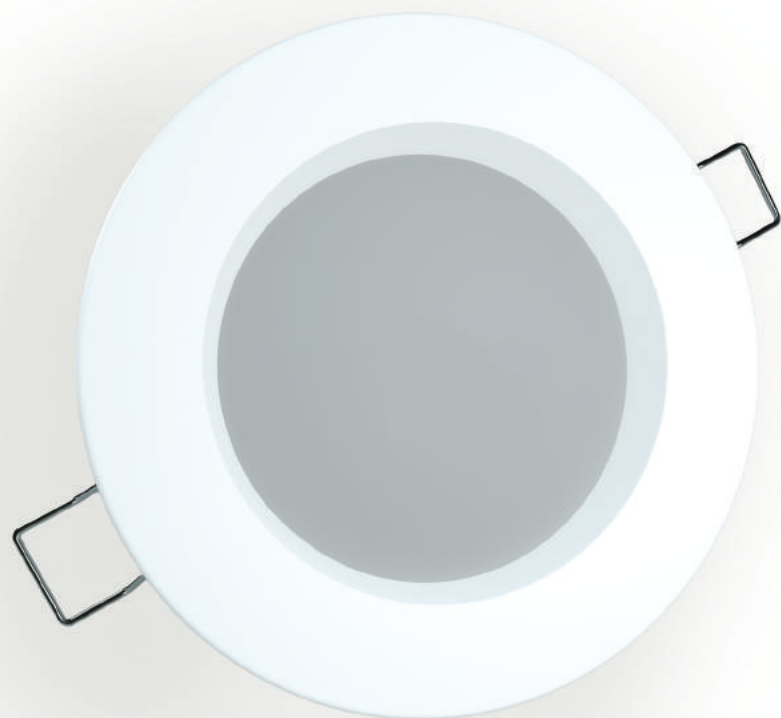
METRIX International prides itself on developing and maintaining long-term relationships with customers. This process starts by listening to customers and investing time and knowledge to understand their requirements and goals. Metrix International then utilizes its entire organization to develop a high quality and reliable solution that can be incorporated into the customer's end product. We focus on quality, time, and cost of services in every step of the way. From the moment a customer contacts Metrix till results are delivered to the customer's door, we mainly focus on providing the impeccable quality that its customers both expect and deserve. From a manufacturing perspective, Metrix International follows a strict Design-For-Manufacturability (DFM) principle to ensure that each product runs well within manufacturing capabilities. We always maintain and utilize extensive in process and final testing equipment to ensure high levels of quality. In addition, all associates are trained in defect detection and prevention methods.



LED Light DLR-60R-S

- ▶ Light source: LED
- ▶ Input voltage: 220VAC
- ▶ Input frequency: 60/50 Hz
- ▶ Ballast / Diver: Constant current
- ▶ Lifespan: 25000hrs
- ▶ Body material: Thermoplastic based on polyamide
- ▶ Diver / Ballast: Not adjustable
- ▶ Input wire cross section: 0.75 - 1.5mm
- ▶ Body color: white
- ▶ Parallelization: Yes
- ▶ Ambient temperature: -20~50°C





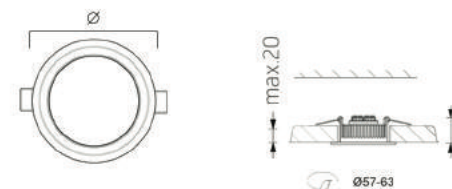
RECESSED DLR-60R-S



- Light Source Type: LED
- Ambient Temperature: -20~ 50 °C
- Mains Voltage: 220 VAC
- Mains Frequency: 50/ 60 Hz
- Ballast/ Driver: Constant Current Driver
- Lifetime: 25000 hrs
- Terminal Spec: 2-pole (Wire area: 0.75~1.5 mm²)
- Body material: Polyamide-based thermoplastic material
- Ballast/ Driver Spec: Non-Dimmable
- Body Color: White
- Body Color RAL : RAL9003
- Cable Looping: Yes
- Power Factor : > 0.7



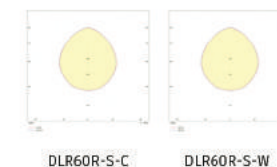
Dimension:



Specification:

Model	Power (W)	CRI	CCT (K)	Beam angle	Luminaire efficacy (Lm/W)	L (mm)	Ø (mm)	Luminous flux (Lm)
DLR60R-S-C	5	>80%	6000	120°	85	37	75	425
DLR60R-S-W	5	>80%	3000	120°	85	37	75	425

Photometric:



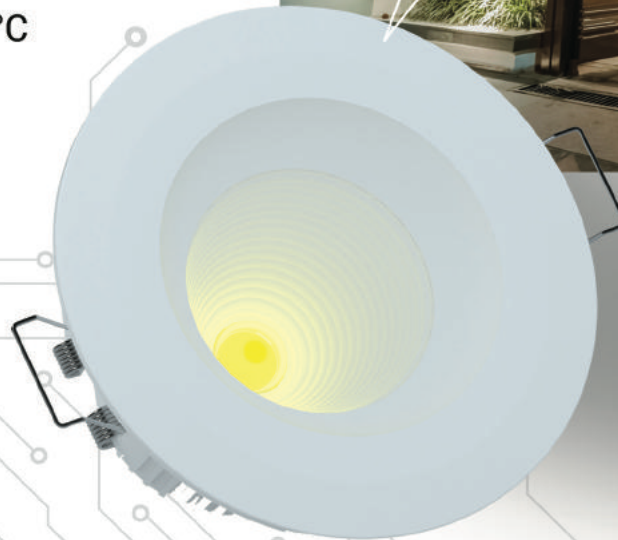
Installation:

- The roof should have a hole with a diameter of 57 mm to 63 mm
- Up to 15 products parallel arranging (Looping) is possible



LED Light DLR-80R-C

- ▶ Light source: LED
- ▶ Input voltage: 85-240 AC
- ▶ Input frequency: 60/50 Hz
- ▶ Insulation class: Class II
- ▶ Lifespan: 25000hrs
- ▶ Body material: Thermoplastic based on polyamide
- ▶ Diver / Ballast: Constant current
- ▶ Input wire cross section: 0.75 - 1.5mm
- ▶ Body color: white
- ▶ Parallelization: Yes
- ▶ Ambient temperature: -20~50°C





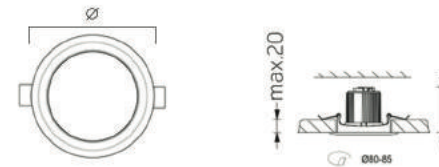
RECESSED DLR-80R-C



- Ballast/ Driver Spec: Non-Dimmable
- Mains Voltage: 85~ 240VAC
- Mains Frequency: 50/ 60 Hz
- Insulation Class: Class II
- Lifetime: 25000 hrs
- Ambient Temperature: -20 ~ 50°C
- Body material: Polyamide-based thermoplastic material
- Ballast/ Driver: Constant Current
- Light Source Type: LED
- Cable Looping: Yes
- Body Color RAL: RAL9003
- Body Color: White
- PF>0.9



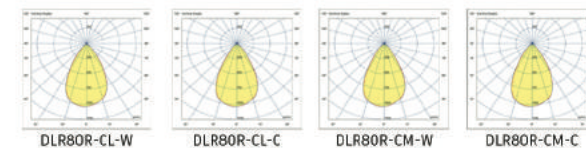
Dimension:



Specification:

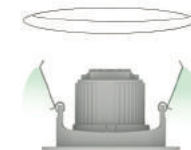
Model	Power (W)	CRI	CCT (K)	Beam angle	Luminaire efficacy (Lm/W)	L (mm)	Ø (mm)	Luminous flux (Lm)
DLR80R-CL-W	7	>80%	3000	60°	110	69	80	770
DLR80R-CL-C	7	>80%	6000	60°	110	69	80	770
DLR80R-CM-W	5	>80%	3000	60°	110	54	80	550
DLR80R-CM-C	5	>80%	6000	60°	110	54	80	550

Photometric:



Installation:

- The roof should have a hole with a diameter of 80 mm to 85 mm
- Up to 15 products parallel arranging (Looping) is possible



LED Light DLR-80R-S

- ▶ Light source: LED
- ▶ Input voltage: 85-220 AC
- ▶ Input frequency: 60/50 Hz
- ▶ Insulation class: Class II
- ▶ Lifespan: 25000hrs
- ▶ Body material: Thermoplastic based on polyamide
- ▶ Diver / Ballast: Not adjustable
- ▶ Input wire cross section: 0.75 - 1.5mm
- ▶ Body color: white
- ▶ Parallelization: Yes
- ▶ Ambient temperature: -20~50°C





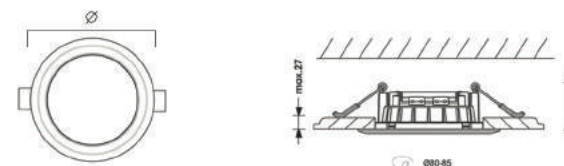
RECESSED DLR-80R-S



- Ballast/ Driver Spec: Non-Dimmable
- Mains Voltage: 85- 240VAC
- Mains Frequency: 50/ 60 Hz
- Insulation Class: Class II
- Lifetime: 25000 hrs
- Ambient Temperature: -20- 50 °C
- Body material: Polyamide-based thermoplastic material
- Ballast/ Driver: Constant Current
- Light Source Type: LED
- Cable Looping: Yes
- Body Color RAL: RAL9003
- Body Color: White
- PF>0.9



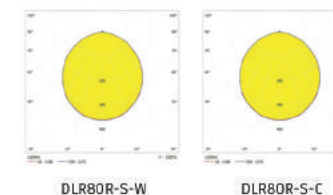
Dimension:



Specification:

Model	Power (W)	CRI	CCT (K)	Beam angle	Luminaire efficacy (Lm/W)	L (mm)	Ø (mm)	Luminous flux (Lm)
DLR80R-S-W	5	>80%	3000	120°	170	35	100	850
DLR80R-S-C	5	>80%	6000	120°	170	35	100	850

Photometric:

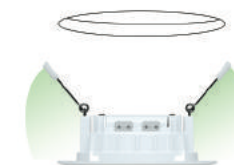


DLR80R-S-W

DLR80R-S-C

Installation:

- The roof should have a hole with a diameter of 80 mm to 85 mm
- Up to 15 products parallel arranging (Looping) is possible



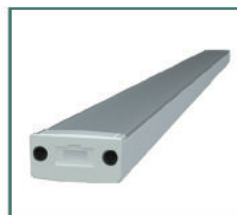
LED Light KLF-60

- ▶ Light source: LED
- ▶ Input voltage: 220 VAC
- ▶ Input frequency: 60/50 Hz
- ▶ Insulation class: Class II
- ▶ Lifespan: 25000hrs
- ▶ Body material: Thermoplastic based on polyamide
- ▶ Diver / Ballast: Not adjustable
- ▶ Body color: white
- ▶ Parallelization: Yes
- ▶ Ambient temperature: -20~50°C





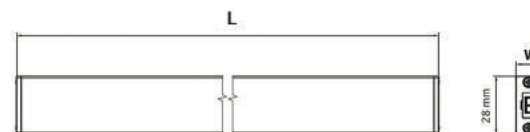
UNDER COUNTER KLF-60



- Light Source Type: LED
- Ambient Temperature: -20- 50
- Mains Voltage: 220 VAC
- Mains Frequency: 50/ 60 Hz
- Ballast/ Driver: Constant Current Driver
- Lifetime: 25000 hrs
- Power Factor : > 0.7
- Body material: Polyamide-based thermoplastic material
- Ballast/ Driver Spec: Non-Dimmable
- Body Color: White
- Body Color RAL : RAL9003
- Cable Looping: Yes



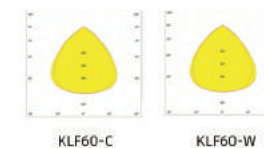
Dimension:



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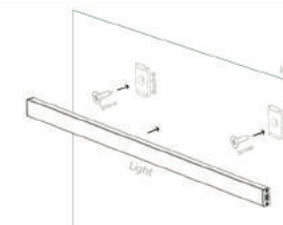
Model	Power (W)	CRI	CCT (K)	Beam angle	Luminaire efficacy (Lm/W)	L (mm)	W (mm)	Luminous flux (Lm)
KLF60-C	8	>80	6000	120°	85	600	12	680
KLF60-W	8	>80	3000	120°	85	600	12	680

Photometric:



Installation:

- Up to 10 products parallel arranging (Looping) is possible



LED Panel Light PL60X60S

- ▶ Light source: LED
- ▶ Input voltage: 185-240 AC
- ▶ Input frequency: 60/50 Hz
- ▶ Insulation class: Class II
- ▶ Lifespan: 25000hrs
- ▶ Body material: Thermoplastic
- ▶ Diver: External, Insolated, Not adjustable
- ▶ Body color: white
- ▶ Parallelization: Yes
- ▶ Ambient temperature: -20~40°C



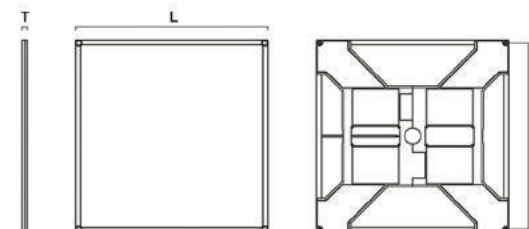


PANEL LIGHT PL60X60S

- Light Source Type: LED
- Ambient Temperature: -20~ 50 °C
- Mains Voltage: 180-240 VAC
- Mains Frequency: 50/ 60 Hz
- Ballast/ Driver: Constant Current Driver
- Lifetime: 25000 hrs
- Power Factor : > 0.95
- Body material: Polyamide-based thermoplastic material
- Ballast/ Driver Spec: Non-Dimmable
- Body Color: White
- Body Color RAL : RAL9003
- Cable Looping: No



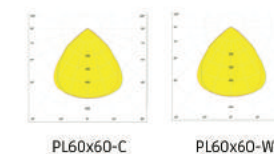
Dimension:



Specification:

Model	Power (W)	CRI	CCT (K)	Beam angle	Luminaire efficacy (Lm/W)	T (mm)	L (mm)	M (mm)	Luminous flux (Lm)
PL60x60-C	40	>80%	6000	120°	120	14	595	577	4800
PL60x60-W	40	>80%	3000	120°	120	14	595	577	4800

Photometric:



LED Light DLR-150R-S

- ▶ Light source: LED
- ▶ Input voltage: 85-240 AC
- ▶ Input frequency: 60/50 Hz
- ▶ Insulation class: Class II
- ▶ Lifespan: 25000hrs
- ▶ Body material: Thermoplastic
- ▶ Diver: Internal, Not adjustable
- ▶ Input wire cross section: 0.75 - 1.5mm
- ▶ Body color: white
- ▶ Parallelization: Yes
- ▶ Ambient temperature: -20~50°C





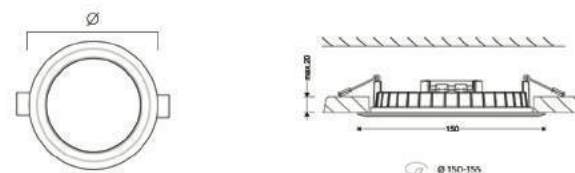
RECESSED DLR-150R-S



- Ballast/ Driver Spec: Non-Dimmable
- Mains Voltage: 85~ 240VAC
- Mains Frequency: 50/ 60 Hz
- Insulation Class: Class II
- Lifetime: 25000 hrs
- Ambient Temperature: -20~ 50 °C
- Body material: Polyamide-based thermoplastic material
- Ballast/ Driver: Constant Current
- Light Source Type: LED
- Cable Looping: Yes
- Body Color RAL: RAL9003
- Body Color: White
- PF>0.95

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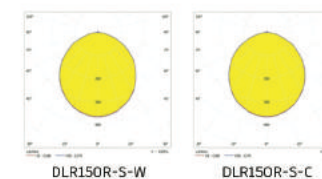
Dimension:



Specification:

Model	Power (W)	CRI	CCT (K)	Beam angle	Luminaire efficacy (Lm/W)	L (mm)	∅ (mm)	Luminous flux (Lm)
DLR150R-S-W	10	>80%	3000	120°	170	40	170	1700
DLR150R-S-C	10	>80%	6000	120°	170	40	170	1700

Photometric:



Installation:

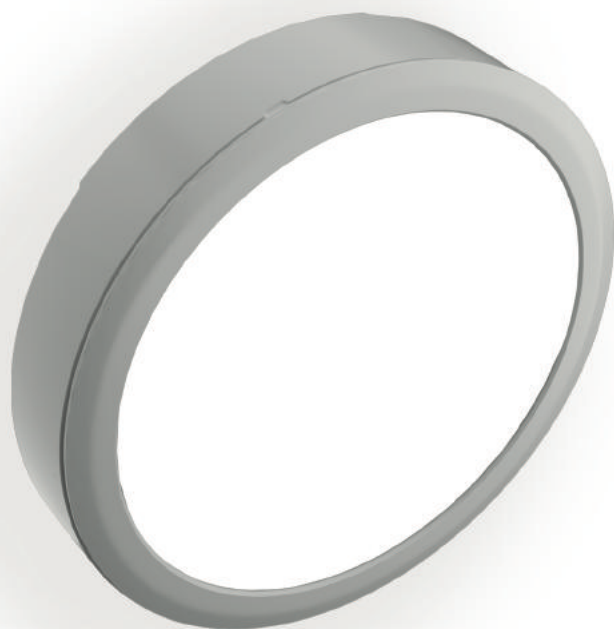
- The roof should have a hole with a diameter of 150 mm to 155mm
- Up to 15 products parallel arranging (Looping) is possible



LED Light DLR-170S-S

- ▶ Light source: LED
- ▶ Input voltage: 85-240 AC
- ▶ Input frequency: 60/50 Hz
- ▶ Insulation class: Class II
- ▶ Lifespan: 25000hrs
- ▶ Body material: Thermoplastic
- ▶ Diver: Internal, Not adjustable
- ▶ Input wire cross section: 0.75 - 1.5mm
- ▶ Body color: white
- ▶ Parallelization: Yes
- ▶ Ambient temperature: -20~50°C





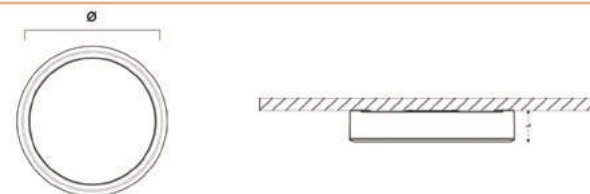
SURFACE MOUNTED DLR-170S-S



- Ballast/ Driver Spec: Non-Dimmable
- Mains Voltage: 85- 240VAC
- Mains Frequency: 50/ 60 Hz
- Insulation Class: Class II
- Lifetime: 25000 hrs
- Ambient Temperature: -20- 50 C
- Body material: Polyamide-based thermoplastic material
- Ballast/ Driver: Constant Current
- Light Source Type: LED
- Cable Looping: Yes
- Body Color RAL: RAL9003
- Body Color: White
- PF>0.95



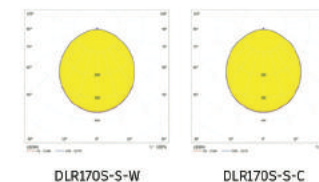
Dimension:



Specification:

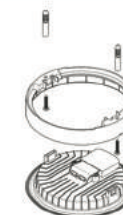
Model	Power (W)	CRI	CCT (K)	Beam angle	Luminaire efficacy (Lm/W)	L (mm)	ø (mm)	Luminous flux (Lm)
DLR170S-S-W	10	>80%	3000	120°	170	40	170	1700
DLR170S-S-C	10	>80%	6000	120°	170	40	170	1700

Photometric:



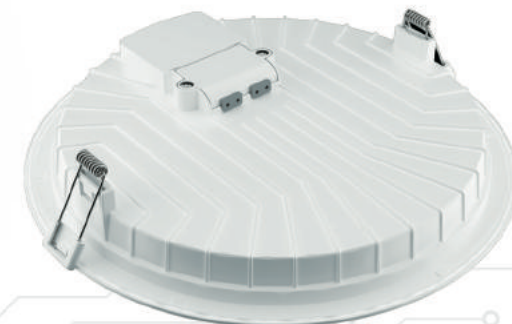
Installation:

- Surface mounting brackets should be attached to the ceiling with two screws. After connecting the main input wires, the luminaire can be mounted by pushing it into the installed brackets with a small force.
- Up to 15 products parallel arranging (Looping) is possible.



LED Light DLR-200R-S

- ▶ Light source: LED
- ▶ Input voltage: 85-240 VAC
- ▶ Input frequency: 60/50 Hz
- ▶ Insulation class: Class II
- ▶ Lifespan: 25000hrs
- ▶ Body material: Thermoplastic
- ▶ Diver: Internal, Not adjustable
- ▶ Input wire cross section: 0.75 - 1.5mm
- ▶ Body color: white
- ▶ Parallelization: Yes
- ▶ Ambient temperature: -20~50°C





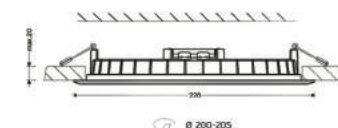
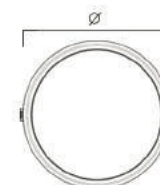
RECESSED DLR-200R-S



- Ballast/ Driver Spec: Non-Dimmable
- Mains Voltage: 85- 240VAC
- Mains Frequency: 50/ 60 Hz
- Insulation Class: Class II
- Lifetime: 25000 hrs
- Ambient Temperature: -20~ 50 C
- Body material: Polyamide-based thermoplastic material
- Ballast/ Driver: Constant Current
- Light Source Type: LED
- Cable Looping: Yes
- Body Color RAL: RAL9003
- Body Color: White
- PF>0.95



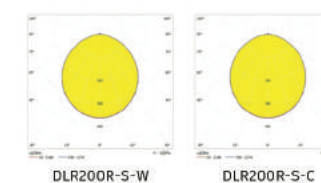
Dimension:



Specification:

Model	Power (W)	CRI	CCT (K)	Beam angle	Luminaire efficacy (Lm/W)	L (mm)	Ø (mm)	Luminous flux (Lm)
DLR200R-S-W	15	>80%	3000	120°	170	40	220	2550
DLR200R-S-C	15	>80%	6000	120°	170	40	220	2550

Photometric:



Installation:

- The roof should have a hole with a diameter of 200 mm to 205mm
- Up to 15 products parallel arranging (Looping) is possible



LED Light DLR-220S-S

- ▶ Light source: LED
- ▶ Input voltage: 85-240 VAC
- ▶ Input frequency: 60/50 Hz
- ▶ Insulation class: Class II
- ▶ Lifespan: 25000hrs
- ▶ Body material: Thermoplastic
- ▶ Diver: Internal, Not adjustable
- ▶ Input wire cross section: 0.75 - 1.5mm
- ▶ Body color: white
- ▶ Parallelization: Yes
- ▶ Ambient temperature: -20~50°C





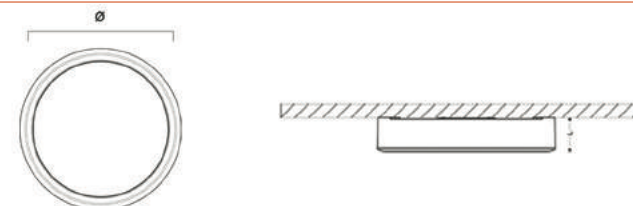
SURFACE MOUNTED DLR-220S-S



- Ballast/ Driver Spec: Non-Dimmable
- Mains Voltage: 85~ 240VAC
- Mains Frequency: 50/ 60 Hz
- Insulation Class: Class II
- Lifetime: 25000 hrs
- Ambient Temperature: -20~ 50 C
- Body material: Polyamide-based thermoplastic material
- Ballast/ Driver: Constant Current
- Light Source Type: LED
- Cable Looping: Yes
- Body Color RAL: RAL9003
- Body Color: White
- PF>0.95



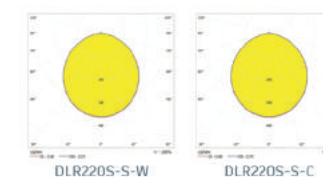
Dimension:



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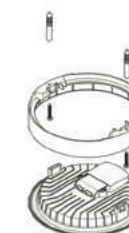
Model	Power (W)	CRI	CCT (K)	Beam angle	Luminaire efficacy (Lm/W)	L (mm)	ø (mm)	Luminous flux (Lm)
DLR170S-S-W	15	>80%	3000	120°	170	40	220	2550
DLR170S-S-C	15	>80%	6000	120°	170	40	220	2550

Photometric:



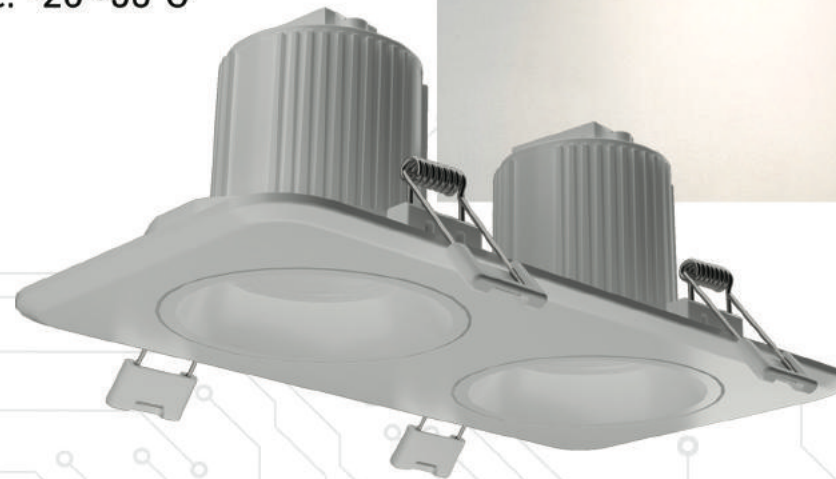
Installation:

- Surface mounting brackets should be attached to the ceiling with two screws. After connecting the main input wires, the luminaire can be mounted by pushing it into the installed brackets with a small force.
- Up to 15 products parallel arranging (Looping) is possible



LED Light DLR-80R-C(2X)

- ▶ Light source: LED
- ▶ Input voltage: 85-240 VAC
- ▶ Input frequency: 60/50 Hz
- ▶ Insulation class: Class II
- ▶ Lifespan: 25000hrs
- ▶ Body material: Thermoplastic
- ▶ Diver: Internal, Not adjustable
- ▶ Input wire cross section: 0.75 - 1.5mm
- ▶ Body color: white
- ▶ Parallelization: Yes
- ▶ Ambient temperature: -20~50°C

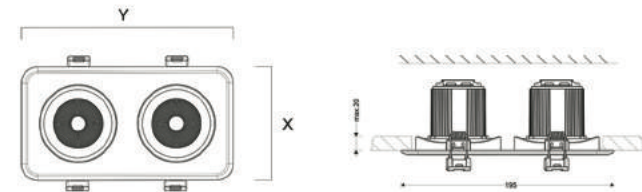




- Ballast/ Driver Spec: Non-Dimmable
- Mains Voltage: 85- 240VAC
- Mains Frequency: 50/ 60 Hz
- Insulation Class: Class II
- Lifetime: 25000 hrs
- Ambient Temperature: -20 - 50 °C
- Body material: Polyamide-based thermoplastic material
- Ballast/ Driver: Constant Current
- Light Source Type: LED
- Cable Looping: Yes
- Body Color RAL: RAL9003
- Body Color: White



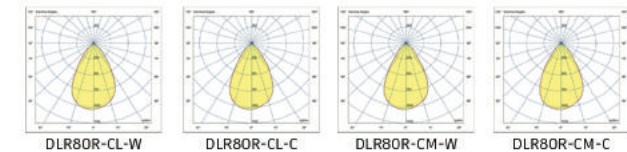
Dimension:



Specification:

Model	Power (W)	CRI	CCT (K)	Beam angle	Luminaire efficacy (Lm/W)	L (mm)	X (mm)	Y (mm)	Luminous flux (Lm)
DLR80R-CL-W	7	>80%	3000	60°	110	69	105	195	770
DLR80R-CL-C	7	>80%	6000	60°	110	69	105	195	770
DLR80R-CM-W	5	>80%	3000	60°	110	54	105	195	550
DLR80R-CM-C	5	>80%	6000	60°	110	54	105	195	550

Photometric:



Installation:

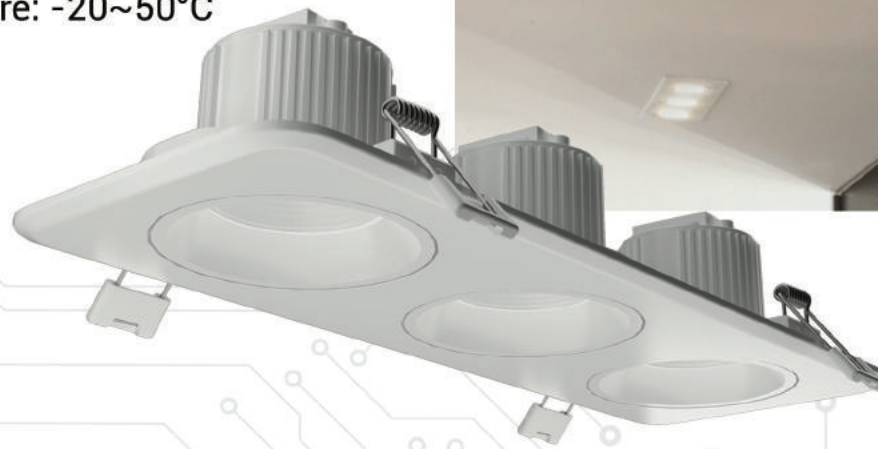
- The roof should have a rectangular hole Which has 170mm to 175mm length and 87mm to 93mm width
- Up to 15 products parallel arranging (Looping) is possible



RECESSED DLR-80R-C(2X)

LED Light DLR-80R-C(3X)

- ▶ Light source: LED
- ▶ Input voltage: 85-240 VAC
- ▶ Input frequency: 60/50 Hz
- ▶ Insulation class: Class II
- ▶ Lifespan: 25000hrs
- ▶ Body material: Thermoplastic
- ▶ Diver: Internal, Not adjustable
- ▶ Input wire cross section: 0.75 - 1.5mm
- ▶ Body color: white
- ▶ Parallelization: Yes
- ▶ Ambient temperature: -20~50°C

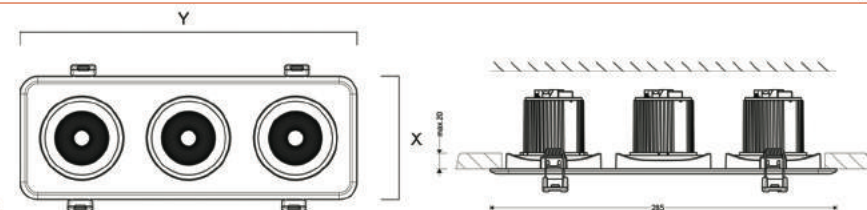




- Ballast/ Driver Spec: Non-Dimmable
- Mains Voltage: 85~ 240VAC
- Mains Frequency: 50/ 60 Hz
- Insulation Class: Class II
- Lifetime: 25000 hrs
- Ambient Temperature: -20 ~ 50 °C
- Body material: Polyamide-based thermoplastic material
- Ballast/ Driver: Constant Current
- Light Source Type: LED
- Cable Looping: Yes
- Body Color RAL: RAL9003
- Body Color: White



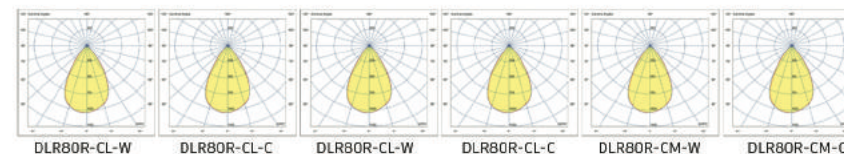
Dimension:



Specification:

Model	Power (W)	CRI	CCT (K)	Beam angle	Luminaire efficacy (Lm/W)	L (mm)	X (mm)	Y (mm)	Luminous flux (Lm)
DLR80R-CL-W	7	>80%	3000	60°	110	69	105	285	770
DLR80R-CL-C	7	>80%	6000	60°	110	69	105	285	770
DLR80R-CM-W	5	>80%	3000	60°	110	54	105	285	550
DLR80R-CM-C	5	>80%	6000	60°	110	54	105	285	550

Photometric:



Installation:

- The roof should have a rectangular hole Which has 270mm to 275mm length and 87mm to 93mm width
- Up to 15 products parallel arranging (Looping) is possible



RECESSED DLR-80R-C(3X)

LED Candle Light CL-LT

- ▶ Light source: LED
- ▶ Input voltage: 85-240 VAC
- ▶ Input frequency: 60/50 Hz
- ▶ Insulation class: Class II
- ▶ Lifespan: 25000hrs
- ▶ Body material: Thermoplastic
- ▶ Diver: Internal, Not adjustable
- ▶ Body color: white
- ▶ Base: E14
- ▶ Ambient temperature: -20~50°C





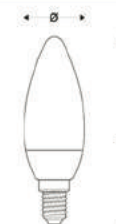
CANDLE BULB LIGHT CL-LT



- Light Source Type: LED
- Ambient Temperature: -20~ 40 °C
- Mains Voltage: 220 VAC
- Mains Frequency: 50/ 60 Hz
- Ballast/ Driver: Constant Current Driver
- Lifetime: 25000 hrs
- Cap: E14
- Body material: Polyamide-based thermoplastic material
- Ballast/ Driver Spec: Non-Dimmable
- Body Color: White
- Body Color RAL : RAL9003
- PF>0.9



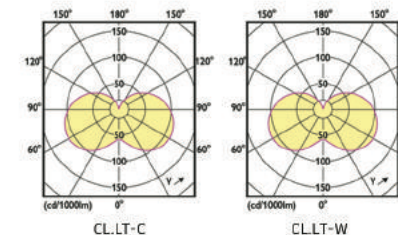
Dimension:



Specification:

Model	Power (W)	CRI	CCT	Beam angle	Luminaire efficacy (Lm/W)	L (mm)	Ø (mm)	Luminous flux (Lm)
CLLT-C	3	>80%	6000	180°	190	105	34	570
CLLT-W	3	>80%	3000	180°	190	105	34	570

Photometric:



LED Bulb Light BL-LT

- ▶ Light source: LED
- ▶ Input voltage: 85-240 VAC
- ▶ Input frequency: 60/50 Hz
- ▶ Insulation class: Class II
- ▶ Lifespan: 25000hrs
- ▶ Body material: Thermoplastic
- ▶ Diver: Internal, Not adjustable
- ▶ Body color: white
- ▶ Base: E27
- ▶ Ambient temperature: -20~50°C





BULB LIGHT BL-LT



- Light Source Type: LED
- Ambient Temperature: -20~ 40 °C
- Mains Voltage: 220 VAC
- Mains Frequency: 50/ 60 Hz
- Ballast/ Driver: Constant Current Driver
- Lifetime: 25000 hrs
- Cap: E27
- Body material: Polyamide-based thermoplastic material
- Ballast/ Driver Spec: Non-Dimmable
- Body Color: White
- Body Color RAL : RAL9003
- PF>0.9



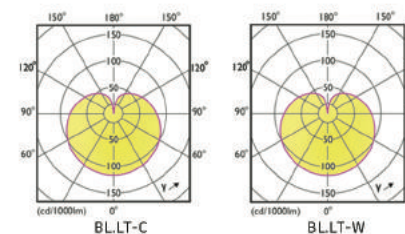
Dimension:



Specification:

Model	Power (W)	CRI	CCT	Beam angle	Luminaire efficacy (Lm/W)	L (mm)	∅ (mm)	Luminous flux (Lm)
BLLT-C	7	>80%	6000	180°	160	108	60	1120
BLLT-W	7	>80%	3000	180°	160	108	60	1120

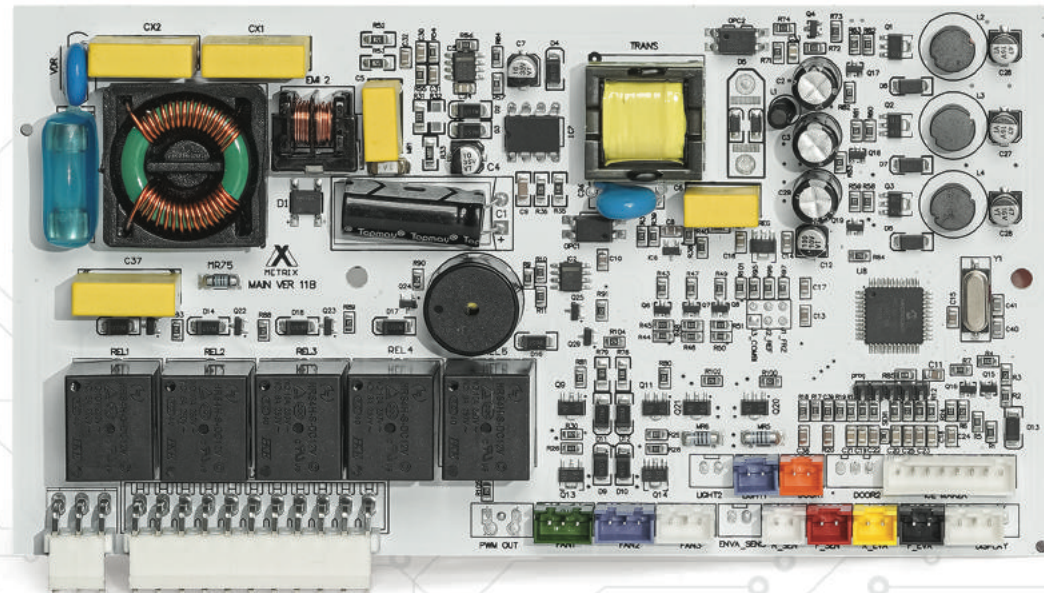
Photometric:





Electronic Boards of Refrigerators, Freezers and Combi

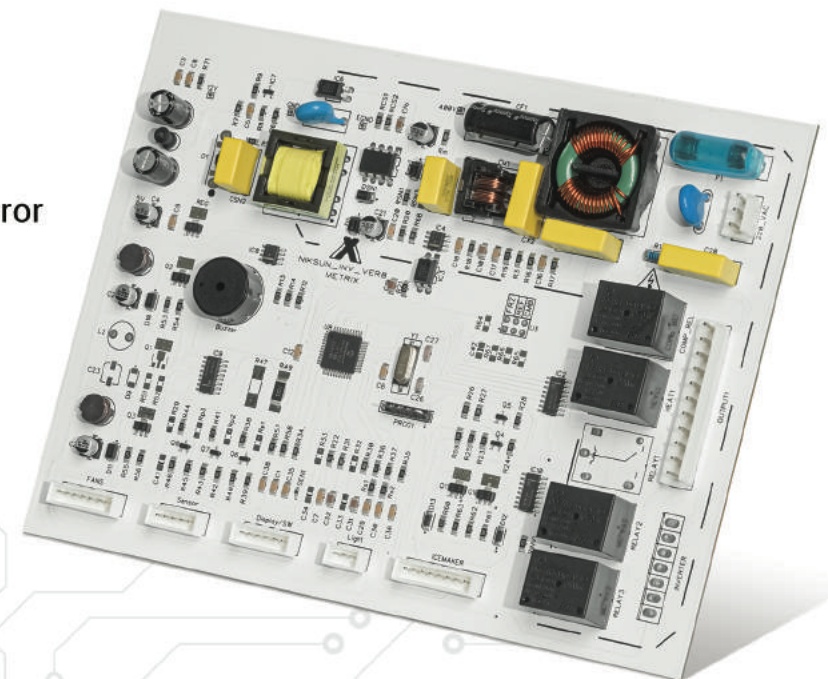
In new refrigerators, the intelligent electronic board has replaced the defrost timer, and this replacement helps to consume less energy and perform intelligently in different conditions. In new refrigerators, the sensors are responsible for reporting the temperature to the electronic board, and the central processor issues control commands according to the information received and the intelligent algorithm in line with the best performance of the product in different conditions. The intelligent electronic board of the refrigerator is the so-called (brain) of the device that controls the main components such as the compressor, fans and other parts of the refrigerator, the power board can be considered as the main board, whose task is to control all the components of the product. In general, anything that affects a refrigerator can be controlled by this board. The electronic boards designed and produced by Metrix International GmbH support all common services in today's refrigerator technology.



Electronic Boards of Refrigerators, Freezers and Combi

The unique features of Metrix International smart boards:

- Intelligent remote control and disconnection and connection of three BLDC fans and intelligent recognition of performance and protection against short circuit and display of errors caused by non-performance and inappropriate performance
- Intelligent control of compressor performance and displaying errors caused by malfunction and inappropriate performance
- Controlling the performance of the defrost element and intelligent defrosting by the defrost sensor and thermodisc and displaying errors due to malfunction and improper operation.
- Door performance control and warning scenarios, optimal control and optimal performance in unwanted and abnormal situations
- Control the performance of lights and control the light intensity of LED lamps in different positions (inside the cabin, under the door, water cooler, etc.)
- Controlling the performance of sensors and detecting unwanted errors and optimal performance in specific conditions and displaying the corresponding error
- Intelligent control of the automatic ice maker function
- Water cooler performance control



Display of Refrigerators, Freezers and Combi

In new refrigerators, the intelligent electronic board has replaced the defrost timer, and this replacement helps to consume less energy and perform intelligently in different conditions. In new refrigerators, the sensors are responsible for reporting the temperature to the electronic board, and the central processor issues control commands according to the information received and the intelligent algorithm in line with the best performance of the product in different conditions. The intelligent electronic board of the refrigerator is the so-called (brain) of the device that controls the main components such as the compressor, fans and other parts of the refrigerator, the power board can be considered as the main board, whose task is to control all the components of the product. In general, anything that affects a refrigerator can be controlled by this board. The electronic boards designed and produced by Metrix International GmbH support all common services in today's refrigerator technology.



Display of Refrigerators, Freezers and Combi

Product features:

- Display type: LED, 7-Segment
- Display color: white, silver and black
- Color and material of the holding frame: gray, white (ABS plastic)
- Number of keys: at the customer's request
- Key type: touch
- Number of data wires (connecting the control board to the display board): at the customer's request (3 or 4 wires)







Fan Motor - 11

- ▶ Speed RPM: 1550
- ▶ BLDC Motor
- ▶ Power Consumption: 3.5 W
- ▶ Maximum Current: 1 A
- ▶ Rotation Direction: CCW, CW
- ▶ Automatic restart system
- ▶ Circuit thermal protection
- ▶ Soft start without vibration
- ▶ Low power consumption
- ▶ Low noise
- ▶ Input voltage: 12 V
- ▶ Ability to control speed by changing voltage
- ▶ Rotation speed output signal
- ▶ Place of use: refrigerator, freezer and combi condenser to cool the compressor



Fan Motor - 12

- ▶ Speed RPM: 2520
- ▶ BLDC Motor
- ▶ Power Consumption: 2.5 W
- ▶ Maximum Current: 1 A
- ▶ Rotation Direction: CCW, CW
- ▶ Automatic restart system
- ▶ Circuit thermal protection
- ▶ Soft start without vibration
- ▶ Low power consumption
- ▶ Low noise
- ▶ Input voltage: 12 V
- ▶ Ability to control speed by changing voltage
- ▶ Rotation speed output signal
- ▶ Place of use: refrigerator, freezer and combi condenser to cool the compressor



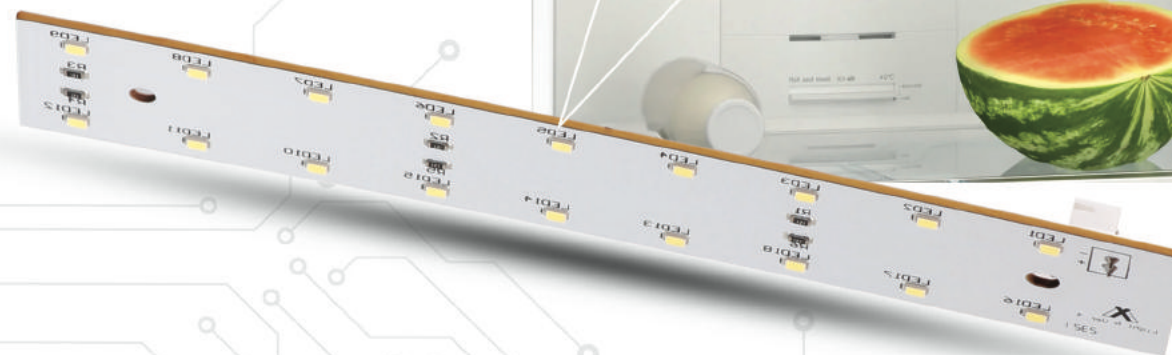
Fan Motor - 36

- ▶ Speed RPM: 2880
- ▶ BLDC Motor
- ▶ Power Consumption: 2.8 W
- ▶ Maximum Current: 1 A
- ▶ Rotation Direction: CCW, CW
- ▶ Automatic restart system
- ▶ Circuit thermal protection
- ▶ Soft start without vibration
- ▶ Low power consumption
- ▶ Low noise
- ▶ Input voltage: 12 V
- ▶ Ability to control speed by changing voltage
- ▶ Rotation speed output signal
- ▶ Place of use: refrigerator, freezer and combi condenser to cool the compressor



LED Light for Refrigerator

- ▶ Design and production in different dimensions
- ▶ Lifespan: 30,000 hours
- ▶ input voltage: 5-12V
- ▶ Design and production in different powers
- ▶ Efficiency: 160 Lm/W



LED Light for Refrigerator

- ▶ Design and production in different dimensions
- ▶ Lifespan: 30,000 hours
- ▶ input voltage: 9-12V
- ▶ Design and production in different powers
- ▶ Efficiency: 60Lm/W







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