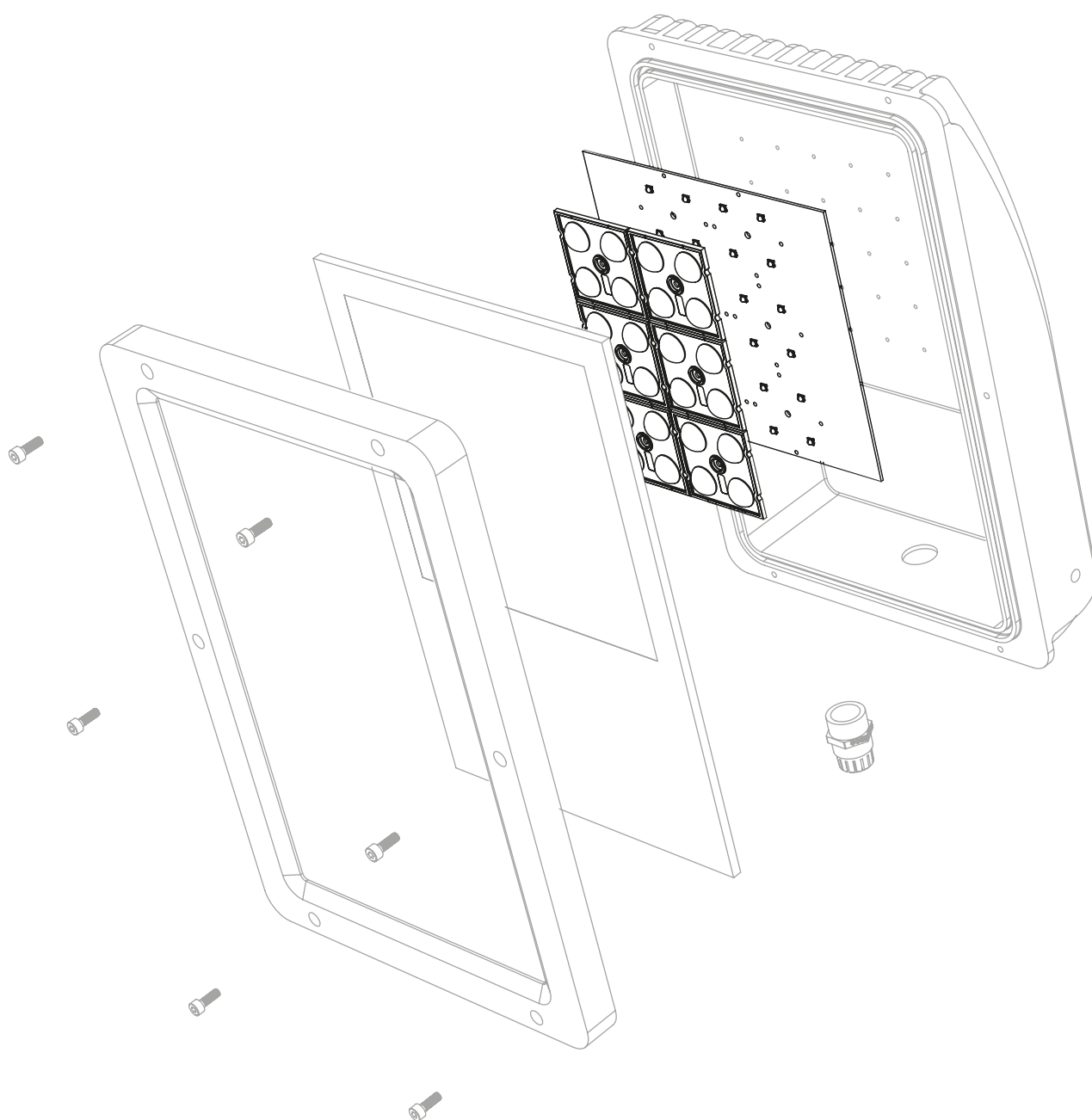


# LightMAX

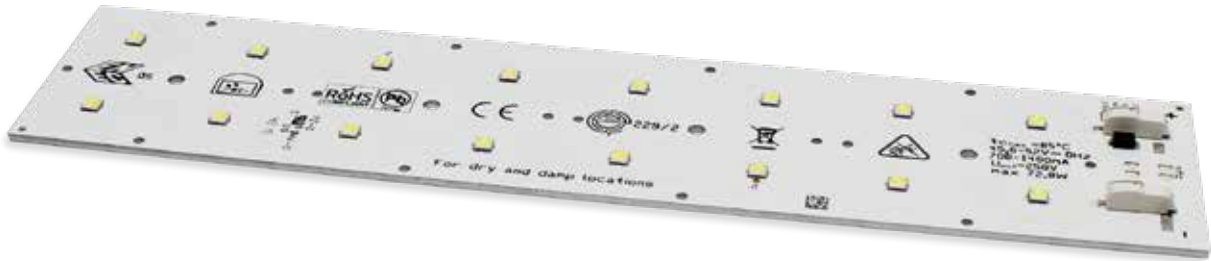
High power lighting solutions



# LightMAX

2x8 power LED module| R0229

DATASHEET



## Features

- PCB dimension: 220x50mm;
- Up to 6827 lm;
- Up to 150 lm/W;
- CRI 70;
- Max Electrical Insulation 250V;
- Max 5 LED boards in series;
- Connection type: 2060 series 1 pole;
- Lifetime >72000h @ 1050mA 55°C;
- NTC available on request;
- Available with Osram Oslon Square LEDs (code: R0444).

## Applications



Street



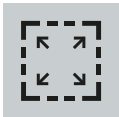
Industrial



Downlight



High Bay



Area

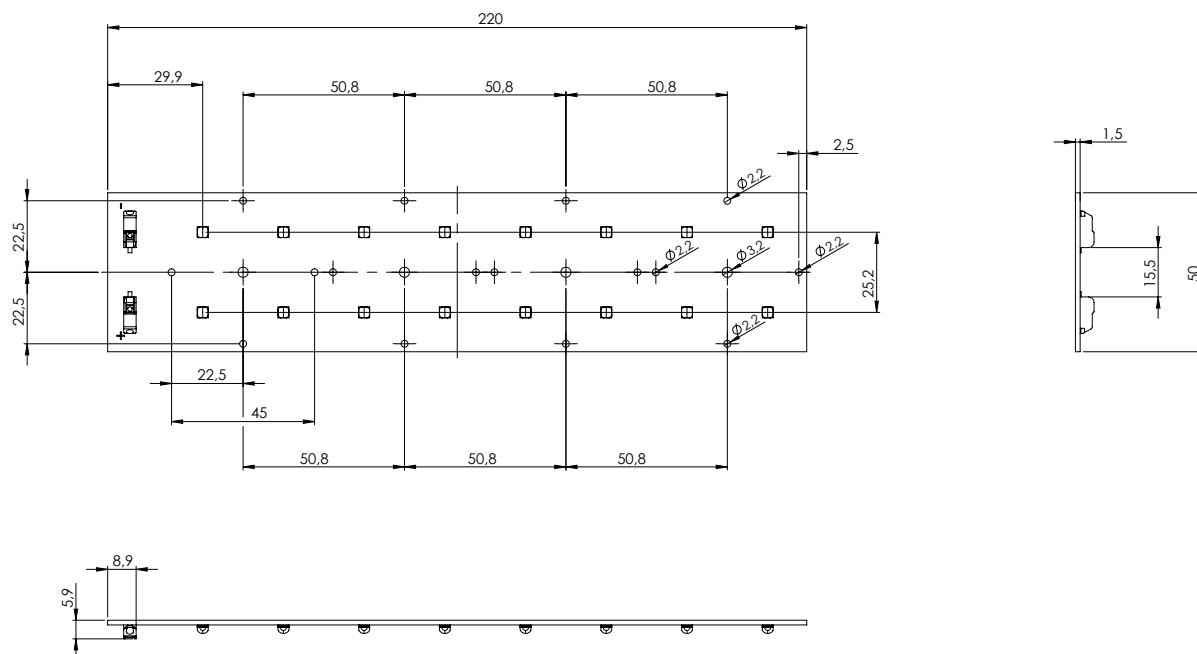
Code	CCT	CRI	Current [mA]	Voltage [V]	Power [W]	Total Lumen [lm]	lm/W	Energy Efficiency
R0229012770	2700K	70	700	46,1	32,2	4758	147	
			1050	47,3	49,6	6706	135	
R0229013070	3000K		700	46,1	32,2	4843	150	
			1050	47,3	49,6	6826	138	
R0229014070	4000K		700	46,8	32,7	4848	148	
			1050	47,8	50,2	6827	136	
R0229015070	5000K		700	46,8	32,7	4848	148	
			1050	47,8	50,2	6827	136	



# LightMAX

2x8 power LED module| R0229

## Mechanical drawing



## Accessories



### Lenses

Part number	Beam angle
LL04CR-BXJ80I50L02 (Type II-Short)	80° x 150°
LL04CR-BXJ45I55L02 (Type III-Short)	45° x 145°
LL04CR-BXJ60L02 (Type V-Short)	60°
LL04CR-BXJ90L02 (Type V-Short)	90°
LL04CR-CEC09L06	9°
LL04CR-CEC25L06	25°
LL04CR-CEC50L06	50°
LL04CR-CFN35I55L02 (Type II-Medium)	35° x 155°
LL04CR-CFN60I55L02 (Type III-Medium)	60° x 155°
LL04CR-CGM85I35L02 (Type I-Short)	85° x 135°
LL04CR-CXE165L19 (Type V-Medium)	165°

### Thermal Interface

Part number	Dimension (mm)	Thickness (mm)	Th.conductivity (W/mK)	Th.impedance (K-inch <sup>2</sup> /W)	Breakdown voltage (Vac)	Flame rating (UL94)
IRE-PAD-220X50	220x50	0,23	1,5	0,45	>6000	V0

# LightMAX

16 power LED module | R0484



## Features

- PCB dimension: 220x50mm;
- Up to 11108 lm;
- Up to 188 lm/W, up to 205 lm/W @ 350mA;
- CRI 70;
- Max Electrical Insulation 250V;
- Max 4 LED boards in series;
- Connection type: Wago 2060 series 1 pole;
- Lifetime > 100.000h @ 700mA<1050mA L90B10;
- NTC available on request (10k standard).

## Applications



Street



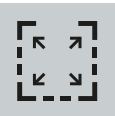
Industrial



Downlight



High Bay



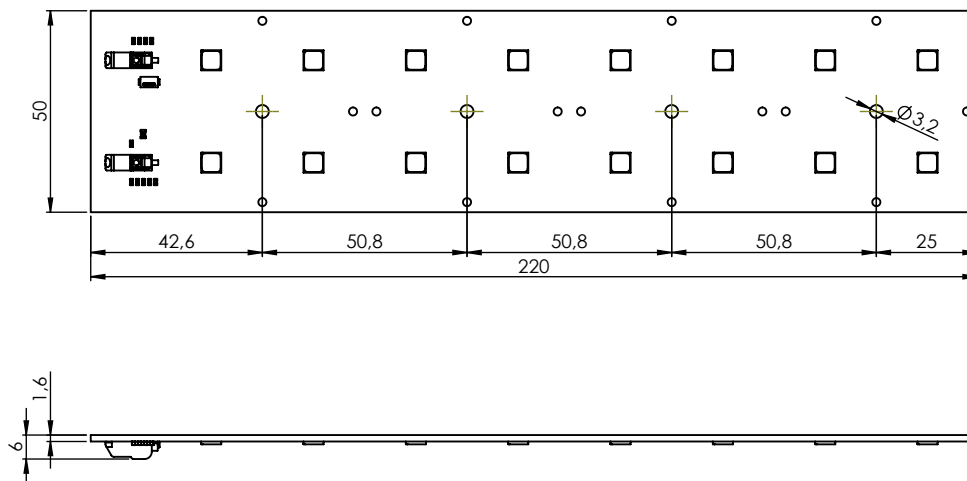
Area

Code	CCT	CRI	Current [mA]	Voltage [V]	Power [W]	Total Lumen [lm]	lm/W	Energy Efficiency
R0484012770	2700K	70	700	45	31.5	5534	176	<div><div>C</div><div>A↑G</div></div>
			1000	46.1	46.1	7686	167	<div><div>D</div><div>A↑G</div></div>
			1400	47.5	66.5	10367	156	<div><div>D</div><div>A↑G</div></div>
R0484013070	3000K		700	45	31.5	5750	183	<div><div>C</div><div>A↑G</div></div>
			1000	46.1	46.1	7986	173	<div><div>D</div><div>A↑G</div></div>
			1400	47.5	66.5	10771	162	<div><div>D</div><div>A↑G</div></div>
R0484014070	4000K		700	45	31.5	5930	188	<div><div>C</div><div>A↑G</div></div>
			1000	46.1	46.1	8235	179	<div><div>C</div><div>A↑G</div></div>
			1400	47.5	66.5	11108	167	<div><div>D</div><div>A↑G</div></div>
R0484015070	5000K		700	45	31.5	5930	188	<div><div>C</div><div>A↑G</div></div>
			1000	46.1	46.1	8235	179	<div><div>C</div><div>A↑G</div></div>
			1400	47.5	66.5	11108	167	<div><div>D</div><div>A↑G</div></div>

# LightMAX

16 power LED module | R0484

## Mechanical drawing



## Accessories



## Lenses

Part number	Beam angle
LL04CR-AU45135L46 (Type II-Short)	45° x 135°
LL04CR-BXJ80150L02 (Type II-Short)	80° x 150°
LL04CR-BXJ45155L02 (Type III-Short)	45° x 155°
LL04CR-BXJ95165L19 (Type II-Medium)	95° x 165°
LL04CR-BXJ65165L52 (Type IV-Medium)	65° x 165°
LL04CR-BXJ60L02 (Type V-Short)	60°
LL04CR-BXJ90L02 (Type V-Short)	90°
LL04CR-CXR25L52	25°
LL04CR-CXR40L52	40°
LL04CR-CXR60L52	60°
LL04CR-CXR165L52	165°
LL04LU-CXR2060L06	20° x 60°
LL04CR-DBJ2090L19	20° x 90°

## Thermal Interface

Part number	Dimension (mm)	Thickness (mm)	Th.conductivity (W/mK)	Th.impedance (K-inch <sup>2</sup> /W)	Breakdown voltage (Vac)	Flame rating (UL94)
IRE-PAD-220X50	220x50	0,23	1,5	0,45	>6000	V0

# LightMAX

48 LED module for flood lighting | R0994

DATASHEET

NEW



Features

- PCB dimension: 170x50mm;
- Up to 8475 lm;
- Up to 185 lm/W;
- CRI 80;
- Electrical Insulation 300V;
- Up to 12 LED boards in series;
- Connection type: Wago SMD 4mm 2 IP 2060;
- Long lifetime up to 80000h;
- NTC available on request;
- 3V LEDs version available on request.

Applications



Street



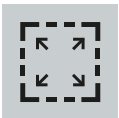
Industrial



Downlight



High Bay



Area

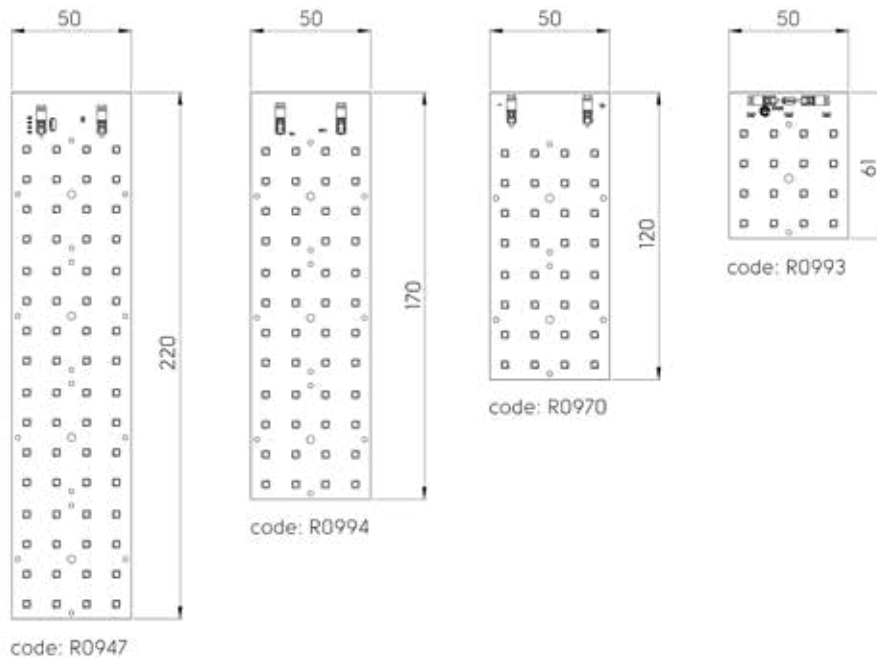
Code	CCT	CRI	Current [mA]	Voltage [V]	Power [W]	Total Lumen [lm]	lm/W	Energy Efficiency
R0994013080	3000K	80	700	33,3	23,3	4000	172	
			1050	34,2	35,9	6009	167	
			1400	34,9	48,8	8025	164	
R0994014080	4000K		700	33,3	23,3	4279	184	
			1050	34,2	35,9	6360	177	
			1400	34,9	48,8	8475	174	
R0994015080	5000K		700	33,3	23,3	4279	184	
			1050	34,2	35,9	6360	177	
			1400	34,9	48,8	8475	174	



# LightMAX

48 LED module for flood lighting | R0994

## Flood lighting series - Drawings



## Accessories



### Lenses

Part number	Beam angle
LL16ZZ-DVV25L19	25°
LL16ZZ-DVV55L19	55°
LL16ZZ-DVV90L19	90°
LL16ZZ-DVV150L19	150°
LL16ZZ-DVV2060L19	20° x 60°
LL16ZZ-DVV25145L19	25° x 145°
LL16ZZ-DVV45140L19	45° x 140°
LL16ZZ-DVV45155L19	45° x 155°
LL16ZZ-DVV60145L19	60° x 145°
LL16ZZ-DVV60155L19	60° x 155°
LL16ZZ-DVV70160L19	70° x 160°
LL16ZZ-DVV140140L06	140° x 140°

### Thermal Interface

Part number	Dimension (mm)	Thickness (mm)	Th.conductivity (W/mK)	Th.impedance (K-inch <sup>2</sup> /W)	Breakdown voltage (Vac)	Flame rating (UL94)
IRE-PAD-170X50	170x50	0,23	1,5	0,45	>6000	V0

# LightMAX

2x6 power LED module | R0498

DATASHEET



## Features

- PCB dimension: 170x50mm;
- Up to 8331 lm;
- Up to 188 lm/W, up to 205 lm/W @ 350mA;
- CRI 70;
- Max Electrical Insulation 250V;
- Max 6 LED boards in series;
- Connection type: Wago 2059/2060 series 1 pole;
- Lifetime > 100.000h @ 700mA<math>\leq</math>1050mA L90B10;
- NTC available on request (10k standard).

## Applications



Street



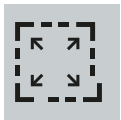
Industrial



Downlight



High Bay



Area

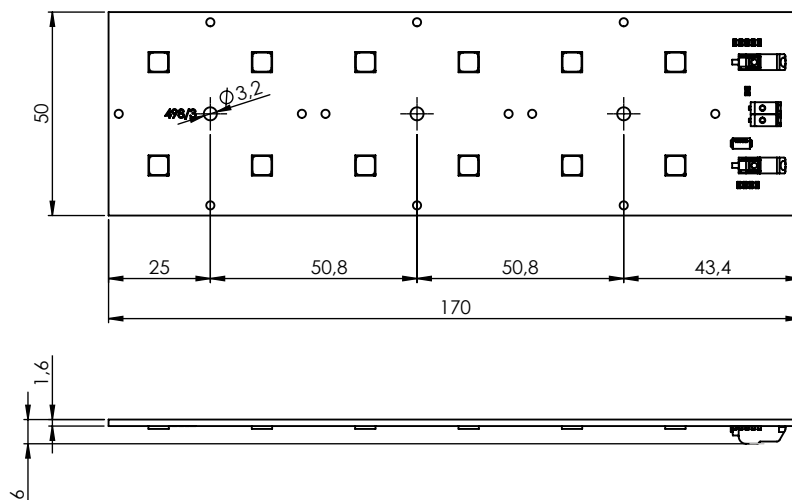
Code	CCT	CRI	Current [mA]	Voltage [V]	Power [W]	Total Lumen [lm]	lm/W	Energy Efficiency
R0498012770	2700K	70	700	33.7	23.6	4151	176	<div><div>C</div><div>A↑G</div></div>
			1000	34.6	34.6	5765	167	<div><div>D</div><div>A↑G</div></div>
			1400	35.6	49.8	7775	156	<div><div>D</div><div>A↑G</div></div>
R0498013070	3000K		700	33.7	23.6	4313	183	<div><div>C</div><div>A↑G</div></div>
			1000	34.6	34.6	5989	173	<div><div>D</div><div>A↑G</div></div>
			1400	35.6	49.8	8078	162	<div><div>D</div><div>A↑G</div></div>
R0498014070	4000K		700	33.6	23.6	4447	188	<div><div>C</div><div>A↑G</div></div>
			1000	34.6	34.6	6176	178	<div><div>D</div><div>A↑G</div></div>
			1400	35.6	49.8	8331	167	<div><div>D</div><div>A↑G</div></div>
R0498015070	5000K		700	33.7	23.6	4447	188	<div><div>C</div><div>A↑G</div></div>
			1000	34.6	34.6	6176	178	<div><div>D</div><div>A↑G</div></div>
			1400	35.6	49.8	8331	167	<div><div>D</div><div>A↑G</div></div>



# LightMAX

2x6 power LED module | R0498

## Mechanical drawing



## Accessories



## Lenses

Part number	Beam angle
LL04CR-AU45135L46 (Type II-Short)	45° x 135°
LL04CR-BXJ80150L02 (Type II-Short)	80° x 150°
LL04CR-BXJ45155L02 (Type III-Short)	45° x 155°
LL04CR-BXJ95165L19 (Type II-Medium)	95° x 165°
LL04CR-BXJ65165L52 (Type IV-Medium)	65° x 165°
LL04CR-BXJ60L02 (Type V-Short)	60°
LL04CR-BXJ90L02 (Type V-Short)	90°
LL04CR-CXR25L52	25°
LL04CR-CXR40L52	40°
LL04CR-CXR60L52	60°
LL04CR-CXR165L52	165°
LL04LU-CXR2060L06	20° x 60°
LL04CR-DBJ2090L19	20° x 90°

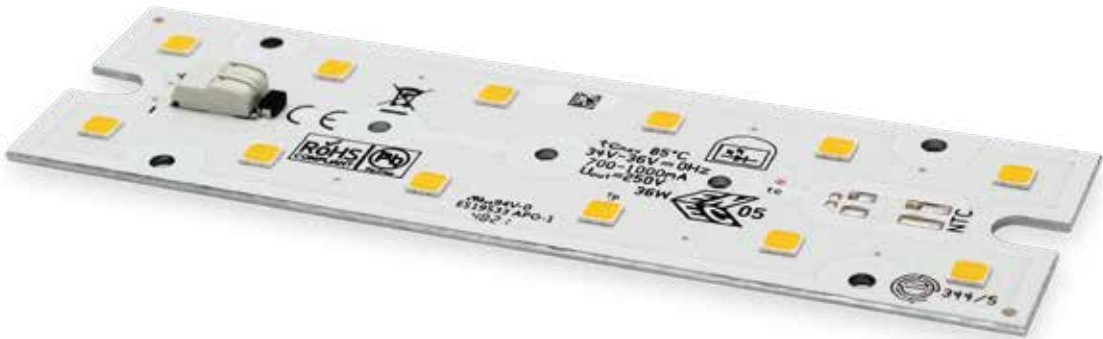
## Thermal Interface

Part number	Dimension (mm)	Thickness (mm)	Th.conductivity (W/mK)	Th.impedance (K-inch <sup>2</sup> /W)	Breakdown voltage (Vac)	Flame rating (UL94)
IRE-PAD-170X50	170x50	0,23	1,5	0,45	>6000	V0

# LightMAX

2x6 power LED module | R0344

DATASHEET



## Features

- PCB dimension: 147x45mm;
- Up to 6250 lm;
- Up to 190 lm/W;
- CRI 70;
- Max Electrical Insulation 250V;
- Max 6 LED boards in series;
- Connection type: Wago 4mm 2 pole;
- Lifetime > 100.000h @ 700mA< if < 1050mA L90B10;
- NTC available on request;
- Suitable for RED Relamping Kit;
- 3535 version available (code: R0168).

## Applications



Street



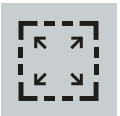
Industrial



Downlight



High Bay



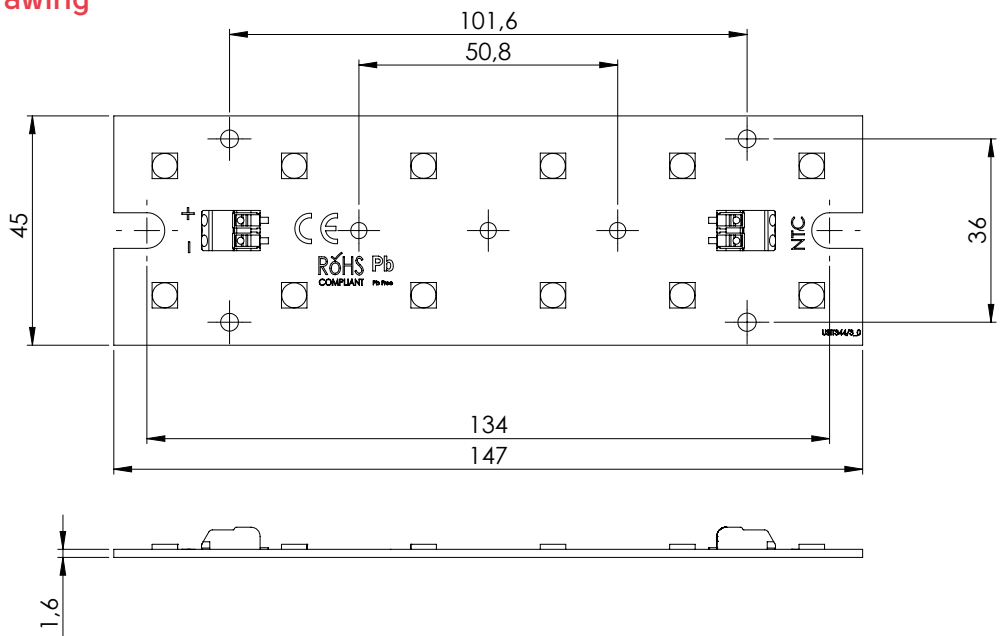
Area

Code	CCT	CRI	Current [mA]	Voltage [V]	Power [W]	Total Lumen [lm]	lm/W	Energy Efficiency
R0344012770	2700K	70	700	33,5	23,5	4150	175	<div><div>C</div><div>A ↑ G</div></div>
			1000	34,7	34,7	5760	166	<div><div>D</div><div>A ↑ G</div></div>
R0344013070	3000K		700	33,5	23,5	4300	182	<div><div>C</div><div>A ↑ G</div></div>
			1000	34,7	34,7	5965	172	<div><div>D</div><div>A ↑ G</div></div>
R0344014070	4000K		700	33,5	23,5	4470	190	<div><div>C</div><div>A ↑ G</div></div>
			1000	34,7	34,5	6250	180	<div><div>C</div><div>A ↑ G</div></div>
R0344015070	5000K		700	33,5	23,5	4470	190	<div><div>C</div><div>A ↑ G</div></div>
			1000	34,7	34,5	6250	180	<div><div>C</div><div>A ↑ G</div></div>

# LightMAX

2x6 power LED module | R0344

Mechanical drawing



Accessories



Lenses	
Part number	Beam angle
LL12CR-CUQ30L19 + Gasket	30°
LL12CR-CUQ60L19 + Gasket	60°
LL12CR-CUQ90L19 + Gasket	90°
LL12CR-CUQ150L19 + Gasket	150°
LL12CR-CUQ60145L19 + Gasket (Type II-Short)	60° x 145°
LL12CR-CUQ70140L19 + Gasket (Type II-Short)	70° x 140°
LL12LU-CUQ15050L19 + Gasket (Type II-Short)	150° x 50°
LL12CR-CUQ85155L19 + Gasket (Type III-Medium)	85° x 155°
LL12CR-CUQ15155L19 + Gasket (Type IV-Short)	15° x 155°

Thermal Interface						
Part number	Dimension (mm)	Thickness (mm)	Th.conductivity (W/mK)	Th.impedance (K-inch <sup>2</sup> /W)	Breakdown voltage (Vac)	Flame rating (UL94)
IRE-PAD-147X45	147X45	0,23	1,5	0,45	>6000	V0
Heat sink			Power supply			
Dimension (LxWxH)	Material	Thermal wattage	Dimension (LxWxH)	Protection type	Output	Input
200x70x40mm	Anodized aluminium	70W	131x68x33,5mm (body) 158x68x33,5mm (endcaps included)	IP67 Class 2	<75W	90-305Vac

# LightMAX

2x4 power LED module | R0485

DATASHEET



## Features

- PCB dimension: 120x50mm;
- Up to 5554 lm;
- Up to 189 lm/W, up to 205 lm/W @ 350mA;
- CRI 70;
- Max Electrical Insulation 250V;
- Max 10 LED boards in series;
- Connection type: Wago 2060 series 1 pole;
- Lifetime > 100.000h @ 700mA< if < 1050mA L90B10;
- NTC available on request (10k standard).

## Applications



Street



Industrial



Downlight



High Bay



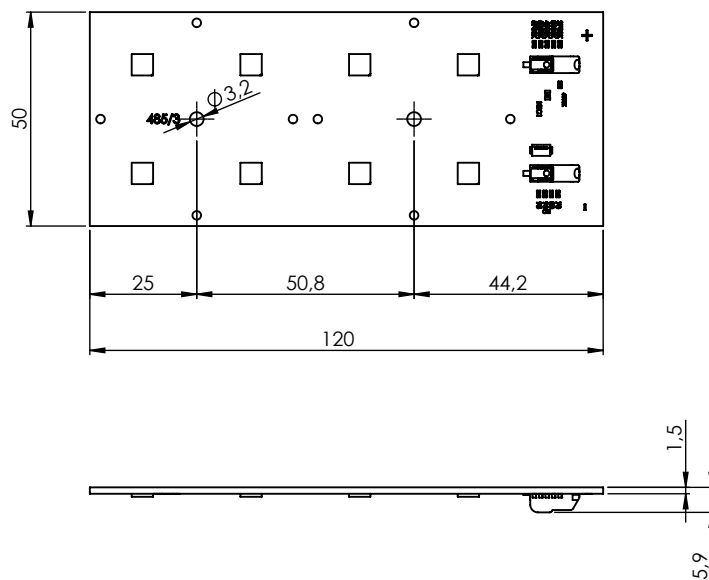
Area

Code	CCT	CRI	Current [mA]	Voltage [V]	Power [W]	Total Lumen [lm]	lm/W	Energy Efficiency
R0485012770	2700K	70	700	22.5	15.7	2767	176	<div><div>C</div><div>A↑G</div></div>
			1000	23.1	23.1	3848	167	<div><div>D</div><div>A↑G</div></div>
			1400	23.8	33.3	5184	156	<div><div>D</div><div>A↑G</div></div>
R0485013070	3000K		700	22.5	15.7	2875	183	<div><div>C</div><div>A↑G</div></div>
			1000	23.1	23.1	3993	173	<div><div>D</div><div>A↑G</div></div>
			1400	23.8	33.3	5386	162	<div><div>D</div><div>A↑G</div></div>
R0485014070	4000K		700	22.5	15.7	2965	189	<div><div>C</div><div>A↑G</div></div>
			1000	23.1	23.1	4118	178	<div><div>C</div><div>A↑G</div></div>
			1400	23.8	33.3	5554	167	<div><div>D</div><div>A↑G</div></div>
R04850115070	5000K		700	22.5	15.7	2965	189	<div><div>C</div><div>A↑G</div></div>
			1000	23.1	23.1	4118	178	<div><div>C</div><div>A↑G</div></div>
			1400	23.8	33.3	5554	167	<div><div>D</div><div>A↑G</div></div>

# LightMAX

2x4 power LED module | R0485

## Mechanical drawing



## Accessories



### Lenses

Part number	Beam angle
LL04CR-AU45135L46 (Type II-Short)	45° x 135°
LL04CR-BXJ80150L02 (Type II-Short)	80° x 150°
LL04CR-BXJ45155L02 (Type III-Short)	45° x 155°
LL04CR-BXJ95165L19 (Type II-Medium)	95° x 165°
LL04CR-BXJ65165L52 (Type IV-Medium)	65° x 165°
LL04CR-BXJ60L02 (Type V-Short)	60°
LL04CR-BXJ90L02 (Type V-Short)	90°
LL04CR-CXR25L52	25°
LL04CR-CXR40L52	40°
LL04CR-CXR60L52	60°
LL04CR-CXR165L52	165°
LL04LU-CXR2060L06	20° x 60°
LL04CR-DBJ2090L19	20° x 90°

### Thermal Interface

Part number	Dimension (mm)	Thickness (mm)	Th.conductivity (W/mK)	Th.impedance (K-inch <sup>2</sup> /W)	Breakdown voltage (Vac)	Flame rating (UL94)
IRE-PAD-120X50	120X50	0,23	1,5	0,45	>6000	V0

# LightMAX

2x2 power LED module | R0308

DATASHEET



## Features

- PCB dimension: 70x50mm;
- Up to 1836 lm;
- Up to 171 lm/W;
- CRI 70;
- Max Electrical Insulation 250V;
- Max 20 LED boards in series;
- Connection type: S-Poke 4mm 2 poles;
- Lifetime >60000h @ 700mA.

## Applications



Street



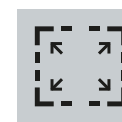
Industrial



Downlight



High Bay



Area

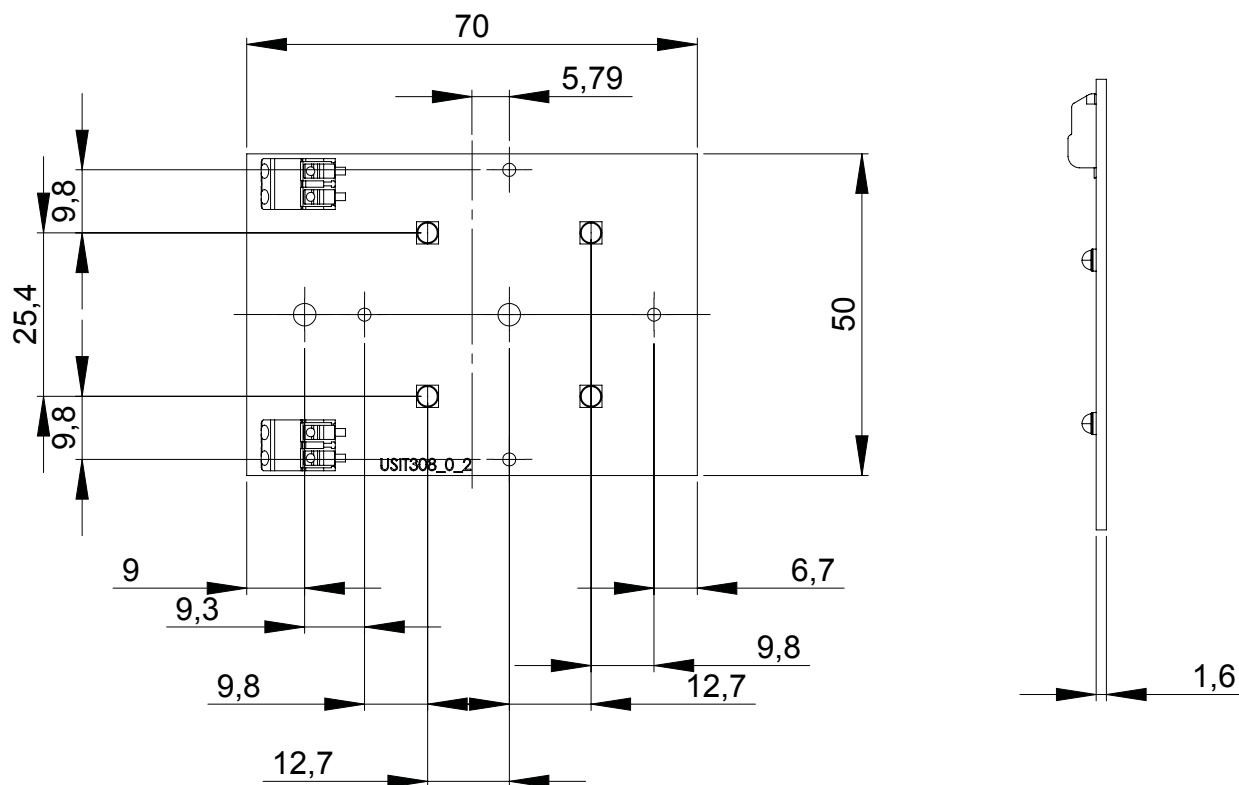
Code	CCT	CRI	Current [mA]	Voltage [V]	Power [W]	Total Lumen [lm]	lm/W	Energy Efficiency
R0308002770	2700K	70	700	11,45	8	1300	162	<div><div>D</div><div>A ↑ G</div></div>
			1050	11,95	12,55	1744	139	<div><div>E</div><div>A ↑ G</div></div>
R0308003070	3000K		700	11,45	8	1300	162	<div><div>D</div><div>A ↑ G</div></div>
			1050	11,95	12,55	1744	139	<div><div>E</div><div>A ↑ G</div></div>
R0308004070	4000K		700	11,45	8	1368	171	<div><div>D</div><div>A ↑ G</div></div>
			1050	11,95	12,55	1836	146	<div><div>D</div><div>A ↑ G</div></div>
R0308005070	5000K		700	11,45	8	1368	171	<div><div>D</div><div>A ↑ G</div></div>
			1050	11,95	12,55	1836	146	<div><div>D</div><div>A ↑ G</div></div>



# LightMAX

2x2 power LED module | R0308

## Mechanical drawing



## Accessories



### Lenses

Part number	Beam angle
LL04CR-BXJ80150L02 (Type II-Short)	80° x 150°
LL04CR-BXJ45155L02 (Type III-Short)	45° x 155°
LL04CR-BXJ60L02 (Type V-Short)	60°
LL04CR-BXJ90L02 (Type V-Short)	90°
LL04CR-CEC09L06	9°
LL04CR-CEC25L06	25°
LL04CR-CEC50L06	50°
LL04CR-CFN35155L02 (Type II-Medium)	35° x 155°
LL04CR-CFN60155L02 (Type III-Medium)	60° x 155°
LL04CR-CGM85135L02 (Type I-Short)	85° x 135°
LL04CR-CXE165L19 (Type V-Medium)	165°

# LightMAX

2x2 power LED module | R0404

DATASHEET



## Features

- PCB dimension: 53x53mm;
- Up to 2777 lm;
- Up to 190 lm/W, up to 205 lm/W @ 350mA;
- CRI 70;
- CV version available on request;
- Max Electrical Insulation 300V;
- Max 20 LED boards in series in S2P2;
- Connection type: Wago 2060 2 Pole;
- Lifetime > 100.000h @ 700mA<I<1050mA L90B10;
- CC Version – S4PI available on request.

## Applications



Street



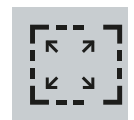
Industrial



Downlight



High Bay



Area

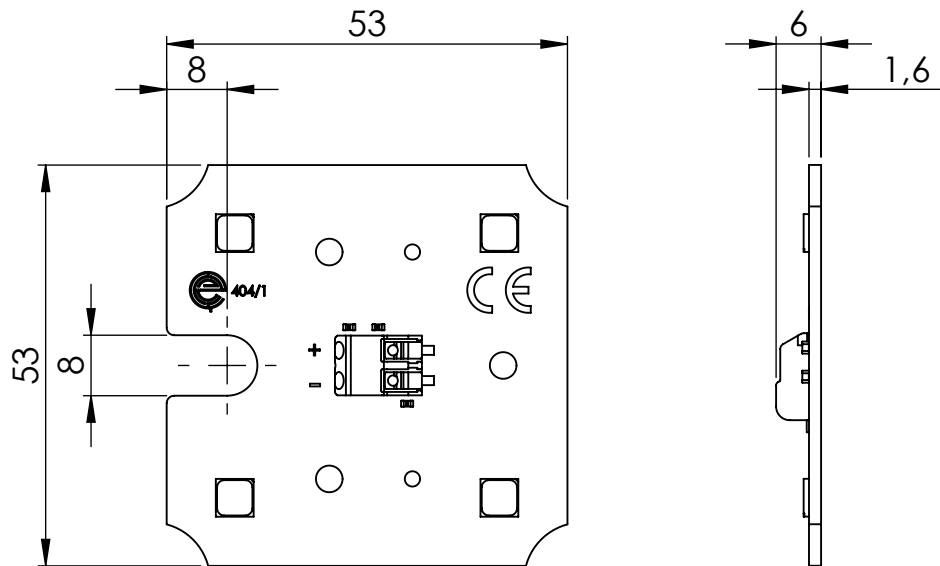
Code	CCT	CRI	Current [mA]	Voltage [V]	Power [W]	Total Lumen [lm]	lm/W	Energy Efficiency
R0404002770	2700K	70	700	11,2	7,8	1384	177	<div><div></div><div>C</div><div>A ↑ G</div></div>
			1000	11,5	11,5	1917	167	<div><div></div><div>D</div><div>A ↑ G</div></div>
			1400	11,9	16,6	2592	156	<div><div></div><div>D</div><div>A ↑ G</div></div>
R0404003070	3000K		700	11,2	7,8	1438	184	<div><div></div><div>C</div><div>A ↑ G</div></div>
			1000	11,5	11,5	1991	173	<div><div></div><div>C</div><div>A ↑ G</div></div>
			1400	11,9	16,6	2693	162	<div><div></div><div>D</div><div>A ↑ G</div></div>
R0404004070	4000K		700	11,2	7,8	1482	190	<div><div></div><div>C</div><div>A ↑ G</div></div>
			1000	11,5	11,5	2034	177	<div><div></div><div>C</div><div>A ↑ G</div></div>
			1400	11,9	16,6	2777	167	<div><div></div><div>D</div><div>A ↑ G</div></div>
R0404005070	5000K		700	11,2	7,8	1482	190	<div><div></div><div>C</div><div>A ↑ G</div></div>
			1000	11,5	11,5	2034	177	<div><div></div><div>C</div><div>A ↑ G</div></div>
			1400	11,9	16,6	2777	167	<div><div></div><div>D</div><div>A ↑ G</div></div>



# LightMAX

2x2 power LED module | R0404

Mechanical drawing



Accessories



Lenses	
Part number	Beam angle
LL04ZZ-WAU35140L52 + Gasket	35° x 140°
LL04ZZ-WAU25L52 + Gasket	25°
LL04ZZ-WAU60L52 + Gasket	60°
LL04ZZ-WAU90L52 + Gasket	90°
LL04ZZ-WAU150L52 + Gasket	150°

Thermal Interface						
Part number	Dimension (mm)	Thickness (mm)	Th.conductivity (W/mK)	Th.impedance (K-inch <sup>2</sup> /W)	Breakdown voltage (Vac)	Flame rating (UL94)
IRE-PAD-53X53	53X53	0,23	1,5	0,45	>6000	V0
Heat sink			Power supply			
Dimension (LxWxH)	Material	Thermal wattage	Dimension (LxWxH)	Protection type	Output	Input
66x65,5x40mm	Black anodized aluminum	20W	50x50x25mm	IP67 Optional surge protection	10-17Vdc 700mA	220-240VAC

# LightMAX

2x2 power LED module | R0703

DATASHEET



## Features

- PCB dimension: 50x65mm;
- Up to 2167 lm;
- Up to 186 lm/W;
- CRI 70;
- Max Electrical Insulation 250V;
- Max 20 LED boards in series;
- Connection type: Wago 2060 series 1 pole;
- Lifetime > 100.000h @ 700mA<math><1050\text{mA}</math> L90B10.

## Applications



Street



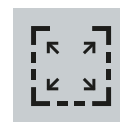
Industrial



Downlight



High Bay



Area

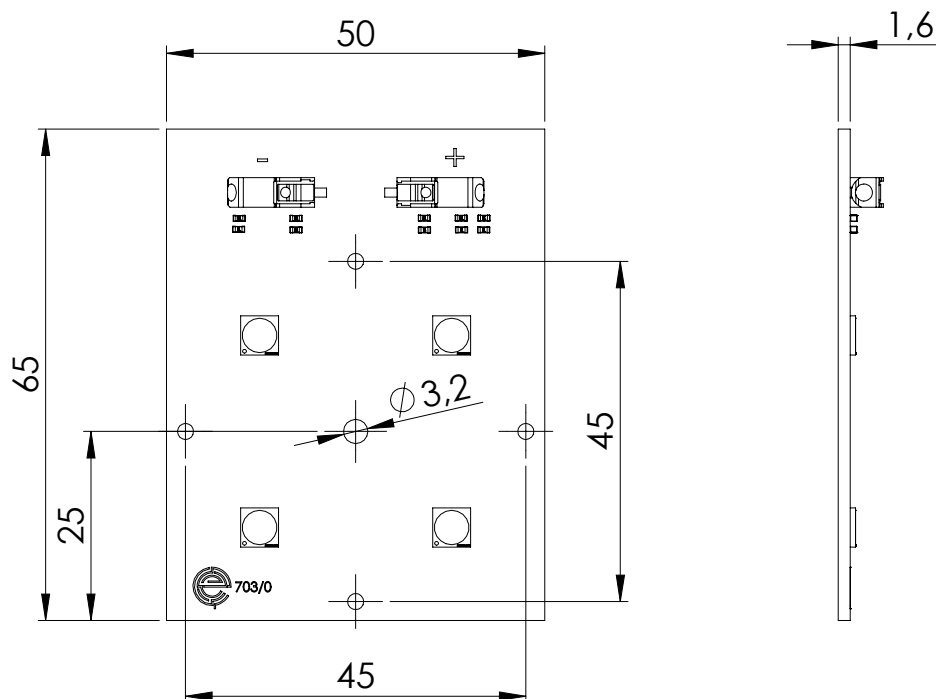
Code	CCT	CRI	Current [mA]	Voltage [V]	Power [W]	Total Lumen [lm]	lm/W	Energy Efficiency
R0703012770	2700K	70	700	11	8	1399	167	<div><div>C</div><div>A↑G</div></div>
			1000	12	12	1942	162	<div><div>D</div><div>A↑G</div></div>
R0703013070	3000K		700	11	8	1444	172	<div><div>C</div><div>A↑G</div></div>
			1000	12	12	2006	167	<div><div>D</div><div>A↑G</div></div>
R0703014070	4000K		700	11	8	1560	186	<div><div>C</div><div>A↑G</div></div>
			1000	12	12	2167	181	<div><div>E</div><div>A↑G</div></div>
R0703015070	5000K		700	11	8	1554	185	<div><div>C</div><div>A↑G</div></div>
			1000	12	12	2157	180	<div><div>C</div><div>A↑G</div></div>



# LightMAX

2x2 power LED module | R0703

## Mechanical drawing



## Accessories



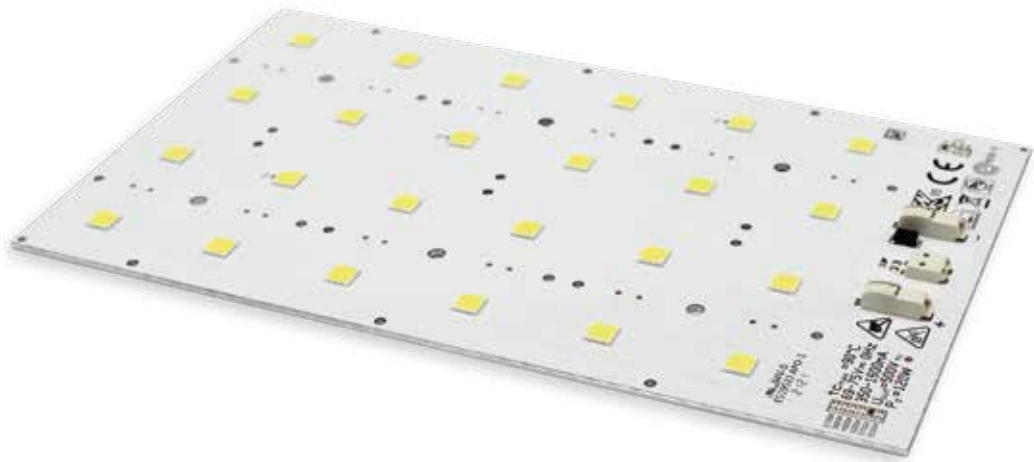
### Lenses

Part number	Beam angle
LL04CR-BXJ80150L02 (Type II-Short)	80° x 150°
LL04CR-BXJ45155L02 (Type III-Short)	45° x 155°
LL04CR-BXJ95165L19 (Type II-Medium)	95° x 165°
LL04CR-BXJ65165L52 (Type IV-Medium)	65° x 165°
LL04CR-BXJ60L02 (Type V-Short)	60°
LL04CR-BXJ90L02 (Type V-Short)	90°
LL04CR-CXR25L52	25°
LL04CR-CXR40L52	40°
LL04CR-CXR60L52	60°
LL04CR-CXR165L52	165°
LL04LU-CXR2060L06	20° x 60°
LL04CR-DBJ2090L19	20° x 90°

# LightMAX

Dual Zhaga 24 power LED module | R0839

DATASHEET



## Features

- PCB dimension: 172x100mm;
- Up to 13557 lm;
- Up to 204 lm/W;
- CRI 70;
- Max Electrical Insulation 500V;
- Max 6 LED boards in series;
- Connection type: Wago 2060 2060-451/998-404, Wago 2059-302/998-403 NTC;
- Lifetime > 100.000h @ 700mA<math>I\_{f}</math>1050mA L90B10;
- NTC available on request.

## Applications



Street



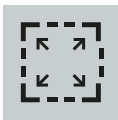
Industrial



Downlight

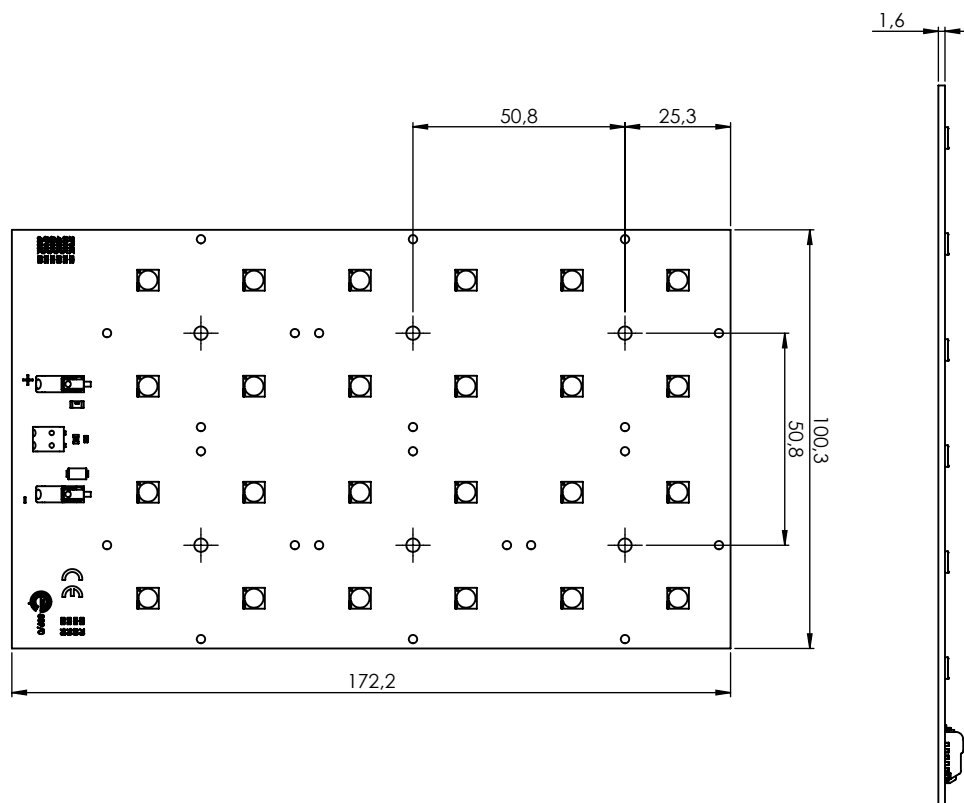


High Bay



Area

Code	CCT	CRI	Current [mA]	Voltage [V]	Power [W]	Total Lumen [lm]	lm/W	Energy Efficiency
R0839013070	3000K	70	350	65,9	23	4706	204	B
			500	69,9	34,9	6250	179	C
			700	72	50,4	9475	188	C
			1000	74,9	74,9	13183	176	C
R0839014070	4000K		350	65,9	23	4706	204	B
			500	69,9	34,9	6250	179	C
			700	72	50,4	9375	186	C
			1000	74,9	74,9	13557	181	C
R0839015770	5700K		350	68,1	23,9	4782	200	B
			500	69,9	34,9	6492	186	C
			700	72	50,4	9123	181	C
			1000	74,9	74,9	12140	162	D



## Lenses

Part number	Beam angle
LL04CR-BXJ80150L02 (Type II-Short)	80° x 150°
LL04CR-BXJ45155L02 (Type III-Short)	45° x 155°
LL04CR-BXJ95165L19 (Type II-Medium)	95° x 165°
LL04CR-BXJ65165L52 (Type IV-Medium)	65° x 165°
LL04CR-BXJ60L02 (Type V-Short)	60°
LL04CR-BXJ90L02 (Type V-Short)	90°
LL04CR-CXR25L52	25°
LL04CR-CXR40L52	40°
LL04CR-CXR60L52	60°
LL04CR-CXR165L52	165°
LL04LU-CXR2060L06	20° x 60°
LL04CR-DBJ2090L19	20° x 90°

# LightMAX

32 power LED module | R0349

DATASHEET



## Features

- PCB dimension: 164x151mm;
- Up to 16700 lm;
- Up to 188 lm/W;
- CRI 70;
- Max Electrical Insulation 250V;
- Max 2 LED boards in series;
- Connection type: S-Poke 4mm 2 pole;
- Lifetime > 100.000h @ 700mA<math><1050\text{mA}</math> L90B10.

## Applications



Street



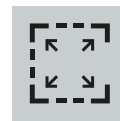
Industrial



Downlight



High Bay



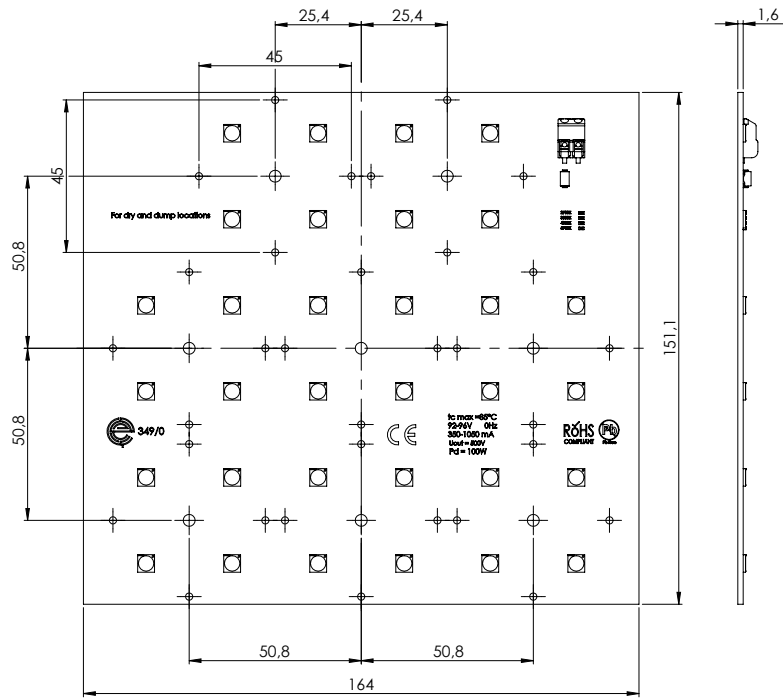
Area

Code	CCT	CRI	Current [mA]	Voltage [V]	Power [W]	Total Lumen [lm]	lm/W	Energy Efficiency	
R0349012770	2700K	70	700	91,52	64,06	11097	173	<div><div>C</div><div>A ↑ G</div></div>	
			1000	94,72	94,72	15410	163	<div><div>D</div><div>A ↑ G</div></div>	
R0349013070	3000K		700	91,52	64,06	11467	179	<div><div>C</div><div>A ↑ G</div></div>	
			1000	94,72	94,72	15923	168	<div><div>D</div><div>A ↑ G</div></div>	
R0349014070	4000K		700	91,52	64,06	12022	188	<div><div>C</div><div>A ↑ G</div></div>	
			1000	94,72	94,72	16700	176	<div><div>C</div><div>A ↑ G</div></div>	
R0349015070	5000K		700	91,52	64,06	12022	188	<div><div>C</div><div>A ↑ G</div></div>	
			1000	94,72	94,72	16700	176	<div><div>C</div><div>A ↑ G</div></div>	

# LightMAX

32 power LED module | R0349

## Mechanical drawing



## Accessories



### Lenses

Part number	Beam angle
LL04CR-AU45135L46 (Type II-Short)	45° x 135°
LL04CR-BXJ80150L02 (Type II-Short)	80° x 150°
LL04CR-BXJ45155L02 (Type III-Short)	45° x 155°
LL04CR-BXJ95165L19 (Type II-Medium)	95° x 165°
LL04CR-BXJ95165Lxx (Type II-Medium)	95° x 165°
LL04CR-BXJ65165L52 (Type IV-Medium)	65° x 165°
LL04CR-BXJ60L02 (Type V-Short)	60°
LL04CR-BXJ90L02 (Type V-Short)	90°
LL04CR-CXR25L52	25°
LL04CR-CXR40L52	40°
LL04CR-CXR60L52	60°
LL04CR-CXR60L52	165°
LL04LU-CXR2060L06	20° x 60°
LL04CR-DBJ2090L19	20° x 90°

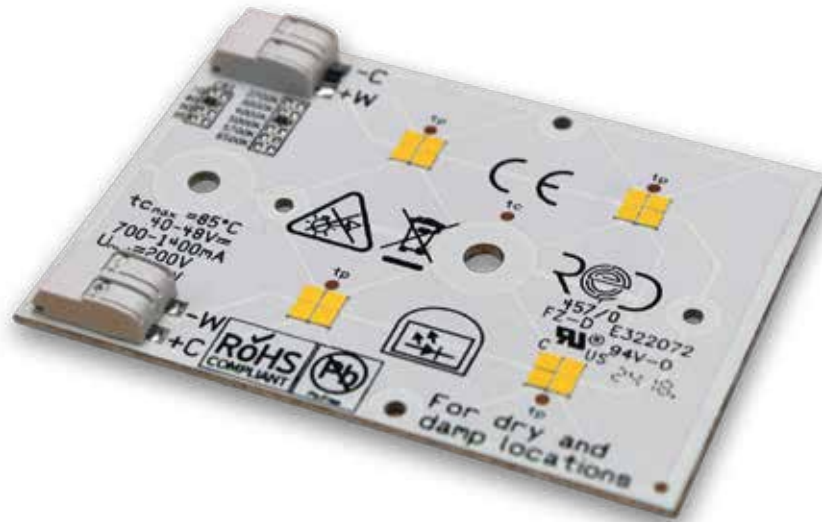
### Thermal Interface

Part number	Dimension (mm)	Thickness (mm)	Th.conductivity (W/mK)	Th.impedance (K-inch <sup>2</sup> /W)	Breakdown voltage (Vac)	Flame rating (UL94)
IRE-PAD-164X151	164X151	0,23	1,5	0,45	>6000	V0

# LightMAX

16 white power LED module, cluster 4 | R0457

DATASHEET



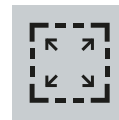
## Features

- 16 DMC LEDs;
- 2x8 Tunable White version available on request;
- PCB dimension: 70x50mm;
- Up to 4600 lm;
- Up to 160 lm/W;
- CRI 70, 80, 90;
- Max Electrical Insulation 200V;
- Max 4 LED boards in series;
- Connection type: Wago 2060 series 2 pole;
- Lifetime >60000h @ 700mA.

## Applications



Industrial



Area



Downlight



High Bay

Code	CCT	CRI	Current [mA]	Voltage [V]	Power [W]	Total Lumen [lm]	lm/W	Energy Efficiency
R0457014080	4000K	80	350	47	16	2540	160	
			700	48	33,6	4600	136	

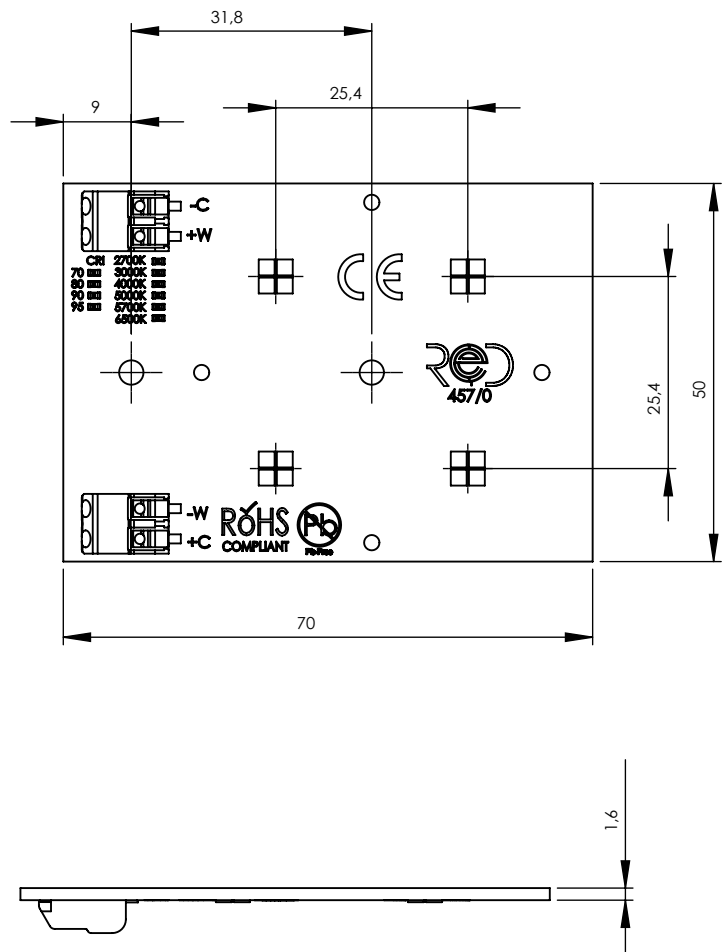




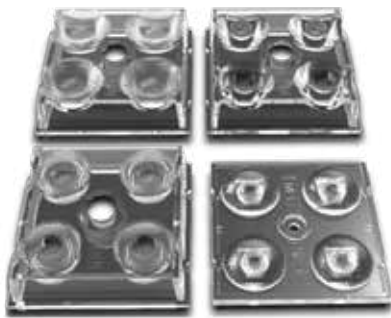
# LightMAX

16 white power LED module, cluster 4 | R0457

## Mechanical drawing



## Accessories



Lenses	
Part number	Beam angle
LL04CR-CXR25L52	25°
LL04CR-CXR40L52	40°
LL04CR-CXR60L52	60°
LL04CR-CXR165L52	165°
LL04LU-CXR2060L06	20° x 60

# LightMAX

CONSULTA EL RESTO DE LA GAMA



R0241

*2x4 power LED module*

DATASHEET



R0168

*2x6 power LED module*

DATASHEET

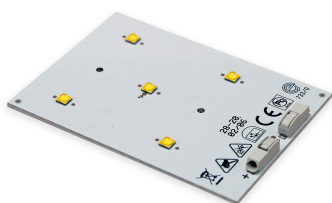


R0444

*2x8 power LED module*

*Osram Oslon Square LEDs*

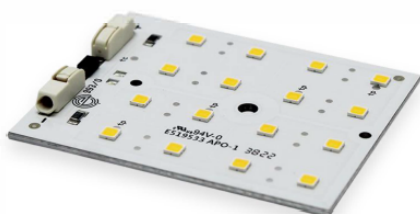
DATASHEET



R0733

*5 power LED module*

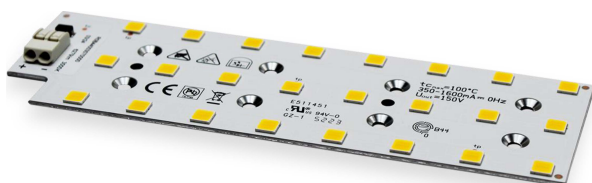
DATASHEET



R0993

*16 LED module for flood lighting*

DATASHEET



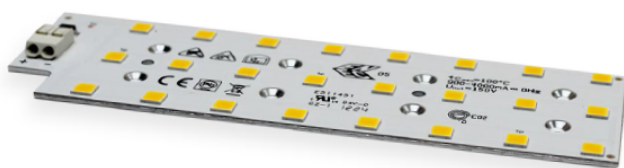
R0B44

*24 power LED module*

DATASHEET

# LightMAX

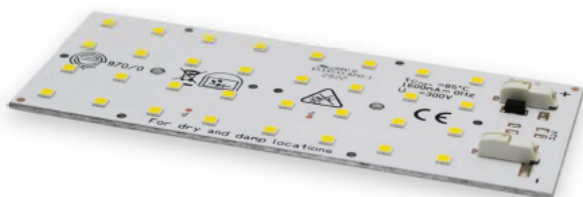
CONSULTA EL RESTO DE LA GAMA



R0C02

*24 power LED module*

DATASHEET



R0970

*32 LED module for flood lighting*

DATASHEET



R0372

*40 power LED module*

DATASHEET



R0230

*48 mid-power LED module*

DATASHEET



R0947

*64 LED module for flood lighting*

DATASHEET